

添付資料 6-9：各校の機材リスト

## Sheet-01

**LIST OF MACHINERY, GCT SAHIWAL MECHANICAL DEPARTMENT**

| Sr.No                       | Name of Machinery   | Specification   | Existing Equipment | Status of Existing Equipment |             | Manufactory's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (If any) |
|-----------------------------|---|---|--------------------|------------------------------|-------------|----------------------------|--------------------|---|------------------|
|                             |   |   |                    | Working                      | Not Working |                            |                    |   |                  |
| <b>Metal Work</b>           |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | Pedestal Tool Grinder   | Grinstone diameter 205mm or more  | 1                  | Yes                          |             | CHINA                      | 1975               | 1                                       |                  |
| 2                           | Power Hacksaw   | Max Cutting capacity:<br>1) 90°= 125mm(round),<br>128*150mm(square)<br>2) 45°= 95mm(round),<br>75*95mm(square)      | 1                  | Yes                          |             | AL-Hilal                   | 1975               | 1                                       |                  |
| 3                           | Drill Machine   | Drilling Capacity in Steel = 21 mm more   | 1                  | Yes                          |             | AL-Hilal                   | 1975               | 1                                       |                  |
| <b>Material Testing Lab</b> |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | Universal Polishing Machine   |   | 1                  | Yes                          |             |                            | 1975               | 1                                       |                  |
| 2                           | Torsion Testing Machine   |   | 0                  |                              |             |                            |                    | 1                                       |                  |
| 3                           | Fatigue Testing Machine   |   | 0                  |                              |             |                            |                    | 1                                       |                  |
| 4                           | Thermocouple  | Sensor type Glass<br>Mesurement range -30 to +50°C or Wide  | 0                  |                              |             |                            |                    | 1                                       |                  |
| 5                           | Ultrasonic Flaw Testing Equipment                                   | Test Renge 2.5-10,000mm or more   | 0                  |                              |             |                            |                    | 1                                       |                  |
| 6                           | Read Out Microscope   |   | 0                  |                              |             |                            |                    | 1                                       |                  |
| 7                           | Magnetic Particle Testing Equipment                                 | Magnetizing power 2400AT or more<br>Magnetic flux 0.8mWb or more  | 0                  |                              |             |                            |                    | 1                                       |                  |
| <b>Advance Machine Shop</b> |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | Pedestal Tool Grinder   | Grinstone diameter 205mm or more  | 3                  | Yes                          |             | CHINA                      | 1975               | 1                                       |                  |
| 2                           | Surface Grinder with Equipment                                      | Maximum Grinding Capability (LxWxH)= 1000 x 400 x 100 mm or more  | 1                  | Yes                          |             | PECO                       | 1976               | 1                                       |                  |
| 3                           | Vertical Milling with Equipment                                     | Table size 950mm×210mm or more  | 1                  | Yes                          |             | MAKINO                     | 1976               | 1                                       |                  |
| 4                           | Universal Horizontal Milling with Equipment                         | Table size 1200mm×320mm or more   | 1                  | Yes                          |             | MAKINO                     | 1976               | 3                                       |                  |
| 5                           | Vertical Differential Hobbing Machine with all Standard Accessories | Hob maximum diameter= 120 mm or more  | 0                  |                              |             |                            |                    | 1                                       |                  |
| <b>CNC LAB</b>              |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | CNC Vertical Machining Center                                       | -CNC Vertical Machining Center<br>X-axis-travel= 500 mm<br>Y-axis-travel= 400 mm<br>Z-axis-travel= 330 mm           | 0                  |                              |             |                            |                    | 1                                       |                  |
| 2                           | CNC Turning Center  | -CNC Vertical Machining Center<br>X-axis-travel= 650 mm<br>Y-axis-travel= 400 mm<br>Z-axis-travel= 500 mm           | 0                  |                              |             |                            |                    | 1                                       |                  |
| 3                           | Metal Cutting Band Saw  |   | 0                  |                              |             |                            |                    | 1                                       |                  |
| <b>CAD-CAM Lab</b>          |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | 3D-CAD Software (Auto-Desk Inventor, Delcam)                        | Latest version  | 0                  |                              |             |                            |                    | 50                                      |                  |
| 2                           | 3D CAM Software for G-Codes   | Latest version  | 0                  |                              |             |                            |                    | 50                                      |                  |
| 3                           | Simulation Software for G Codes                                     | Latest version  | 0                  |                              |             |                            |                    | 50                                      |                  |
| 4                           | Server system   | CPU Xcon E3-1220V5(3.0Ghz)<br>RAM 16GB  | 0                  |                              |             |                            |                    | 1set                                    |                  |
| 5                           | Computers (i7)  | CPU core:i7 6700(3.4GHZ)<br>RAM 16GB  | 0                  |                              |             |                            |                    | 50                                      |                  |
| <b>Computer Lab</b>         |   |   |                    |                              |             |                            |                    |   |                  |
| 1                           | Multi Media Projector   | Light Output (Lumens)= 3100 or more<br>Resolution= 1024 x 768 pixels or more<br>Screen size= 0.76 to 7.6 m or wider | 0                  |                              |             |                            |                    | 1set                                    |                  |

| <b>Welding Shop</b>       |  |   |    |     |     |                                    |      |   |  |
|---------------------------|--|---|----|-----|-----|------------------------------------|------|---|--|
| 1                         | AC Arc Welding Single Phase                                      | Power rated input= 14.4 kW or more  | 2  | Yes |     |                                    | 1974 | 1 |  |
| 2                         | TIG Machine  | Power rated input= 11.1 KVA<br>Rated Utilization= 40 %                                  | 0  |     |     |                                    |      | 1 |  |
| 3                         | MIG Welder   | Power rated input= 16 kW<br>Rated Utilization= 60 %                                     | 0  |     |     |                                    |      | 1 |  |
| 4                         | Plasma Cutting Machine   | Rated Utilization = 60 %<br>Out put Current= 60 A                                       | 0  |     |     |                                    |      | 1 |  |
| 5                         | Spot welding machine   | Input Capacity= 15 KVA or more  | 0  |     |     |                                    |      | 1 |  |
| 6                         | <b>Air Compressor</b>  | Air tank 65 liters or more  | 0  |     |     |                                    |      | 1 |  |
| <b>Foundry Shop</b>       |  |   |    |     |     |                                    |      |   |  |
| 1                         | Core Baking oven   | Temperature range= 100 to 1100 °C or wider  | 0  |     |     |                                    |      | 1 |  |
| 2                         | Gas Fired Tilting Crucible Furnace                               | Type= Muffle furnace<br>Max. temperature= 1200 °C or more<br>Capacity= 5 liters or more | 0  |     |     |                                    |      | 1 |  |
| 3                         | Sand Blasting Machine  |   | 0  |     |     |                                    |      | 1 |  |
| 4                         | Sand Strength Testing Machine                                    |   | 0  |     |     |                                    |      | 1 |  |
| 5                         | Sand Fineness Testing Machine                                    |   | 0  |     |     |                                    |      | 1 |  |
| 6                         | Gas Fired Crucible Pit Furnace                                   |   | 1  | Yes |     | LOCAL                              |      | 1 |  |
| 7                         | Squeezing and Jolting Machine                                    |   | 0  |     |     |                                    |      | 1 |  |
| 8                         | Tilting Furnace  |   | 0  |     |     |                                    |      | 1 |  |
| <b>Basic Machine Shop</b> |  |   |    |     |     |                                    |      |   |  |
| 1                         | Lathe Machine  | Width of Bed= 187 mm or more  | 20 | Yes |     | PECO                               | 1978 | 3 |  |
| 2                         | Pedestal Tool Grinder China                                      | Grinstone diameter 205mm or more  | 1  | Yes |     | CHINA                              | 1976 | 1 |  |
| 3                         | Pillar Drill Machine   | Drilling capacity in S45C= φ4-19 mm or wider  | 1  | Yes |     | PECO                               | 1978 | 1 |  |
| 4                         | Shaper Machine   |   | 1  | Yes |     | AL-Hilal                           | 1974 | 1 |  |
| 5                         | Wet Grinder with Accessories                                     | Grinstone diameter 205mm or more  | 0  |     |     |                                    |      | 1 |  |
| 6                         | Vertical Shaper Machine  |   | 0  |     |     |                                    |      | 1 |  |
| <b>Metrology Lab</b>      |  |   |    |     |     |                                    |      |   |  |
| 1                         | Cast Iron Surface Plate  | 500mm × 500mm   | 0  |     |     |                                    |      | 2 |  |
| 2                         | Glass Surface Plate  | 500mm × 500mm   | 0  |     |     |                                    |      | 1 |  |
| <b>Hydraulic Lab</b>      |  |   |    |     |     |                                    |      |   |  |
| 1                         | Fluid Friction in Pipes with hydraulic Bench with Accessories    |   | 3  |     | Yes | Arm Field Engineering Ltd. England | 1975 | 1 |  |
| 2                         | Hydraulic Control Equipment Set with Complete System             |   | 0  |     |     |                                    |      | 1 |  |
| 3                         | Pneumatic Control Equipment Set                                  |   | 0  |     |     |                                    |      | 1 |  |
| <b>Heat Engine Lab</b>    |  |   |    |     |     |                                    |      |   |  |
| 1                         | Reciprocating Air Compressor                                     |   | 0  |     |     |                                    |      | 1 |  |
| 2                         | Rotary Air Compressor  | Air tank 65 liters or more  | 0  |     |     |                                    |      | 1 |  |
| 3                         | Ignition Point Testing Machine                                   |   | 0  |     |     |                                    |      | 1 |  |
| 4                         | Air Compressor Testing Machine                                   |   | 0  |     |     |                                    |      | 1 |  |
| 5                         | Vapor Compression Refrigeration System with Complete Accessories |   | 0  |     |     |                                    |      | 1 |  |
| 6                         | Working Model of Gas Turbine (Impulse and Reaction)              |   | 0  |     |     |                                    |      | 1 |  |
| <b>Wood Workshop</b>      |  |   |    |     |     |                                    |      |   |  |
| 1                         | Jig Saw  |   | 1  | Yes |     | Al-Hilal                           | 1974 | 1 |  |
| 2                         | Wood Turning Lathe   |   | 2  | Yes |     | Al-Hilal                           | 1974 | 2 |  |
| 3                         | Pedestal Grinder   | Grinstone diameter 205mm or more  | 1  | Yes |     | PECO                               | 1974 | 1 |  |
| 4                         | Drilling Machine   | Drilling Capacity in Steel = 13 mm  | 1  | Yes |     | Al-Hilal                           | 1974 | 1 |  |

**LIST OF MACHINERY , GCT, GUJRANWALA MECHANICAL DEPERTMENT**

| Sr.#.   | Name of Machinery   | Existing Equipment | Status of Existing Equipment |            | Manufactory's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any) |
|---|---|--------------------|------------------------------|------------|----------------------------|--------------------|---|------------------|
|   |   |                    | Working                      | Notworking |                            |                    |   |                  |
| <b>Metal Work (30x58) square ft</b>           |   |                    |                              |            |                            |                    |   |                  |
| 1   | power hacksaw   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 2   | tool grinder  | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>Materil Testing Lab (30x40) square ft</b>  |   |                    |                              |            |                            |                    |   |                  |
| 1   | brinell hardness testing machine(work size 200 × 140 mm)  | 1                  |                              |            |                            |                    | 1                                       |                  |
| 2   | rock well hardness testing machine (work size 200 × 140 mm)                                     | 2                  |                              |            |                            |                    | 1                                       |                  |
| 2   | universal testing machine   | 1                  |                              |            |                            |                    | 1                                       |                  |
| 3   | heat treatment fumace   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 3   | specimen polishing machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 4   | specimen mount press  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 4   | pedestal grinder  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 5   | metallurgical microscope (1000 x)   | 1                  |                              |            |                            |                    | 1                                       |                  |
| 5   | torsion testing machine   | 1                  |                              |            |                            |                    | 1                                       |                  |
| 6   | ultrasonic testing equipment  | 1                  |                              |            |                            |                    | 1                                       |                  |
| 6   | magnetic particle testing equipment   | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>Advance Machine Shop (30x40) square ft</b> |   |                    |                              |            |                            |                    |   |                  |
| 1   | universal milling machine with all standard accessories   | 4                  |                              |            |                            |                    | 2                                       |                  |
| 2   | vertical milling machine with all standard accessories  | 1                  |                              |            |                            |                    | 1                                       |                  |
| 3   | pedestal tool grinder   | 1                  |                              |            |                            |                    | 1                                       |                  |
| 4   | universal tool and cutter grinding machine with all standar accessories                         | 0                  |                              |            |                            |                    | 1                                       |                  |
| 5   | vertical differential type hobbing machine with all standard accessories                        | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>CNC Lab (30x20) square ft</b>              |   |                    |                              |            |                            |                    |   |                  |
| 1   | CNC Vertical Machining Center   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 2   | CNC Turning Center  | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>CAD CAM Lab (30x40) square ft</b>          |   |                    |                              |            |                            |                    |   |                  |
| 1   | 3-D CAD software ( solid modeling )   | 0                  |                              |            |                            |                    | 50                                      |                  |
| 2   | 3-D CAD software ( milling ,turning, turn/mill,wire cut )                                       | 0                  |                              |            |                            |                    | 50                                      |                  |
| 3   | simulation soft ware for G-code   | 0                  |                              |            |                            |                    | 50                                      |                  |
| 4   | Server system   | 1                  |                              |            |                            |                    | 1set                                    |                  |
| 5   | computer  | 0                  |                              |            |                            |                    | 50                                      |                  |
| 6   | multimedia projector  | 0                  |                              |            |                            |                    | 1set                                    |                  |
| 6   | 3-D solid modeling software (kinetics,static ,dynamic analysis) for machine desine and analysis | 0                  |                              |            |                            |                    | 50                                      |                  |
| <b>Welding Shop (30x70) square ft</b>         |   |                    |                              |            |                            |                    |   |                  |
| 1   | oxygen cylinder   | 1                  |                              |            |                            |                    | 1                                       |                  |
| 2   | acetylene cylinder  | 1                  |                              |            |                            |                    | 1                                       |                  |
| 3   | welding transformers  | 3                  |                              |            |                            |                    | 3                                       |                  |
| 4   | welding rectifier   | 2                  |                              |            |                            |                    | 1                                       |                  |
| 5   | spot welder   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 6   | TIG welding machine   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 7   | MIG welding machine   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 8   | oxy- acetylene welding set  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 9   | hand grinder (electric)   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 10  | plazma cutting machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 11  | Air compressor  | 0                  |                              |            |                            |                    | 1                                       |                  |

|   |   |   |  |  |  |    |  |
|---|---|---|--|--|--|----|--|
| <b>Foundry Shop (30x50) square ft</b>                     |   |   |  |  |  |    |  |
| 2   | pedestal grinder                                    | 0 |  |  |  | 1  |  |
| 3   | CO2 moulding apparatus                              | 0 |  |  |  | 1  |  |
| 4   | crucible pit furnace (gas fired)                    | 1 |  |  |  | 1  |  |
| 5   | squeezing and jolting machine                       | 0 |  |  |  | 1  |  |
| 6   | tumbling barrel machine                             | 0 |  |  |  | 1  |  |
| 7   | moisture indicator                                  | 0 |  |  |  | 1  |  |
| 8   | clay contents test apparatus                        | 0 |  |  |  | 1  |  |
| 9   | permiability test apparatus                         | 0 |  |  |  | 1  |  |
| 10  | sand finess testing equipment                       | 0 |  |  |  | 1  |  |
| 11  | sand mixer  | 0 |  |  |  | 1  |  |
| 12  | CO2 moulding apparatus containing co2 gas cylinder  | 0 |  |  |  | 1  |  |
| <b>Auto CAD Lab (30x20) square ft</b>                     |   |   |  |  |  |    |  |
| 1   | computer  | 0 |  |  |  | 50 |  |
|   | Server System                                       |   |  |  |  | 1  |  |
| 4   | multimedia projector                                | 0 |  |  |  | 1  |  |
| 5   | AUTO CAD 2010                                       | 0 |  |  |  | 50 |  |
| 6   | microsoft windows 10                                | 0 |  |  |  | 50 |  |
| <b>Metrology Lab (30x60) square ft</b>                    |   |   |  |  |  |    |  |
| 1   | cast iron surface plate                             | 5 |  |  |  | 2  |  |
| 2   | granite surface plate                               | 1 |  |  |  | 1  |  |
| <b>Hydraulic Lab (30x30) square ft</b>                    |   |   |  |  |  |    |  |
| 1   | fluid friction in pipe with hydraulic bench         | 1 |  |  |  | 1  |  |
| 2   | bemoullis theorem with demonstration apparatus      | 1 |  |  |  | 1  |  |
| 3   | orifice discharge apparatus                         | 1 |  |  |  | 1  |  |
| 4   | apparatus of energy losses in benches               | 1 |  |  |  | 1  |  |
| 5   | centrifugal pump apparatus                          | 0 |  |  |  | 1  |  |
| 6   | axial pump apparatus                                | 0 |  |  |  | 1  |  |
| 7   | reciprocating pump apparatus                        | 0 |  |  |  | 1  |  |
| 8   | pelton turbine                                      | 0 |  |  |  | 1  |  |
| 9   | reaction turbine                                    | 0 |  |  |  | 1  |  |
| 10  | hydraulic controlequipment set                      | 0 |  |  |  | 1  |  |
| 11  | pneumatic controlequipment set                      | 0 |  |  |  | 1  |  |
| <b>Thermodynamics / Heat Engine Lab (30x30) square ft</b> |   |   |  |  |  |    |  |
| 1   | themocouples of different ranges                    | 0 |  |  |  | 1  |  |
| 2   | sectioned model of simple vertical boiler           | 0 |  |  |  | 1  |  |
| 3   | sectioned model of COCHRAN (multitubular boier)     | 0 |  |  |  | 1  |  |
| 4   | working model of gas turbine (impulse and reaction) | 0 |  |  |  | 1  |  |
| 5   | rotary air compressor                               | 0 |  |  |  | 1  |  |
| 6   | ignition pointtesting machine                       | 0 |  |  |  | 1  |  |
| 7   | air compressor testing machine                      | 0 |  |  |  | 1  |  |
| 8   | refrigeration trainer                               | 0 |  |  |  | 1  |  |
| <b>Woodwork Shop (30x30) square ft</b>                    |   |   |  |  |  |    |  |
| 1   | pedestal grinder                                    | 0 |  |  |  | 1  |  |
| 2   | drilling machine                                    | 0 |  |  |  | 1  |  |

**LIST OF MACHINERY , GSTC, FAISALABAD MECHANICAL DEPARTMENT**

| Sr.#.   | Name of Machinery                          | Existing Equipment | Status of Existing Equipment |            | Manufacturer's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any) |
|---|--|--------------------|------------------------------|------------|-----------------------------|--------------------|---|------------------|
|   |  |                    | Working                      | Notworking |                             |                    |   |                  |
| <b>Metal Work (30x58) square ft</b>           |  |                    |                              |            |                             |                    |   |                  |
| 1   | PILLAR DRILL MACHINE:-                     | 2                  | Yes                          | NIL        | England                     | 1962               | 1                                       |                  |
| 2   | Power Hackaw                               | 1                  | Yes                          | NIL        | England                     | 1962               | 1                                       |                  |
| 3   | Hand Sharing Machine                       | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| <b>Material Testing Lab (30x40) square ft</b> |  |                    |                              |            |                             |                    |   |                  |
| 1   | Brinell Hardness Testing Machine           | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | Rockwell Hardness Testing Machine          | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 3   | Universal Testing Machine                  | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 4   | Heat treatment Furnace                     | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 5   | Specimen Polishing Machine                 | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 6   | Pedestal Grinder                           | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 7   | Torsion Testing Machine                    | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 8   | Fatigue Testing Machine                    | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 9   | Ultrasonic testing equipment               | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 10  | Magnetic Particle testing equipment        | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| <b>Advance Machine Shop (30x40) square ft</b> |  |                    |                              |            |                             |                    |   |                  |
| 1   | Universal milling machine                  | 1                  | Yes                          | NIL        | PMTF Pakistant              | 2008               | 2                                       |                  |
| 2   | Vertical milling machine                   | 1                  | Yes                          | NIL        | PMTF Pakistant              | 2008               | 1                                       |                  |
| 3   | Cylindrical grinding machine               | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 4   | Surface grinding                           | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 5   | Vertical differential type hobbing machine | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 6   | Arbor Press                                | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| <b>CNC Lab (30x20) square ft</b>              |  |                    |                              |            |                             |                    |   |                  |
| 1   | CNC Vertical Machining Center              | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | CNC Turning Center                         | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| <b>CAD CAM Lab (30x40) square ft</b>          |  |                    |                              |            |                             |                    |   |                  |
| 1   | 3D CAD Software                            | -                  | -                            | -          | -                           | -                  | 30                                      |                  |
| 2   | 3D CAM Software                            | -                  | -                            | -          | -                           | -                  | 30                                      |                  |
| 3   | Server system                              | -                  | -                            | -          | -                           | -                  | 1set                                    |                  |
| 4   | Computer                                   | -                  | -                            | -          | -                           | -                  | 30                                      |                  |
| <b>Welding Shop (30x70) square ft</b>         |  |                    |                              |            |                             |                    |   |                  |
| 1   | Preheating Furnace                         | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | TIG Welding Machine                        | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 3   | MIG Welding Machine                        | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 4   | Plasma Cutting Machine                     | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 5   | Air Compressor                             | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| <b>Foundry Shop (30x50) square ft</b>         |  |                    |                              |            |                             |                    |   |                  |
| 1   | crucible pit furnace                       | 1                  | Yes                          | NIL        | -                           | 1,962              | 1                                       |                  |
| 2   | Gas fired tilting crucible furnaces        | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 1   | Tumbling Barrel Machine                    | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | Permeability Test Apparatus                | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 1   | Sand Strength Testing Machine              | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | Sand Finess Testing Equipment              | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 1   | Sand Mixer                                 | -                  | -                            | -          | -                           | -                  | 1                                       |                  |
| 2   | CO2 Molding Apparatus containing           | -                  | -                            | -          | -                           | -                  | 1                                       |                  |

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**LIST OF MACHINERY, GSPCT, GUJRAT MECHANICAL DEPARTMENT**

| Sr.#.   | Name of Machinery  | Quantity Available | Status of Existing Equipment |               | Manufactory's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any) |
|---|--|--------------------|------------------------------|---------------|----------------------------|--------------------|---|------------------|
|   |  |                    | Working                      | Notworking    |                            |                    |   |                  |
| <b>GENERAL METAL SHOP (30x40) square ft</b>   |  |                    |                              |               |                            |                    |   |                  |
| 1   | Pedestal Grinder   | 0                  |                              |               |                            |                    | 1                                       |                  |
| 2   | Power Hacksaw  | 0                  |                              |               |                            |                    | 1                                       |                  |
| 3   | Hand Shear Machine   | 0                  |                              |               |                            |                    | 1                                       |                  |
| <b>MATERIAL TESTING LAB (30x40) square ft</b> |  |                    |                              |               |                            |                    |   |                  |
| 1   | Heat treatment Furnace   | 0                  |                              |               |                            |                    | 1                                       |                  |
| 2   | Specimen Polishing Machine   | 0                  |                              |               |                            |                    | 1                                       |                  |
| 3   | Specimen Mount Press   | 0                  |                              |               |                            |                    | 1                                       |                  |
| 4   | Pedestal Grinder   | 0                  |                              |               |                            |                    | 1                                       |                  |
| 5   | Metallurgical Microscope(1000x)  | 0                  |                              |               |                            |                    | 1                                       |                  |
| 6   | Ultrasonic testing equipment   | 0                  |                              | Notworking    |                            |                    | 1                                       |                  |
| 7   | Magnetic particle testing equipment                                      | 0                  |                              |               |                            |                    | 1                                       |                  |
| <b>ADVANCE MACHINE SHOP (40x60) square ft</b> |  |                    |                              |               |                            |                    |   |                  |
| 1   | Centre Lathe   | 19                 | Working                      |               |                            |                    | 1                                       |                  |
| 2   | Vertical milling machine with all standard accessories                   | 1                  | Working                      |               |                            |                    | 1                                       |                  |
| 3   | Vertical differential type hobbing machine with all standard accessories | 0                  |                              |               |                            |                    | 1                                       |                  |
| 4   | Lathe machine with all standard accessories(Size: 180mm x 900mm)         | 0                  |                              |               |                            |                    | 1                                       |                  |
| <b>CNC LAB (30x40) square ft (suggested)</b>  |  |                    |                              |               |                            |                    |   |                  |
| 1   | CNC Vertical Machining Center  | 0                  |                              |               |                            |                    | 1                                       |                  |
| 2   | CNC Turning Center   | 0                  |                              |               |                            |                    | 1                                       |                  |
| <b>WELDING SHOP (30x70) square ft</b>         |  |                    |                              |               |                            |                    |   |                  |
| 1   | Oxygen Manifold (06 cylinders set)                                       | 0                  | Working                      |               |                            |                    | 1                                       |                  |
| 2   | Acetylene manifold (03 cylinders set)                                    | 0                  | Working                      |               |                            |                    | 1                                       |                  |
| 3   | Argon Cylinder   | 2                  | Working                      |               |                            |                    | 1                                       |                  |
| 4   | Carbon Dioxide cylinder  | 2                  | Working                      |               |                            |                    | 1                                       |                  |
| 5   | Oxygen cylinder pressure regulator                                       | 2                  | Working                      |               |                            |                    | 1                                       |                  |
| 6   | Acetylene cylinder pressure regulator                                    | 1                  | Working                      |               |                            |                    | 1                                       |                  |
| 7   | Argon cylinder pressure regulator  | 2                  | Working                      |               |                            |                    | 1                                       |                  |
| 8   | Carbon Dioxide cylinder pressure regulator                               | 1                  | Working                      |               |                            |                    | 1                                       |                  |
| 9   | TIG welding machine  | 3                  | 1 working                    | 2 not working |                            |                    | 1                                       |                  |
| 10  | MIG welding machine  | 2                  |                              | 1 not working |                            |                    | 1                                       |                  |
| <b>FOUNDRY SHOP (112x41) square ft</b>        |  |                    |                              |               |                            |                    |   |                  |
| 1   | CO2 Molding Apparatus containing CO2 Gas                                 | 1                  |                              | Not Working   |                            |                    | 1                                       |                  |
| 2   | Electric Hand grinder  | 0                  | -                            | -             |                            |                    | 1                                       |                  |
| 3   | Sand Fineness No Testing Equipment                                       | 1                  |                              | Not Working   |                            |                    | 1                                       |                  |

|   |   |   |         |             |  |    |  |
|---|---|---|---------|-------------|--|----|--|
| AUTO CAD LAB (30x40) square ft (suggested)                        |   |   |         |             |  |    |  |
| 1   | Computer  | 0 |         |             |  | 30 |  |
| 2   | Server system   | 0 |         |             |  | 1  |  |
| 3   | Multimedia Projector                                    | 0 |         |             |  | 1  |  |
| 4   | Microsoft Windows Latest                                | 0 |         |             |  | 30 |  |
| 5   | AutoCAD Software Latest                                 | 0 |         |             |  | 30 |  |
| BASIC MACHINESHOP<br>(40x30) square ft                            |   |   |         |             |  |    |  |
| 1   | Shaper Machine  | 0 |         |             |  | 1  |  |
| 2   | Pedestal Grinder  | 0 |         |             |  | 1  |  |
| METROLOGY LAB (30x40) square ft                                   |   |   |         |             |  |    |  |
| 1   | Cast Iron Surface Plate                                 | 0 |         |             |  | 1  |  |
| 2   | Granite Surface Plate                                   | 1 | Working |             |  | 1  |  |
| 3   | Glass Surface Plate                                     | 0 |         |             |  | 1  |  |
| HYDRAULIC LAB (30x40) square ft (suggested)                       |   |   |         |             |  |    |  |
| 1   | Fluid friction in pipes with hydraulic bench            | 1 | Working |             |  | 1  |  |
| 2   | Bernoulli's Theorem Demonstration Apparatus             | 1 |         | Not working |  | 1  |  |
| 3   | Reaction Turbine  | 0 |         |             |  | 1  |  |
| 4   | Hydraulic Control Equipment Set                         | 0 |         |             |  | 1  |  |
| 5   | Pneumatic Control Equipment Set                         | 0 |         |             |  | 1  |  |
| Thermodynamics / HEAT ENGINE LAB<br>(30x40) square ft (suggested) |   |   |         |             |  |    |  |
| 1   | Dead Weight Gauge Tester with Pressure gauge            | 0 |         |             |  | 1  |  |
| 2   | Thermometers of Celsius, Fahrenheit, Kelvin and Rankine | 0 |         |             |  | 1  |  |
| 3   | Thermocouples(Different Ranges)                         | 0 |         |             |  | 1  |  |
| 4   | Sectioned model of Simple Vertical Boiler               | 0 |         |             |  | 1  |  |
| 5   | Working model of gas turbine(Impulse and Reaction type) | 0 |         |             |  | 1  |  |
| 6   | Reciprocating air compressor                            | 0 |         |             |  | 1  |  |
| Woodwork Shop Area = (52'x40') square ft                          |   |   |         |             |  |    |  |
| 1   | Pedestal Grinder  | 0 |         |             |  | 1  |  |
| 2   | Jig Saw   | 0 |         |             |  | 1  |  |



| SHEET- 01  |   |                    |                              |            |  |                    |   |                              |
|--|---|--------------------|------------------------------|------------|--|--------------------|---|------------------------------|
| LIST OF MACHINERY . GCT, SARGODHA. MECHANICAL DEPERTMENT |   |                    |                              |            |  |                    |   |                              |
|  | Name of Machinery                                       | Existing Equipment | Status of Existing Equipment |            | Manufactory's Company Name               | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any)             |
|  |   |                    | Working                      | Notworking |  |                    |   |                              |
| <b>METAL SHOP (30x58) square ft</b>                      |   |                    |                              |            |  |                    |   |                              |
| 1  | Pedestal Grinder  | 0                  | 0                            | 1          |  |                    | 1                                       |                              |
| <b>MATERIAL TESTING LAB (30x40) square ft</b>            |   |                    |                              |            |  |                    |   |                              |
| 1  | Ultrasonic flaw testing equipment                       | 0                  |                              |            |  |                    | 1                                       |                              |
| 2  | Magnetic particle testing equipment                     | 0                  |                              |            |  |                    | 1                                       |                              |
| 3  | Specimen Polishing Machine                              | 0                  |                              |            |  |                    | 1                                       |                              |
| 4  | Pedestal Grinder  | 0                  |                              |            |  |                    | 1                                       |                              |
| 5  | Metallurgical Microscope:                               | 0                  |                              |            |  |                    | 1                                       |                              |
| <b>MACHINE SHOP (30x40) square ft</b>                    |   |                    |                              |            |  |                    |   |                              |
| 1  | Lathe Machine   | 15Nos.             | 5                            | 10         | Beco                                     |                    | 2                                       | Shifted from Defunct GCT,RPI |
| 2  | Drilling Machine  | 1No.               | 1                            | 0          | Walker Turner USA                        |                    | 1                                       | Shifted from Defunct GCT,RPI |
| 3  | Universal milling machine with all standard accessories | 3 set              | 3                            | 0          | Bridge                                   | 1970<br>1973       | 1                                       | Shifted from Defunct GCT,RPI |
| 4  | Surface grinding machine with all standard accessories  | 1 set              | 0                            | 1          | Shangai Machine Tool Work China (M71207) | 1970               | 1                                       | Shifted from Defunct GCT,RPI |
| <b>CNC LAB (30x20) square ft</b>                         |   |                    |                              |            |  |                    |   |                              |
| 1  | CNC Turning Center                                      | 0                  |                              |            |  |                    | 1                                       |                              |
| 2  | CNC Turning Center                                      | 0                  |                              |            |  |                    | 1                                       |                              |
| 3  | Metal Cutting Band saw                                  | 0                  |                              |            |  |                    | 1                                       |                              |
| <b>CAD CAM LAB (30x40) square ft</b>                     |   |                    |                              |            |  |                    |   |                              |
| 1  | 3D CAD Software (Solid Modeling)                        | 0                  |                              |            |  |                    | 50                                      |                              |
| 2  | 3D CAM Software (Milling, Turning, Turn/Mill, Wire Cut) | 0                  |                              |            | Not Available                            |                    | 50                                      |                              |
| 3  | SERVER SYSTEM   | 0                  |                              |            |  |                    | 1                                       |                              |
| 4  | DESKTOP/CLIENT COMPUTER                                 | 0                  |                              |            |  |                    | 50                                      |                              |
| <b>WELDING SHOP (30x70) square ft</b>                    |   |                    |                              |            |  |                    |   |                              |
| 1  | Welding Transformer                                     | 4                  | 4 Set                        | 0          | USA                                      | 1970               | 2                                       |                              |
| 2  | TIG Welding machine                                     | 0                  | 0                            |            |  |                    | 1                                       |                              |
| 3  | MIG Welding Machine                                     | 0                  | 0                            |            |  |                    | 1                                       |                              |
| 4  | Power Shear   | 0                  | 0                            |            |  |                    | 1                                       |                              |
| 5  | Pedestal Grinder  | 0                  | 0                            |            |  |                    | 1                                       |                              |
| 6  | Spot Welder   | 0                  | 0                            |            |  |                    | 1                                       |                              |
| <b>FOUNDRY SHOP (30x50) square ft</b>                    |   |                    |                              |            |  |                    |   |                              |
| 1  | CRUCIBLE PIT FURNACE (Gas fired)                        | 0                  |                              |            |  |                    | 1                                       | -                            |
| 2  | SAND MIXER  | 0                  |                              |            |  |                    | 1                                       | -                            |
| 3  | CLAY CONTENTS TESTING MACHINE                           | 0                  |                              |            |  |                    | 1                                       | -                            |
| 4  | SAND FINNESS NUMBER TESTING MACHINE                     | 0                  |                              |            |  |                    | 1                                       | -                            |
| 5  | PYROMETERS (Emersion Type) 2500 °C                      | 0                  |                              |            |  |                    | 1                                       | -                            |
| 6  | CO2 MOLDING APPARATUS                                   | 0                  |                              |            |  |                    | 1                                       | -                            |
| <b>METROLOGY LAB (30x60) square ft</b>                   |   |                    |                              |            |  |                    |   |                              |
| 1  | Surface plate   | 1                  | 1                            | 0          |  |                    | 1                                       |                              |
| <b>HYDRAULLIC LAB (30x30) square ft</b>                  |   |                    |                              |            |  |                    |   |                              |
| 1  | Hydraulic Bench   | 1                  | 1                            | 0          | FME 00, Edibon Spain                     | 2004               | 1                                       |                              |
| 2  | MULTI PUMP TEST RIG                                     | 0                  |                              |            |  |                    | 1                                       |                              |
| 3  | MULTI TURBINE TEST RIG                                  | 0                  |                              |            |  |                    | 1                                       |                              |
| 4  | Dead Weight Master Gauge Calibrator                     | 1                  | 1                            | 0          |  | 2005               | 1                                       |                              |
| 5  | Hydraulic Trainer (Transparent Type Components)         | 0                  |                              |            |  |                    | 1                                       |                              |
| 6  | Thermodynamics / HEAT ENGINE LAB (30x30) square ft      |                    |                              |            |  |                    |   |                              |
| 7  | Thermocouples(Different Ranges and types) 0-1500 °C     | 0                  |                              |            |  |                    | 1                                       |                              |
| 8  | Sectioned model of Simple Vertical Boiler               | 0                  |                              |            |  |                    | 1                                       |                              |
| <b>Woodwork Shop (30x30) square ft</b>                   |   |                    |                              |            |  |                    |   |                              |
| 1  | WOOD TURNING LATRHE:-                                   | 0                  |                              |            |  |                    | 1                                       |                              |
| 2  | COMBINE BELT AND DISC SANDER:-                          | 0                  |                              |            |  |                    | 1                                       |                              |
| 3  | PILLAR DRILL  | 0                  |                              |            |  |                    | 1                                       |                              |

**LIST OF MACHINERY, GCT, SARGODHA MECHANICAL DEPARTMENT**

|   | Name of Machinery                           | Existing Equipment | Status of Existing Equipment |            | Manufacturer's Company Name | Manufacturing Year | Q+H4:H24u<br>antity<br>Required as<br>per New<br>Curriculum | Remarks<br>(if any) |
|---|---|--------------------|------------------------------|------------|-----------------------------|--------------------|---|---------------------|
|   |   |                    | Working                      | Notworking |                             |                    |   |                     |
| <b>METAL SHOP (30x58) square ft</b>               |   |                    |                              |            |                             |                    |   |                     |
| 1   | Punching and shearing                       | 1                  | 1                            |            |                             | 1969               | 1   |                     |
| 2   | Engraving machine                           | 1                  | 1                            | Notworking |                             | 1969               | 1   |                     |
| 3   | Pedestal Grinder                            | 0                  |                              |            |                             |                    | 1   |                     |
| 4   | Power Hack Saw                              | 0                  |                              |            |                             |                    | 1   |                     |
| 5   | Bending Machine                             | 0                  |                              |            |                             |                    | 1   |                     |
| 6   | Sheet Rolling Machine                       | 0                  |                              |            |                             |                    | 1   |                     |
| 7   | Hand Shear Machine                          | 0                  |                              |            |                             |                    | 1   |                     |
| <b>MATERIAL TESTING LAB (30x40) square ft</b>     |   |                    |                              |            |                             |                    |   |                     |
| 1   | Specimen Cutting Machine                    | 1                  |                              | 2          | Metaserv                    | 1981               | 1   |                     |
| 2   | Muffle Furnace                              | 1                  |                              | 1          | Metaserv                    | 1990               | 1   |                     |
| 3   | Brinell Hardness Testing Machine(200x140mm) | 0                  |                              |            |                             |                    | 1   |                     |
| 4   | Rockwell Hardness Testing Machine           | 0                  |                              |            |                             |                    | 1   |                     |
| 5   | Izod Impact Testing Machine                 | 0                  |                              |            |                             |                    | 1   |                     |
| 6   | Universal Testing Machine                   | 0                  |                              |            |                             |                    | 1   |                     |
| 7   | Heat Treatment Furnace                      | 0                  |                              |            |                             |                    | 1   |                     |
| 8   | Specimen Cutoff Machine                     | 0                  |                              |            |                             |                    | 1   |                     |
| 9   | Specimen Polishing Machine                  | 0                  |                              |            |                             |                    | 1   |                     |
| 10  | Specimen Mount Press                        | 0                  |                              |            |                             |                    | 1   |                     |
| 11  | Pedestal Grinder                            | 0                  |                              |            |                             |                    | 1   |                     |
| 12  | Metallurgical Microscope (1000x)            | 0                  |                              |            |                             |                    | 1   |                     |
| 13  | Torsion Testing Machine                     | 0                  |                              |            |                             |                    | 1   |                     |
| 14  | Fatigue Testing Machine                     | 0                  |                              |            |                             |                    | 1   |                     |
| 15  | Quenching Bath                              | 0                  |                              |            |                             |                    | 1   |                     |
| 16  | Ultrasonic Testing equipment                | 0                  |                              |            |                             |                    | 1   |                     |
| <b>BASIC / ADVANCE MACHINE SHOP (50x40) sq ft</b> |   |                    |                              |            |                             |                    |   |                     |
| 1   | lathe precision engine lathe                | 4                  | 2                            |            |                             | 1970               | 1   |                     |
| 2   | Universal milling machine                   | 3                  | 0                            |            |                             | 1968               | 1   |                     |
| 3   | Vertical milling machine                    | 1                  | 0                            |            |                             | 1968               | 1   |                     |
| 4   | Tool cutter and grinder                     | 1                  | 0                            |            |                             | 1988               | 1   |                     |
| 5   | Drill heavy drill machine                   | 2                  | 0                            |            |                             | 1988               | 1   |                     |
| 6   | Universal cylindrical grinder               | 1                  | required                     |            |                             | 2008               | 1   |                     |
| 7   | Gear hobbing                                | 1                  | 0                            |            |                             | 1970               | 1   |                     |
| 8   | Surface grinder                             | 1                  | 0                            |            |                             | 1970               | 1   |                     |
| <b>CNC LAB (30x40) square ft</b>                  |   |                    |                              |            |                             |                    |   |                     |
| 1   | CNC Vertical Machining Center               | 0                  | 0                            |            |                             |                    | 1   |                     |
| 2   | CNC Turning Center                          | 0                  | 0                            |            |                             |                    | 1   |                     |
| <b>CAD/CAM LAB (30x40) square ft</b>              |   |                    |                              |            |                             |                    |   |                     |
| 1   | Computer                                    | 28                 | 12                           | 16         | P-iv                        | 2006-8             | 50  |                     |
| 2   | Server System                               | 0                  |                              |            |                             |                    | 1   |                     |
| 3   | Microsoft Windows Latest                    | 0                  |                              |            |                             |                    | 50  |                     |
| 4   | AutoCAD Software Latest                     | 0                  |                              |            |                             |                    | 50  |                     |
| <b>WELDING SHOP (30x70) square ft</b>             |   |                    |                              |            |                             |                    |   |                     |
| 1   | pedestal grinder                            | 1                  | working                      |            | bridge (pak)                | 1970               | 1   |                     |
| 2   | welding transformer                         | 1                  | working                      |            | china                       | 1970               | 1   |                     |
| 3   | MIG welding machine                         | 0                  |                              |            |                             |                    | 1   |                     |
| 4   | MIG welding machine                         | 0                  |                              |            |                             |                    | 1   |                     |

|   |   |    |    |    |           |            |    |
|---|---|----|----|----|-----------|------------|----|
| <b>FOUNDRY SHOP 60*30) square ft</b>                    |   |    |    |    |           |            |    |
| 1   | universal sand strength testing machine                   | 0  | 0  | 0  |           |            | 1  |
| 2   | Thumbling barrel machine                                  | 0  |    |    |           |            | 1  |
| 3   | Curicible pit furnace( gas fired)                         | 2  | 2  | 0  |           |            | 1  |
| 4   | sand blasting machine                                     | 0  |    |    |           |            | 1  |
| <b>AUTO CAD LAB (30x20) square ft</b>                   |   |    |    |    |           |            |    |
| 1   | Computer  | 28 | 12 | 16 | P-iv      | 2006-8     | 25 |
| 2   | Server System   | 0  |    |    |           |            | 1  |
| 3   | Multimedia  | 2  | 1  | 1  | Evrest    | 20,022,012 | 1  |
| 4   | 3D CAD Software ( Solid Modeling)                         | 0  |    |    |           |            | 25 |
| 5   | 3D CAM Software ( Milling, Turning, Turn/Mill,Wire Cut)   | 0  |    |    |           |            | 25 |
| <b>METROLOGY LAB20*20 square ft</b>                     |   |    |    |    |           |            |    |
| 1   | Profile Projector/Shadow Graph                            | 0  |    |    |           |            | 1  |
| 2   | Gear Testing Machine                                      | 0  |    |    |           |            | 1  |
| 3   | Bernolli's Theorem Demonstration Apparatus(Venturi meter) | 0  | 0  |    |           | 1978       | 1  |
| 4   | Apparatus of Enenergy Losses in Bends                     | 0  | 0  |    |           | 1979       | 1  |
| 5   | Hydraulic Control Equipment Set                           | 0  | 0  |    |           | 1979       | 1  |
| 6   | Pneumatic Control Equipment Set                           | 0  | 0  |    |           | 1992       | 1  |
| <b>Thermodynamics / HEAT ENGINE LAB(30x30)square ft</b> |   |    |    |    |           |            |    |
| 1   | Dead Weight Gauge tester with Pressure gauge              |    | 1  | 1  |           | 1979       | 1  |
| 2   | Thermocouples(different Ranges)                           |    | 0  | 0  |           | 1978       | 1  |
| 3   | Sectioned model of Sample Vertical Boiler                 |    | 0  | 0  |           | 1978       | 1  |
| 4   | Rotary air compressor                                     |    | 0  | 0  |           | 1990       | 1  |
| 5   | Ignition point Testing Machine                            |    | 1  | 1  |           | 1990       | 1  |
| 6   | Air Compressor Testing Machine                            |    | 1  | 1  |           | 1990       | 1  |
| 7   | Gas Turbine Testing Machine                               |    | 0  | 0  |           | 2002       | 1  |
| <b>Woodwork Shop (50x30) square ft</b>                  |   |    |    |    |           |            |    |
| 1   | Band Saw  | 1  | 1  |    | Pak- Made | 04.05.1972 | 1  |
| 2   | Lathe Machine   | 1  | 1  |    | Pak- Made | 04.05.1972 | 1  |
| 3   | Jig Saw   | 1  | 0  | 1  | Pak- Made | 04.05.1972 | 1  |
| 4   | Lathe Machine<br>Pak Made                                 | 2  | 0  | 2  | Pak- Made | 04.05.1972 | 2  |
| 5   | Mortizing Machine   | 1  | 1  |    | Pak- Made | 04.05.1972 | 1  |

**LIST OF MACHINERY , GCT,SIALKOT . MECHANICAL DEPERIMENT**

|                             | Name of Machinery  | Existing Equipment | Status of Existing Equipment |            | Manufactory's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any) |
|-----------------------------|--|--------------------|------------------------------|------------|----------------------------|--------------------|---|------------------|
|                             |  |                    | Working                      | Notworking |                            |                    |   |                  |
| <b>METAL SHOP</b>           |  |                    |                              |            |                            |                    |   |                  |
| 1                           | Tool Grinder   | 0                  | x                            |            |                            |                    | 1                                       |                  |
| <b>MATERIAL TESTING LAB</b> |  |                    |                              |            |                            |                    |   |                  |
| 1                           | Brinell Hardness Testing Machine(Work size: 200mm x 140mm)               | 1                  |                              | Yes        | Wild Bar Field             | 1965               | 1                                       |                  |
| 2                           | Rockwell Hardness Testing Machine(Work size: 200mm x 140mm)              | 3                  |                              | Yes        | Wild Bar Field             | 1966               | 1                                       |                  |
| 3                           | Specimen Polishing Machine   | 2                  |                              | Yes        |                            | 1966               | 1                                       |                  |
| 4                           | Torsion Testing machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 5                           | Fatigue testing machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 6                           | Ultrasonic testing equipment   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 7                           | Magnetic particle testing equipment                                      | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>ADVANCE MACHINE SHOP</b> |  |                    |                              |            |                            |                    |   |                  |
| 1                           | Vertical differential type hobbing machine with all standard accessories | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>CNC LAB</b>              |  |                    |                              |            |                            |                    |   |                  |
| 1                           | CNC Vertical Machining Center  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 2                           | CNC Turning Center   | 1                  |                              | Yes        | Boxford                    | 2001               | 1                                       |                  |
| <b>CAD CAM LAB</b>          |  |                    |                              |            |                            |                    |   |                  |
| 1                           | 3D CAD Software (Solid Modeling)   | 0                  |                              |            |                            |                    | 30                                      |                  |
| 2                           | 3D CAM Software (Milling, Turning, Turn/Mill, Wire Cut)                  | 0                  |                              |            |                            |                    | 30                                      |                  |
| 3                           | Computer   | 0                  |                              |            |                            |                    | 30                                      |                  |
| 4                           | Server system  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 5                           | Multimedia Projector   | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>WELDING SHOP</b>         |  |                    |                              |            |                            |                    |   |                  |
| 1                           | TIG Welding machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 2                           | MIG Welding Machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 3                           | Plasma Cutting Machine   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 4                           | Air Compressor   | 0                  |                              |            |                            |                    | 1                                       |                  |
| <b>FOUNDRY SHOP</b>         |  |                    |                              |            |                            |                    |   |                  |
| 1                           | Pedestal grinding machine  | 0                  |                              |            |                            |                    | 1                                       |                  |
| 2                           | Crucible pit furnace (Gas fired)   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 3                           | Sand Mixer   | 0                  |                              |            |                            |                    | 1                                       |                  |
| 4                           | CO2 Molding Apparatus containing CO2 gas cylinder                        | 0                  |                              |            |                            |                    | 1                                       |                  |

|   |  |   |     |     |                            |      |   |  |  |
|---|--|---|-----|-----|----------------------------|------|---|--|--|
| <b>BASIC MACHINE SHOP</b>               |  |   |     |     |                            |      |   |  |  |
| 1                                       | Lathe Machine  | 0 |     |     |                            |      | 2 |  |  |
| 2                                       | Shaper Machine   | 1 | Yes |     | Beco                       | 1960 | 1 |  |  |
| <b>METROLOGY LAB</b>                    |  |   |     |     |                            |      |   |  |  |
| 1                                       | Cast Iron Surface Plate                                  | 2 | Yes |     | Japan                      | 2004 | 1 |  |  |
| 2                                       | Granite Surface Plate                                    | 2 | Yes |     |                            | 2004 | 1 |  |  |
| 3                                       | Glass Surface Plate                                      | 0 |     |     |                            |      | 1 |  |  |
| 4                                       | Mechanical Comparator                                    | 0 |     |     |                            |      | 1 |  |  |
| 5                                       | Electrical Comparator                                    | 0 |     |     |                            |      | 1 |  |  |
| 6                                       | Optical Flats  | 0 |     |     |                            |      | 1 |  |  |
| <b>HYDRAULIC LAB</b>                    |  |   |     |     |                            |      |   |  |  |
| 1                                       | Fluid friction in pipes with hydraulic bench             | 1 |     | Yes | Te<br>Equipment<br>England | 1968 | 1 |  |  |
| 2                                       | Bernoulli's Theorem Demonstration Apparatus              | 0 |     |     |                            |      | 1 |  |  |
| 3                                       | Apparatus of Energy Losses in Bends                      | 0 |     |     |                            |      | 1 |  |  |
| 4                                       | Hydraulic Control Equipment Set                          | 0 |     |     |                            |      | 1 |  |  |
| <b>Thermodynamics / HEAT ENGINE LAB</b> |  |   |     |     |                            |      |   |  |  |
| 1                                       | Dead Weight Gauge Tester with Pressure gauge             | 0 |     |     |                            |      | 1 |  |  |
| 2                                       | Thermometers of Celsius, Fahrenheit, Kelvin and Rankine  | 0 |     |     |                            |      | 1 |  |  |
| 3                                       | Thermocouples (Different Ranges)                         | 0 |     |     |                            |      | 1 |  |  |
| 4                                       | Working model of gas turbine (Impulse and Reaction type) | 0 |     |     |                            |      | 1 |  |  |
| 5                                       | Rotary air compressor                                    | 0 |     |     |                            |      | 1 |  |  |
| 6                                       | Refrigeration Trainer                                    | 0 |     |     |                            |      | 1 |  |  |
| <b>Woodwork Shop</b>                    |  |   |     |     |                            |      |   |  |  |
| 1                                       | Jig Saw  | 0 |     |     |                            |      | 1 |  |  |
| 2                                       | Wood Turning Lathe                                       | 1 | Yes |     | Leicester<br>England       | 1963 | 1 |  |  |

**LIST OF MACHINERY GOVERNMENT COLLEGE OF TECHNOLOGY LAYYAH MECHANICAL DEPARTMENT**

| Sr. No. | Name of Lab                  | Name of Machinery / Equipment as per Curriculum                                | Existing Equipment | Status of Existing |             | Manufactory Company Name | Manufacturing Year | Quantity Required as per New | Remarks (if any) |
|---------|------------------------------|--|--------------------|--------------------|-------------|--------------------------|--------------------|------------------------------|------------------|
|         |                              |  |                    | Working            | Not Working |                          |                    |                              |                  |
| 1       | CNC (39'x25')                | CNC Turning Center   | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | CNC Vertical Machining Center  | 0                  |                    |             |                          |                    | 1                            |                  |
| 2       | Auto Cad Lab                 | Computer   | 0                  |                    |             |                          |                    | 50                           |                  |
|         |                              | Multi Media projector  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Server System  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Auto Cad 2016  | 0                  |                    |             |                          |                    | 50                           |                  |
|         |                              | Microsoft Window 10  | 0                  |                    |             |                          |                    | 50                           |                  |
| 3       | Foundry Shop (49'x25')       | CO <sub>2</sub> Molding Apparatus  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Permeability Test apparatus  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Sand Mixer   | 0                  |                    |             |                          |                    | 1                            |                  |
| 4       | Heat Engine Lab (29'x25')    | Working Model of Steam turbine (Impulse and reaction type)                     | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Refrigeration trainer  | 0                  |                    |             |                          |                    | 1                            |                  |
| 5       | Machine Shop-11 (25'x24')    | Lathe Machine  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Universal Milling Machine  | 1                  | Yes                |             | PMTF                     | 1979               | 1                            |                  |
|         |                              | Milling Machine Vertical   | 1                  | Yes                |             | PMTF                     | 1980               | 1                            |                  |
|         |                              | Shaper Machine   | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Power Hacksaw Comple with all standard accessories                             | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Surface Grinding Machine Comple with all standard accessories                  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Vertical differential type hobbing machineComple with all standard accessories | 0                  |                    |             |                          |                    | 1                            |                  |
| 6       | Heat Treatment Lab (39'x25') | Brinell Hardness Tester  | 2                  |                    | Yes         | SINWON                   | 1981               | 1                            |                  |
|         |                              | Rock well Harness Tester   | 2                  |                    | Yes         | SINWON                   | 1982               | 1                            |                  |
|         |                              | Universal Hyraulic Testing Machine   | 1                  |                    | Yes         | SINWON                   | 1981               | 1                            |                  |
|         |                              | Electric Furnace   | 1                  |                    | Yes         | SINWON                   | 1974               | 1                            |                  |
|         |                              | Pedestal Grinder   | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Matellurgical Microscope   | 5                  |                    | Yes         | SINWON                   | 1970               | 1                            |                  |
|         |                              | Torsion Testing Machine  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Fatigue Testing Machine  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Ultra Sonic Testing Equilment  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Magnatic Particle Testing Equipment  | 0                  |                    |             |                          |                    | 1                            |                  |
| 7       | Metal Shop (39'x25')         | Pedestal Grinder   | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Power Hacksaw  | 0                  |                    |             |                          |                    | 1                            |                  |
| 8       | Metrology Lab (39'x25')      | Cast Iron Surface Plate  | 1                  | Yes                |             | STARRET                  |                    | 1                            |                  |
|         |                              | Glass Surface Plate  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Optical Flats  | 0                  |                    |             |                          |                    | 1                            |                  |
| 9       | Welding (50'x25')            | Welding Rectfire   | 1                  | Yes                |             | Pak Made                 | 1975               | 1                            |                  |
|         |                              | Tig Welding Machine  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Mig Welding Machine  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Power Shear  | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Plasma cutting Machine   | 0                  |                    |             |                          |                    | 1                            |                  |
|         |                              | Air Compressor   | 0                  |                    |             |                          |                    | 1                            |                  |

| SHEET- 01  |   |                    |                              |            |                             |                    |   |   |
|--|---|--------------------|------------------------------|------------|-----------------------------|--------------------|---|---|
| LIST OF MACHINERY , GCT, SANGLA HILL MECHANICAL DEPARTMENT |   |                    |                              |            |                             |                    |   |   |
| Sr.#.  | Name of Machinery                                     | Existing Equipment | Status of Existing Equipment |            | Manufacturer's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks (if any)  |
| <b>METAL SHOP (30x60) square ft</b>                        |   |                    | Working                      | Notworking |                             |                    |   |   |
| 1  | Surface plate   | 0                  |                              |            |                             |                    | 1                                       |   |
| 2  | Foot shear  | 0                  |                              |            |                             |                    | 1                                       |   |
| 3  | Power hacksaw   | 0                  |                              |            |                             |                    | 1                                       |   |
| 4  | Pedestal Grinder                                      | 0                  |                              |            |                             |                    | 1                                       |   |
| 5  | Pillar Drill machine                                  | 0                  |                              |            |                             |                    | 1                                       |   |
| <b>MATERIAL TESTING LAB (30x60) square ft</b>              |   |                    |                              |            |                             |                    |   |   |
| 1  | Universal Hardness Testing Machine                    | 0                  |                              |            |                             |                    | 1                                       | Lab /shop not established due to nonavailability of equipment |
| 2  | Universal Testing Machine                             | 0                  |                              |            |                             |                    | 1                                       |   |
| 3  | Readout Microscope                                    | 0                  |                              |            |                             |                    | 1                                       |   |
| 4  | Torsion Testing machine                               | 0                  |                              |            |                             |                    | 1                                       |   |
| 5  | Specimen Cutoff Machine                               | 0                  |                              |            |                             |                    | 1                                       |   |
| 6  | Magnetic particle testing equipment                   | 0                  |                              |            |                             |                    | 1                                       |   |
| 7  | Heat treatment Furnace                                | 0                  |                              |            |                             |                    | 1                                       |   |
| 8  | Specimen Polishing Machine                            | 0                  |                              |            |                             |                    | 1                                       |   |
| 9  | Metallurgical Microscope                              | 0                  |                              |            |                             |                    | 1                                       |   |
| <b>ADVANCE MACHINE SHOP (30x60) square ft</b>              |   |                    |                              |            |                             |                    |   |   |
| 1  | Lathe machine   | 0                  |                              |            |                             |                    | 3                                       | Lab /shop not established due to nonavailability of equipment |
| 2  | Universal milling machine                             | 0                  |                              |            |                             |                    | 2                                       |   |
| 3  | Pillar Drill machine                                  | 0                  |                              |            |                             |                    | 1                                       |   |
| 4  | Pedestal tool grinder                                 | 0                  |                              |            |                             |                    | 1                                       |   |
| 5  | Shaper  | 0                  |                              |            |                             |                    | 1                                       |   |
| 6  | Power hacksaw   | 0                  |                              |            |                             |                    | 1                                       |   |
| 7  | Universal tool & cutter grinding machine              | 0                  |                              |            |                             |                    | 1                                       |   |
| 8  | Vertical differential type Hobbing machine            | 0                  |                              |            |                             |                    | 1                                       |   |
| 9  | Surface Grinding Machine                              | 0                  |                              |            |                             |                    | 1                                       |   |
| <b>CNC LAB (30x60) square ft</b>                           |   |                    |                              |            |                             |                    |   |   |
| 1  | CNC Vertical Machining Center                         | 0                  |                              |            |                             |                    | 1                                       | Lab /shop not established due to nonavailability of equipment |
| 2  | CNC Turning Center                                    | 0                  |                              |            |                             |                    | 1                                       |   |
| <b>WELDING SHOP (30x60) square ft</b>                      |   |                    |                              |            |                             |                    |   |   |
| 1  | Oxygen Gas Cylinder.                                  | 0                  |                              |            |                             |                    | 2                                       | Lab /shop not established due to nonavailability of equipment |
| 2  | Acetylene Gas Cylinder                                | 0                  |                              |            |                             |                    | 2                                       |   |
| 3  | Oxygen Cylinder Regulators.                           | 0                  |                              |            |                             |                    | 2                                       |   |
| 4  | Acetylene Cylinder Regulators.                        | 0                  |                              |            |                             |                    | 2                                       |   |
| 5  | Arc Welding Transformer.                              | 0                  |                              |            |                             |                    | 1                                       |   |
| 6  | Rectifier Welding with D.C. Ampere and D.C. Voltmeter | 0                  |                              |            |                             |                    | 1                                       |   |
| 7  | Spot Welding Machine                                  | 0                  |                              |            |                             |                    | 1                                       |   |

|   |  |   |  |  |  |    |  |
|---|--|---|--|--|--|----|--|
| <b>FOUNDRY SHOP (30x60) square ft</b>   |  |   |  |  |  |    |  |
| 1                                       | CRUCIBLE PIT FURNACE (Gas fired)             | 0 |  |  |  | 1  | Lab/shop not established due to nonavailability of equipment |
| 2                                       | Core Baking Oven                             | 0 |  |  |  | 1  |  |
| <b>AUTO CAD LAB (30x60) square ft</b>   |  |   |  |  |  |    |  |
| 1                                       | Computer                                     | 0 |  |  |  | 50 | Lab/shop not established due to nonavailability of equipment |
| 2                                       | Server System                                | 0 |  |  |  | 1  |  |
| 3                                       | Multi Media projector                        |   |  |  |  | 1  |  |
| 4                                       | Microsoft Windows Latest                     | 0 |  |  |  | 50 |  |
| 5                                       | AutoCAD Software Latest                      | 0 |  |  |  | 50 |  |
| <b>HYDRAULIC LAB (60x30) square ft</b>  |  |   |  |  |  |    |  |
| 1                                       | Fluid Friction in Pipes with Hydraulic Bench | 0 |  |  |  | 1  | Lab/shop not established due to nonavailability of equipment |
| 2                                       | Bernoulli's Theorem Demonstration Appa       | 0 |  |  |  | 1  |  |
| 3                                       | Orifice Discharge Apparatus                  | 0 |  |  |  | 1  |  |
| 4                                       | Apparatus of "Energy Losses in Bends"        | 0 |  |  |  | 1  |  |
| 5                                       | MULTI PUMP TEST RIG                          | 0 |  |  |  | 1  |  |
| 6                                       | MULTI TURBINE TEST RIG                       | 0 |  |  |  | 1  |  |
| 7                                       | Electro pneumatic Trainer                    | 0 |  |  |  | 1  |  |
| 8                                       | Dead Weight Master Gauge Calibrator          | 0 |  |  |  | 1  |  |
| 9                                       | Hydraulic Trainer                            | 0 |  |  |  | 1  |  |
| <b>Thermodynamics / HEAT ENGINE LAB</b> |  |   |  |  |  |    |  |
| 1                                       | Dead Weight Gauge Tester with Pressure gauge | 0 |  |  |  | 1  | Lab/shop not established due to nonavailability of equipment |
| 2                                       | Multi tubular boiler                         | 0 |  |  |  | 1  |  |
| 3                                       | Gas Turbine Power System                     | 0 |  |  |  | 1  |  |
| <b>Woodwork Shop (60x30) square ft</b>  |  |   |  |  |  |    |  |
| 1                                       | CIRCULAR SAW                                 | 0 |  |  |  | 1  |  |
| 2                                       | JIG SAW                                      | 0 |  |  |  | 1  |  |
| 3                                       | BAND SAW                                     | 0 |  |  |  | 1  |  |
| 4                                       | COMBINATION PLANE ( PLANER & THICKNESSER)    | 0 |  |  |  | 1  |  |
| 5                                       | WOOD TURNING LATRHE                          | 0 |  |  |  | 1  |  |
| 6                                       | COMBINE BELT AND DISC SANDER                 | 0 |  |  |  | 1  |  |
| 7                                       | MORTISING MACHINE                            | 0 |  |  |  | 1  |  |
| 8                                       | PILLAR DRILL                                 | 0 |  |  |  | 1  |  |



| LIST OF MACHINERY , GCT, MULTAN MECHANICAL DEPERTMENT |  |                    |                              |             |                           |                    |   |         |
|---|--|--------------------|------------------------------|-------------|---------------------------|--------------------|---|---------|
| Sr. No.   | Name of Machinery  | Existing Equipment | Status of Existing Equipment |             | Manufacturer Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks |
|   |  |                    | Working                      | Not Working |                           |                    |   |         |
| <b>Foundry Shop</b>                                   |  |                    |                              |             |                           |                    |   |         |
| 1   | Sand Mixer   | 0                  |                              |             |                           |                    | 1                                       |         |
| 2   | Sand Finess Number Testing M/c                                       | 0                  |                              |             |                           |                    | 1                                       |         |
| 3   | Co2 Moulding Apparatus with CO2 Cylinder (Complete)                  | 0                  |                              |             |                           |                    | 1                                       |         |
| 4   | Hand grinding M/c  | 0                  |                              |             |                           |                    | 1                                       |         |
| <b>CNC Lab</b>  |  |                    |                              |             |                           |                    |   |         |
| 1   | CNC Vertical Machining Center  | 0                  |                              |             |                           |                    | 1                                       |         |
| 2   | CNC Turning Center   | 0                  |                              |             |                           |                    | 1                                       |         |
| 3   | Band Saw 14"   | 1                  |                              | 1           | Star Trite                | 1969               | 1                                       |         |
| 4   | Disk Sender  |                    |                              |             |                           |                    |   |         |
| <b>Metrology Lab</b>                                  |  |                    |                              |             |                           |                    |   |         |
| 1   | Electrical Comparotor  | 0                  |                              |             |                           |                    | 2                                       |         |
| 2   | C.I Surface Palte  | 1                  | 1                            |             | China                     | 2013               | 2                                       |         |
| 3   | Glass Surface Plate  | 0                  |                              |             |                           |                    | 2                                       |         |
| <b>Machine Shop</b>                                   |  |                    |                              |             |                           |                    |   |         |
| 1   | Pillar Drill M/C   | 1                  | 1                            |             | Fobco                     | 1969               | 1                                       |         |
| 2   | Lathe Machine  | 16                 | 16                           |             | Passed                    | 1967               | 2                                       |         |
| 3   | Universal Milling M/c with all Standard Accessories                  | 1                  | 1                            |             | PAK-OERLIKOM              | 2001               | 1                                       |         |
| 4   | Vertical Milling M/c with all Standard Accessories                   | 1                  | 1                            |             | Bridge Bort               | 1970               | 1                                       |         |
| 5   | Vertical Differential Type Hobbing M/c with all Standard Accessories | 0                  |                              |             |                           |                    | 1                                       |         |
| 6   | Arbor Press  | 0                  |                              |             |                           |                    | 1                                       |         |
| <b>Metal</b>  |  |                    |                              |             |                           |                    |   |         |
| 1   | Power Hacksaw  | 0                  |                              |             |                           |                    | 1                                       |         |
| 2   | Foot Shear   |                    |                              |             |                           |                    | 1                                       |         |
| <b>Welding</b>  |  |                    |                              |             |                           |                    |   |         |
| 1   | Oxygen Gas Cylinder  | 3                  | 3                            |             | China                     | 1968               | 2                                       |         |
| 2   | Accetylane Gas Cylinder  | 2                  | 2                            |             | China                     | 1968               | 2                                       |         |
| 3   | Plasma Cutting Machine   | 0                  |                              |             |                           |                    | 1                                       |         |
| 4   | Seam Welding Machine   | 0                  |                              |             |                           |                    | 1                                       |         |
| 5   | Air Compressor   | 0                  |                              |             |                           |                    | 1                                       |         |
| 6   | Pre Heating Furnace ( Gas Fired)                                     | 0                  |                              |             |                           |                    | 1                                       |         |
| 7   | Accetylane Cylinder Regulator  | 2                  | 2                            |             | China                     | 2005               | 2                                       |         |
| 8   | Rectifier welding with DC Amper and DC Voltmeter                     | 0                  |                              |             |                           |                    | 1                                       |         |
| 9   | Tig welding Plant (Complete Set)                                     | 0                  |                              |             |                           |                    | 1                                       |         |
| 10  | Mig welding Plant (Complete Set)                                     | 0                  |                              |             |                           |                    | 1                                       |         |
| <b>Material Testing Lab</b>                           |  |                    |                              |             |                           |                    |   |         |
| 1   | Brinell Hardness Tester (200mm x140 mm)                              | 1                  |                              | 1           | OLSEN                     | 1968               | 1                                       |         |
| 2   | Rockweel Hardness Tester 200mm x 140mm                               | 1                  | 1                            |             | MARUTO                    | 1969               | 1                                       |         |
| 3   | Universal Testing M/C  | 1                  |                              | 1           | EMEC                      | 1969               | 1                                       |         |
| 4   | Pedestar Grinder   | 0                  |                              |             |                           |                    | 1                                       |         |
| 5   | Ultrasonic Testing Equipment   | 0                  |                              |             |                           |                    | 1                                       |         |
| 6   | Torsion Testing M/C  | 0                  |                              |             |                           |                    | 1                                       |         |
| 7   | Magnetic Practical Testing Equipment                                 | 0                  |                              |             |                           |                    | 1                                       |         |
| <b>Hydraulic Lab</b>                                  |  |                    |                              |             |                           |                    |   |         |
| 1   | Hydraulic Control Equipment set                                      | 0                  |                              |             |                           |                    | 1                                       |         |
| 2   | Piston Accumulator (( Transparent Model )                            | 0                  |                              |             |                           |                    | 1                                       |         |
| 3   | Bernoulli's Appratus   | 1                  |                              |             | Armfield                  | 1968               | 1                                       |         |
| <b>Heat Engine Lab</b>                                |  |                    |                              |             |                           |                    |   |         |
| 1   | Dead Weight Gauge Tester with Pressure Guage                         | 0                  |                              |             |                           |                    | 1                                       |         |
| 2   | Thermocouples ( Different Ranges)                                    | 0                  |                              |             |                           |                    | 1                                       |         |
| 3   | AC System Trainer ( Heating & Cooling)                               | 0                  |                              |             |                           |                    | 1                                       |         |
| <b>CAD / CAM Lab</b>                                  |  |                    |                              |             |                           |                    |   |         |
| 1   | 3D CAD Software ( Mould Design / Solid Modeling)                     | 0                  |                              |             |                           |                    | 50                                      |         |
| 2   | 3D CAM Software ( Milling, Turning, Turn )                           | 0                  |                              |             |                           |                    | 50                                      |         |
| 3   | Server System  | 0                  |                              |             |                           |                    | 1                                       |         |
| 4   | Multimedia Projector   | 1                  |                              | 1           |                           |                    | 1                                       |         |

| List of Machinery GCT Bahawalpur Mechanical Department |  |                    |                              |             |                             |                    |   |                |
|--|--|--------------------|------------------------------|-------------|-----------------------------|--------------------|---|----------------|
|  | Name of Machinery  | Existing Equipment | Status of Existing Equipment |             | Manufacturer's Company Name | Manufacturing Year | Quantity Required as per New Curriculum | Remarks If Any |
|  |  |                    | Working                      | Not Working |                             |                    |   |                |
| <b>METROLOGY LAB (30 X 24) Square Ft</b>               |  |                    |                              |             |                             |                    |   |                |
| 1  | Glass Surface Plate  | 0                  |                              |             |                             |                    | 1                                       |                |
| 2  | Gear Testing Machine   | 0                  |                              |             |                             |                    | 1                                       |                |
| 4  | Optical Flats  | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>Foundry Shop (28 x 45) Square Ft</b>                |  |                    |                              |             |                             |                    |   |                |
| 1  | SAND BLASTING MACHINE  | 0                  |                              |             |                             |                    | 1                                       |                |
| 2  | CLAY CONTENTS TESTER   | 0                  |                              |             |                             |                    | 1                                       |                |
| 3  | SAND STRENGTH TESTING MACHINE                                | 0                  |                              |             |                             |                    | 1                                       |                |
| 4  | CO2 MOLDING APPARATUS  | 0                  |                              |             |                             |                    | 1                                       |                |
| 5  | PEDESTAL GRINDING M/C  | 1                  |                              | Not working | IDA 50 Pak                  | 18-02-1969         | 1                                       |                |
| 6  | SQUEEZING&JOLTING MACHINE                                    | 0                  |                              |             |                             |                    | 1                                       |                |
| 7  | IGNITION POINT TESTING MACHINE                               | 0                  |                              |             |                             |                    | 1                                       |                |
| 8  | ROTARY AIR COMPRESSOR  | 0                  |                              |             |                             |                    | 1                                       |                |
| 9  | AIR COMPRESSOR TESTING MACHINE                               | 0                  |                              |             |                             |                    | 1                                       |                |
| 10   | GAS TURBINE TESTING MACHINE                                  | 0                  |                              |             |                             |                    | 1                                       |                |
| 11   | Reciprocating Air Compressor                                 | 1                  |                              | Not working | England                     | 16/3/1966          | 1                                       |                |
| 12   | Working Model of Gas Turbine ( Impulse & Reaction type)      | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>MATERIAL TESTING LAB (30 x 40) Square Ft</b>        |  |                    |                              |             |                             |                    |   |                |
| 1  | Rockwell Hardness Tester                                     | 1                  |                              | Not Working | Avery                       | 1962/8/12          | 1                                       |                |
| 2  | Universal Testing Machine                                    | 1                  |                              | Not Working | Avery                       | 29-11-1962         | 1                                       |                |
| 3  | Specimen Polishing Machine                                   | 1                  |                              | Not Working | I.D.A                       | 23-02-1970         | 1                                       |                |
| 4  | Torsion Testing Machine                                      | 1                  |                              | Not Working | Jinan China                 | 2005/11/3          | 1                                       |                |
| 5  | Specimen Cutoff Machine                                      | 0                  |                              |             |                             |                    | 1                                       |                |
| 6  | Pedestal Grinder   | 0                  |                              |             |                             |                    | 1                                       |                |
| 7  | Fatigue Testing Machine                                      | 0                  |                              |             |                             |                    | 1                                       |                |
| 8  | Quenching Bath   | 0                  |                              |             |                             |                    | 1                                       |                |
| 9  | Ultrasonic testing equipment                                 | 0                  |                              |             |                             |                    | 1                                       |                |
| 10   | Magnetic particle testing equipment                          | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>HYDRAULIC LAB (20 x 40) Square Ft</b>               |  |                    |                              |             |                             |                    |   |                |
| 1  | APPARATUS OF ENERGY LOSSES IN BENDS                          | 0                  |                              |             |                             |                    | 1                                       |                |
| 2  | PNEUMATIC CONTROL EQUIPMENT SET                              | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>CNC LAB within Material Testing lab</b>             |  |                    |                              |             |                             |                    |   |                |
| 1  | CNC Vertical Machining Center                                | 0                  |                              |             |                             |                    | 1                                       |                |
| 2  | CNC Turning Center   | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>CAD CAM LAB</b>                                     |  |                    |                              |             |                             |                    |   |                |
| 1  | Computer   | 0                  |                              |             |                             |                    | 50                                      |                |
| 2  | Server system  | 0                  |                              |             |                             |                    | 1                                       |                |
| 3  | Multimedia Projector   | 0                  |                              |             |                             |                    | 1                                       |                |
| 4  | Microsoft Windows Latest                                     | 0                  |                              |             |                             |                    | 50                                      |                |
| 5  | AutoCAD Software Latest                                      | 0                  |                              |             |                             |                    | 50                                      |                |
| <b>Welding Shop (30 x 40) Square Ft</b>                |  |                    |                              |             |                             |                    |   |                |
| 1  | PRE-HEATING FURNACE(GAS FIRED)                               | 0                  |                              |             |                             |                    | 1                                       |                |
| 2  | TIG WELDING MACHINE(350-400 AMP)                             | 0                  |                              |             |                             |                    | 1                                       |                |
| 3  | MIG WELDING MACHINE(250-350 AMP)                             | 0                  |                              |             |                             |                    | 1                                       |                |
| 4  | POWER SHEAR MACHINE 1000 mm x 8 mm CAPACITY                  | 0                  |                              |             |                             |                    | 1                                       |                |
| 5  | PLAZMA CUTTING MACHINE                                       | 0                  |                              |             |                             |                    | 1                                       |                |
| 6  | AIR COMPRESSOR (JAPAN)                                       | 0                  |                              |             |                             |                    | 1                                       |                |
| 7  | WELDING GENERATOR AC/ DC 350 AMP                             | 0                  |                              |             |                             |                    | 1                                       |                |
| <b>ADVANCE MACHINE SHOP (30 x 70) Square Ft</b>        |  |                    |                              |             |                             |                    |   |                |
| 1  | Lathe Machine with all standard accessories (size: 180mm)    | 2                  |                              |             | Peco                        | 25-06-1989         | 3                                       |                |
| 2  | Universal tool & cutter grinding machine with all standard a | 1                  |                              | Not working | AK Derlik                   | 14-06-1976         | 1                                       |                |
| 3  | Drilling machine with all standard accessories               | 0                  |                              |             |                             |                    | 1                                       |                |
| 4  | Pedestal Tool Grinder  | 2                  |                              | Not working | Al-Hilal                    | 25-02-1975         | 1                                       |                |
| 5  | Shaper with all standard accessories                         | 1                  |                              | Not working | ab Brother                  | 20-08-1975         | 1                                       |                |
| 6  | Power hacksaw with all standard accessories                  | 1                  |                              | Not working | Peco                        | 1975/11/12         | 1                                       |                |
| 7  | Cylindrical grinding with all standard accessories           | 1                  |                              | Not working |                             |                    | 1                                       |                |
| 8  | Surface grinding machine with all standard accessories       | 1                  |                              | Not working | IB Uk Origin                | 1981/1/12          | 1                                       |                |
| 9  | Universal tool & cutter grinding machine with all standard a | 1                  |                              | Not working | MS Pederse                  | 30-06-1982         | 1                                       |                |
| 10   | Vertical different type hobbing machine with all standard ac | 1                  |                              | Not working | China Origin                | 28-05-1983         | 1                                       |                |

添付資料 6-10：機材管理マニュアル（本編）



## Equipment Management Manual For New Equipment

Prepared By  
Government College of Technology -Faisalabad  
October 2019

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Preface

The new training equipment which installed in the mechanical department of the Government College of Technology Faisalabad (GCT-FSD) and GCT Railway Road (GCT-RR) is supported by Japan International Cooperation Agency (JICA) and Technical Education and Vocational Training Authority (TEVTA). These equipment is the outstanding technology that has been refined over the years by the industry.

On the other hand, it is also a reality that the safety of the above-mentioned equipment is impaired because the function of each part is deteriorated due to overuse for a long time and friction between parts, and etc.

Therefore, all of instructors or Management side need to learn how to operate and maintain it properly in order to make the most of the capabilities of the training equipment that is the product of the most advanced technologies.

The intention to make this management manual was to acquire knowledge of equipment management by uniting each teaching subject and the management system as a reference note. Besides, it is expected that this manual is utilized for the maintenance management of equipment at GCTs with necessary revision by each institute according to the contents of equipment and training of them.

Maami Tsuyuki  
 Equipment Management

List of Abbreviations

|       |   |
|-------|---|
| S S   | SEIRI, SEITON, SEIKETU, SEISOU, SHITSUKE              |
| AMRO  | Assistant Maintenance and Repair Officer              |
| CAD   | Computer Aided Design                                 |
| CNC   | Computer Numerical Control                            |
| FSD   | Faisalabad  |
| GCT   | Government College of Technology                      |
| IMC   | Institute Management Committee                        |
| JICA  | Japan International Cooperation Agency                |
| MRO   | Maintenance and Repair Officer                        |
| QCBS  | Quality and Cost Based Selection                      |
| RR    | Railway Road  |
| TEVTA | Technical Education and Vocational Training Authority |
| TQC   | Total Quality Control                                 |

Introduction

Equipment Management is an orderly and systematic approach of administrative, financial, and technical framework for assessing, planning, organizing, monitoring and evaluating maintenance and operation activities and their costs on a continual basis.

A good Equipment management system coupled with knowledgeable and capable maintenance and operation staff can prevent health and safety problems and environmental damage, yield longer asset life with lower breakdowns and downtime, and result in lower operating costs, higher productivity and profitability and a higher quality of life.

"Operation" is usually linked with "Equipment Management"; to put these terms in context, Operation is the performance of work or services and the provision of materials and energy to ensure the day-to-day proper functioning of an asset. And, maintenance which is an aspect of equipment management is the work performed on an asset to preserve it in as near to its original condition as is practical and to realize its normal life expectancy and prevent a device or component of asset from failing or to repair normal equipment degradation experienced with the operation of the device to keep it in proper working order.

Assets can never last forever and all plant & equipment has associated with it some predefined life expectancy or operational life.

This manual is helped to gaining a further understanding of importance of equipment management. By following the manual will improve the working capacity of the equipment. It will also help to reduce operational cost and improve the life of the equipment. This manual will help all the GCTs on the under TEVTA for effective maintenance.

Purpose and Targets of the manual

Purpose of the manual

The purpose of this manual is to establish and improve maintenance management system of newly installed training equipment at GCT-RR and GCT-FSD. (In the future, this manual helps to develop equipment management system at other GCTs)

Scope of the manual:

- Organization: GCT-RR and GCT-FSD
- Targets : Head of Department and Maintenance and Repair Officer (MRO)
- Equipment : Newly installed training equipment

## CHAPTER 1: Equipment Maintenance

### 1. Equipment Maintenance

#### 1.1 Aim of Maintenance

Maintenance is an important element of equipment management. Thus, understanding the maintenance will help to understand equipment management. Equipment management refers to efforts to plan, maintain, manage and improve various types of equipment. The reason why we do equipment management is common. It is "standardization of maintenance work" and "appropriate management of resources and assets". Equipment is an important resource which is constantly used for training. So, it must be kept at the best operating condition. Otherwise, there will be excessive downtime and also interruption of training. Poor working of equipment will lead to quality related problems. Moreover, it is an absolute necessity to maintain the equipment in good operating conditions with economical cost. Hence, we need an integrated approach to minimize the cost of maintenance. In certain cases, the equipment will be obsolete over a period of time. If the GCTs want to be in the same training quality, it has to take decision on whether to replace the equipment or to retain the old equipment by taking the cost of maintenance and operation into account.

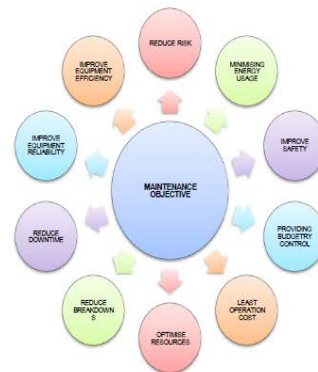


Figure 1-1 Objective of Maintenance Work

### 1.2 Basic Maintenance Procedures

Proper Maintenance is one of the important to insuring the stable working order of the training equipment. For the proper maintenance, it is necessary to create maintenance system in each GCTs with same standard.

The following section will explain basic maintenance procedures,

- I. A maintenance reference guide with details regarding the appropriate frequency and time intervals between inspections and part replacements should be created to assist with maintenance activities and smooth accident free operation.
- II. Create daily and monthly ledger, and fill in the information regarding maintenance inspection etc. Always make note of the condition of the equipment.
- III. Create a ledger to record detailed information on inspections, maintenance activities, repairs, and other problems for future reference.
- IV. Organize and store 1. Special tools used for repairs and maintenance and 2. Spare parts and consumables so they will be readily available if needed.

Regular inspection work with record on proper format is effective to prevent any accident from occurring

### 1.3 Basic Maintenance Work

The design life of most equipment requires periodic maintenance. Belts need adjustment, alignment needs to be maintained, proper lubrication on rotating equipment is required, and so on. In some cases, certain components need replacement, e.g., a wheel bearing on a motor vehicle, to ensure the main piece of equipment (in this case a car) last for its design life. Different approaches have been developed to know how maintenance can be performed to ensure equipment reaches or exceeds its design life. In addition to waiting for a piece of equipment to fail (reactive maintenance) the other approaches are preventive maintenance, predictive maintenance or ledger record.

## CHAPTER 2: Necessity of Equipment Management

### 2. Necessity of Equipment Management

#### 2.1 Efficient Equipment Management

Maintenance is required to keep the training equipment safe and secure. In addition, maintenance means not only maintenance of equipment but also maintenance of training productivity. Regular maintenance can prevent equipment failure and prevent fatal failure, and can also be used for a long time, which is also effective for economic.

#### 2.2 Economic Aspect

If the equipment suddenly breaks down, the training will stop. While the machine does not move, it is certain that you will receive a loss of training opportunities. Also, the longer the failure, the longer the maintenance and the higher the cost. However, constant maintenance can prevent failures. Since the economics can be maintained and improved by the failure prevention and efficient operation of training equipment, it can be said that it is economical in terms of time and cost to continue maintenance.

#### 2.3 Safety Aspect

Maintenance of the equipment leads to ensuring the safety of instructors and trainees. The training equipment is assembled with all parts, and by performing regular maintenance, it is possible to early detect parts that are likely to cause problems and avoid unexpected accidents and problems. It is needless to say that inspection based on a possible accident is also an important task of maintenance inspection, and from the viewpoint of safety maintenance, regular maintenance is necessary.

## CHAPTER 3: Types of Maintenance Work

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|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>Increased component life cycle.</li> <li>Energy savings.</li> <li>Reduced equipment or process failure.</li> </ul> | <ul style="list-style-type: none"> <li>Potential for incidental damage to components in conducting unneeded maintenance.</li> </ul> |
|---|---|

While preventive maintenance is not the optimum maintenance work, it does have several advantages over that of a purely reactive maintenance. By performing the preventive maintenance as the equipment designer envisioned, the equipment will be able to extend their life cycle and also it will be translating into cost savings. Preventive maintenance (lubrication, filter change, etc.) will generally run the equipment more efficiently. We will not prevent equipment catastrophic failures; however, we could be decreasing the number of failures. Minimizing failures translate into maintenance and capital cost savings. Therefore, it is strongly advised that each GCTs inspect training equipment once every two months as part of preventive maintenance.

### 3.2 Breakdown (Reactive) Maintenance

Breakdown maintenance is basically "use until failure" maintenance. No action is taken to maintain the equipment until it breaks. This failure maintenance is still a major maintenance. Maintenance costs are not incurred until it breaks down, so it can be considered that we can save money during this period. But in reality, it spends more money than another maintenance approach. We are spending more money associated with capital cost because, while waiting for the equipment to break, we are shortening the life of the equipment resulting in more frequent replacement. This is an increased cost we would not have experienced if our maintenance was more proactive.

The labor costs associated with repairs are likely to be higher than normal maintenance, because the failure is likely to require more extensive repairs than would be required if the piece of equipment had not been run to failure. If it is critical equipment to training that needs to be brought back working condition immediately, we will have to pay maintenance overtime costs. Equipment can be expected break down, requiring a large inventory of repair parts. This is a cost that can be minimized under different maintenance strategies.

| Advantages  | Disadvantage  |
|---|---|
| <ul style="list-style-type: none"> <li>Low cost investment for maintenance.</li> <li>Less maintenance staff is required.</li> </ul> | <ul style="list-style-type: none"> <li>Increased cost due to unplanned downtime of equipment.</li> <li>Increased labor cost, especially if overtime is</li> </ul> |

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### 3. Types of Maintenance Work

The types of maintenance management shown in the following image. Maintenance work is key for good equipment management. If the maintenance work is implemented properly, we could avoid unnecessary cost and interruption for training. Thus, understanding maintenance works and also developing management system at the department for smooth maintenance operations are important for equipment management.

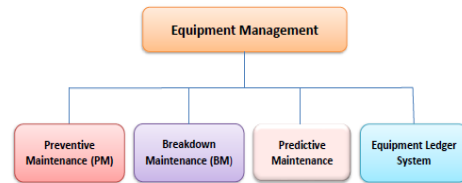


Figure 3-1 Types of Maintenance Works

#### 3.1. Preventive Maintenance

Preventive maintenance can be defined as, "Actions performed on a time or machine-run-based schedule that detect, preclude, or mitigate degradation of a component or system with the aim of sustaining or extending its useful life through controlling degradation to an acceptable level." Preventive maintenance is a means to increase the reliability of their equipment. By simply expending the necessary resources to conduct maintenance activities intended by the equipment designer, equipment life is extended and its reliability is increased. In addition to an increase in reliability, lot of amount will be saved over that of a program just using reactive maintenance.

| Advantages   | Disadvantages   |
|--|---|
| <ul style="list-style-type: none"> <li>Cost effective in many capital intensive processes.</li> <li>Flexibility allows for the adjustment of maintenance periodicity.</li> </ul> | <ul style="list-style-type: none"> <li>Catastrophic failures still likely to occur.</li> <li>Labor intensive.</li> <li>Includes performance of unneeded maintenance.</li> </ul> |

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|  |  |
|--|--|
|  | <ul style="list-style-type: none"> <li>needed.</li> <li>Cost involved with repair or replacement of equipment.</li> <li>Possible secondary equipment or process damage from equipment failure.</li> <li>Inefficient use of staff resources.</li> </ul> |
|--|--|

#### 3.3 Predictive Maintenance

Predictive maintenance can be defined as "Measurements that detect the onset of a degradation mechanism, thereby allowing causal stressors to be eliminated or controlled prior to any significant deterioration in the component physical state. Results indicate current and future functional capability".

Basically, predictive maintenance differs from preventive maintenance by basing maintenance need on the actual condition of the machine rather than on some preset schedule. Preventive maintenance is time-based. This is the fundamental difference between predictive maintenance and preventive maintenance, whereby predictive maintenance is used to define needed maintenance task based on quantified material/equipment condition.

There are many advantages of predictive maintenance. A well-orchestrated predictive maintenance will eliminate catastrophic equipment failures. Schedule of maintenance activities can be made to minimize or delete overtime cost. It is possible to minimize inventory and order parts, as required, well ahead of time to support the downstream maintenance needs and optimize the operation of the equipment, saving energy cost and increasing equipment reliability. Past studies have estimated that a properly functioning predictive maintenance program can provide a savings of 8% to 12% over a program utilizing preventive maintenance alone.

| Advantage   | Disadvantage  |
|---|---|
| <ul style="list-style-type: none"> <li>Increased component operational life/availability.</li> <li>Allows for pre-emptive corrective actions.</li> <li>Decrease in equipment or process downtime.</li> <li>Decrease in costs for parts and labor.</li> <li>Better product quality.</li> <li>Improved worker and environmental safety.</li> <li>Improved worker moral.</li> <li>Energy savings.</li> </ul> | <ul style="list-style-type: none"> <li>Increased investment in diagnostic equipment.</li> <li>Increased investment in staff training.</li> <li>Savings potential not readily seen by management.</li> </ul> |

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### 3.4. Equipment Ledger System

"What kind of condition is the equipment currently?" is the task of recording in the ledger.

The following information is mainly recorded;

|   |   |
|---|---|
| · Items related to equipment purchase :   | Purchase / contract date, introduction date, operation start date, purchase amount, maintenance amount, purchase / lease amount |
| · Items related to the equipment itself : | Manufacturer, model, product name, specifications, design document, location, operation line                                    |
| · Items related to maintenance :          | Regular maintenance status, school maintenance status, inspection date, inspector   |
| · Items related to failure / repair :     | date of failure, content of failure, provisional measures, content of repair, date of repair, parts used, repair price          |
| · Items related to the warranty period :  | Existence of warranty period for machines, warranty details   |
| · Items related to maintenance contract : | Maintenance contract for machine, contract contents   |

By managing various information as a ledger in this way, it is possible to take appropriate measures while checking the ledger when something goes wrong with the equipment. Therefore, it is important to record the ledger correctly every time the equipment is supported.

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## CHAPTER 4: Introducing equipment

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### 4. Caution when introducing equipment

#### 4.1. Selection of installation place

In order to operate equipment based on proper maintenance management, it is necessary to keep in mind the basics of equipment installation. Details of each point for equipment installation are described as follows.

- (1) Training equipment should have adequate space in the workshops and labs, and should have wiring and water lines that can smoothly transition the work flow.
- (2) If the floor surface of the installation place is unstable, there may be cases of troubles due to fall accidents, vibration or noise.
- (3) It should be checked if the ceiling or wall of the training place may be damaged and similar claims may be received. Furthermore, the environment of practice place may be deteriorated by the scattering of oil and waste materials.

Therefore, the training environment and equipment condition can be greatly improved by checking the installation environment before and after equipment operation on daily basis.

#### 4.2. Selection of Supplier

The point of choosing a supplier is "correspondence of the staff" "functionality of the equipment" and "after following". Among them, the most important thing is "after-following". After following is included follow-up maintenance during the warranty period of the equipment and after the warranty period. A good supplier would provide appropriate maintenance and advice, so it is important to choose supplier for extend products life and avoid serious damages.

#### 4.3 Equipment Maintenance through Service Agent

CNC Lab Machine and Auto CAD Lab Machine and others are maintained by the supplier one year under warranty period. soon after the completion of warranty period a good reputed company for service of equipment must be required. For this purpose the system at GCT-RR may be followed. When they have list some issue with the machine GCT can contact service agent or company for fixing the issue throw proper procedure. The contract term for maintenance work is for 3 to 4 years, and the service agent shall implement work under the following conditions:

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- The administration department of the college or the administrator creates a contract and executes a bid ceremony for a local service agent.
- The bidding ceremony will be conducted by the QCBS (Quality and Cost Based Selection) method, and the tender documents will be submitted in two envelopes method: a technical proposal and a price proposal.
- According to the bid evaluation criteria, bidders will be scored at least 80 on technical review and at least 20 on price review as full marks.

## CHAPTER 5: Development of Equipment Management system

### 5. Development of Equipment Management system

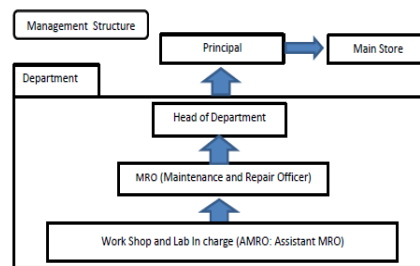


Figure 5-1 Equipment Management Structure

#### 5.1 Selection of MRO

In the above of the maintenance management, a request for maintenance work from the College regularly or occasionally provides information with a service agent on information such as the operation status of the equipment, repair, replacement of consumables, etc.

Then, based on this information, the person in charge needs to discuss each other regarding the content, timing, and cost burden of maintenance work.

In order for the equipment management at the College to fully understand the operation of the machine and to select the person in charge of teaching at the same time, the College regularly maintains the machine with the cooperation of the manufacturer or service agent.

Then, an environment where devices can be used without problems should be established. For this purpose, it is necessary for the MRO to regularly learn the maintenance procedures of the machine with the cooperation of the manufacturer or the service agent staff.

All responsibility for maintenance of the machine lies with the College principal. It is necessary to understand the purpose of maintenance management of the equipment, the contents of the equipment, the timing of maintenance, and the management budget measures, and to judge promptly.

Then, it is necessary for the service agent to properly handle the above-mentioned matters, obtain information on diagnosis of the machine operation, obtain regular or occasional information such as repair, replacement of consumables, etc., and deal with the issues.

Moreover, it is important to inspect equipment while recording in the ledger by MRO or AMRO regularly. It should be done once every two months to maintain in good training condition.

#### 5.2 Training for Technicians

The person in charge of the service agent is called a mechanic or a technician who has a good understanding of these facilities. In addition, it is necessary to exchange information with MRO and establish an excellent management system that can properly carry out maintenance management.

(1) A Maintenance Engineer (a mechanic or a technician) of the service agent needs to submit an individual's technical resume and technical certificate in a maintenance contract.

(2) The GCT can consult with the Institute Management Committee (IMC) or chamber of commerce to short list the service agency. Besides, training opportunities are provided with instructors through engineers who are familiar with maintenance and management.



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添付資料 6-11：マスタートレーニング / ToT 実施概要







MASTER TRAINING in September to November, 2017

| MT<br>or<br>ToT | Hours | Number of<br>Participants<br>from<br>GCT<br>FSD<br>GCT | Week, Day<br>/ Lecturer | 7th Week in Sept. |           |           |           |           |           |           | 1st Week in October |          |          |          |          |          |          | 2nd Week in October |           |           |           |           |           |           | 3rd Week in October |           |           |           |           |           |           | 4th Week in October |           |           |           |           |           |           | 6th Week in November |           |          |          |          |          |          | 7th Week in November |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-------|--|-------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|----------|----------|----------|----------|----------|----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|----------|----------|----------|----------|----------|----------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |       |  |                         | 25<br>Mon         | 26<br>Tue | 27<br>Wed | 28<br>Thu | 29<br>Fri | 30<br>Sat | 01<br>Sun | 2<br>Mon            | 3<br>Tue | 4<br>Wed | 5<br>Thu | 6<br>Fri | 7<br>Sat | 8<br>Sun | 9<br>Mon            | 10<br>Tue | 11<br>Wed | 12<br>Thu | 13<br>Fri | 14<br>Sat | 15<br>Sun | 16<br>Mon           | 17<br>Tue | 18<br>Wed | 19<br>Thu | 20<br>Fri | 21<br>Sat | 22<br>Sun | 23<br>Mon           | 24<br>Tue | 25<br>Wed | 26<br>Thu | 27<br>Fri | 28<br>Sat | 29<br>Sun | 30<br>Mon            | 31<br>Tue | 1<br>Wed | 2<br>Thu | 3<br>Fri | 4<br>Sat | 5<br>Sun | 6<br>Mon             | 7<br>Tue | 8<br>Wed | 9<br>Thu | 10<br>Fri | 11<br>Sat | 12<br>Sun | 13<br>Mon | 14<br>Tue | 15<br>Wed | 16<br>Thu | 17<br>Fri |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1               | MT    | 3  | 0                       | 18                |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2               | MT    | 24   | 1                       | 7                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3               | MT    | 18   | 1                       | 2                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4               | MT    | 12   | 0                       | 2                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5               | MT    | 18   | 1                       | 5                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6               | MT    | 18   | 1                       | 4                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7               | MT    | 15   | 1                       | 2                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8               | ToT   | 12   | 0                       | 3                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9               | MT    | 15   | 1                       | 2                 |           |           |           |           |           |           |                     | ○        |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10              | ToT   | 12   | 2                       | 2                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11              | MT    | 15   | 1                       | 2                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ToT   | 24   | 3                       | 3                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12              | MT    | 18   | 1                       | 3                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ToT   | 12   | 2                       | 4                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13              | MT    | 15   | 2                       | 2                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14              | MT    | 12   | 0                       | 2                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15              | MT    | 18   | 1                       | 3                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ToT   | 12   | 2                       | 5                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16              | MT    | 18   | 1                       | 3                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17              | MT    | 18   | 1                       | 4                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ToT   | 18   | 4                       | 4                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18              | MT    | 18   | 2                       | 3                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19              | -     | 3  | 3                       | 9                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20              | MT    | 3  | 3                       | 9                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21              | MT    | 3  | 3                       | 9                 |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | MT    | 279  |                         | 20                |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ToT   | 102  |                         | 20                |           |           |           |           |           |           |                     |          |          |          |          |          |          |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                     |           |           |           |           |           |           |                      |           |          |          |          |          |          |                      |          |          |          |           |           |           |           |           |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |







MASTER TRAINING in June, 2019

○ : attended by all     
  : not available

|      |              |      |               |      |               |
|------|--------------|------|---------------|------|---------------|
| AM 1 | 8:30 ~ 10:30 | AM 2 | 11:00 ~ 13:00 | PM 1 | 14:00 ~ 15:00 |
|------|--------------|------|---------------|------|---------------|

| Hour  | Venue   | June 13 (Thu)                            |      | June 14 (Fri) |               | June 15 (Sat)                            |      | June 17 (Mon) |      | June 18 (Tue)                            |      | June 19 (Wed) |      | June 20 (Thu)                            |      | June 21 (Fri) |      |
|-------|---|--|------|---------------|---------------|--|------|---------------|------|--|------|---------------|------|--|------|---------------|------|
|       |   | AM 1                                     | AM 2 | AM 1          | AM 2          | AM 1                                     | AM 2 | AM 1          | AM 2 | AM 1                                     | AM 2 | AM 1          | AM 2 | AM 1                                     | AM 2 | AM 1          | AM 2 |
|       |   | Number of Participants from GCT RR / FSD |      | Lecturer      |               | Number of Participants from GCT RR / FSD |      | Lecturer      |      | Number of Participants from GCT RR / FSD |      | Lecturer      |      | Number of Participants from GCT RR / FSD |      | Lecturer      |      |
| 1     | general briefing  | 4  | 19   | 15            |               |  |      |               |      |  |      |               |      |  |      |               |      |
| 2     | Workshop I (Basic machine shop)                           | 6  | 1    | 1             | Egr.NISHIHARA |  |      |               |      |  |      |               |      |  |      |               |      |
| 3     | Health Safety and Environment                             | 6  | 2    | 1             | Egr.SONODA    |  |      |               |      |  |      |               |      |  |      |               |      |
| 4     | Basic Engineering and Drawing - CAD I                     | 6  | 2    | 1             | Egr.KOWATARI  |  |      |               |      |  |      |               |      |  |      |               |      |
| 5     | Engineering and Drawing II                                | 4  | 1    | 1             | Egr.KOWATARI  |  |      |               |      |  |      |               |      |  |      |               |      |
| 6     | Workshop II (TIG/MIG, Plasma Cutting)                     | 6  | 1    | 1             | Egr.OYABU     |  |      |               |      |  |      |               |      |  |      |               |      |
| 7     | Metallurgy  | 4  | 1    | 1             | Egr.OYABU     |  |      |               |      |  |      |               |      |  |      |               |      |
| 8     | Metrology   | 6  | 1    | 1             | Egr.NISHIHARA |  |      |               |      |  |      |               |      |  |      |               |      |
| 9     | Hydraulics and Hydraulic Machines                         | 4  | 1    | 1             | Egr.ISHII     |  |      |               |      |  |      |               |      |  |      |               |      |
| 10    | Applied Thermodynamics                                    | 4  | 1    | 1             | Egr.ISHII     |  |      |               |      |  |      |               |      |  |      |               |      |
| 11    | Industrial Planning and Production Method                 | 4  | 1    | 1             | Egr.SONODA    |  |      |               |      |  |      |               |      |  |      |               |      |
| 12    | Machine Design  | 4  | 1    | 1             | Egr.ISHII     |  |      |               |      |  |      |               |      |  |      |               |      |
| 13    | Tool and Mold Design                                      | 4  | 1    | 1             | Egr.KOWATARI  |  |      |               |      |  |      |               |      |  |      |               |      |
| 14    | Material Testing and Heat Treatment                       | 6  | 1    | 2             | Egr.OYABU     |  |      |               |      |  |      |               |      |  |      |               |      |
| 15    | Workshop III (Machines, Tool Grinding)                    | 8  | 1    | 2             | Egr.NISHIHARA |  |      |               |      |  |      |               |      |  |      |               |      |
| 16    | CAD/CAM   | 6  | 2    | 1             | Egr.KOWATARI  |  |      |               |      |  |      |               |      |  |      |               |      |
| 17    | CNC Machines (Machining Center, Turning Center, Wire Cut) | 4  | 1    | 1             | Egr.NISHIHARA |  |      |               |      |  |      |               |      |  |      |               |      |
| Total |   | 86                                       | 38   | 33            |               |  |      |               |      |  |      |               |      |  |      |               |      |

Expert schedule:

on June 11 arrival to Lahore  
 on June 12 move to Faisalabad  
 on June 16 move to Lahore  
 on June 20 leave for Japan  
 on June 16 for Kuwaiti Expert  
 on June 19 10:30 for Kuwaiti Expert  
 on June 21 PM for Kuwaiti Expert  
 on June 21 for Kuwaiti Expert



Aug 24, 2019  
rev Sept 5, 2019 → marked as

rev. on Nov 4 → marked as  
rev. on Sept 20 → marked as  
rev. on Oct 13 → marked as

| No.  | Subject                                  | Japanese Expert | out come at 2 GCTs |     |                        | out come at GCT RR |         |                        | November 2019 at GCT RR      |                         |       |       |       |              |         |     |       |    |    |     |       |    |    |     |       |    |    |     |       |    |    |     |       |     |    |     |
|------|--|-----------------|--------------------|-----|------------------------|--------------------|---------|------------------------|------------------------------|-------------------------|-------|-------|-------|--------------|---------|-----|-------|----|----|-----|-------|----|----|-----|-------|----|----|-----|-------|----|----|-----|-------|-----|----|-----|
|      |  |                 | Hours              |     | Number of Participants | Hours              |         | Number of Participants | Instructor as Master-Trainer | Title of Training Topic | Venue | Hours | 4     |              | 5       |     | 6     |    | 7  |     | 9     |    | 11 |     | 12    |    | 13 |     | 14    |    | 16 |     |       |     |    |     |
|      |  |                 | MT                 | ToT | from GCT RR            | from GCT FSD       | to GCTs | MT                     |                              |                         |       |       | ToT   | from GCT FSD | to GCTs | AM  | PM    | AM | PM | AM  | PM    | AM | PM | AM  | PM    | AM | PM | AM  | PM    | AM | PM | AM  | PM    | Sat |    |     |
| 0.1  | Kick off meeting                         | -               | 2                  | 0   | 18                     | 17                 | 0       | 1                      | 18                           | -                       | -     | -     | -     | -            | -       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     |     |    |     |
| 0.2  | Training closing ceremony                | -               | 9                  | 9   | 1                      | 1                  | 11      | 5                      | 5                            | 1                       | 5     | -     | -     | -            | -       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     |     |    |     |
| 1    | Workshop I (Basic machine shop)          | Mr. Nishihara   | 5.5                | 5.5 | 1                      | 1                  | 12      | 3                      | 3                            | 1                       | 6     | 3     | 3     | 1            | 6       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   |    |     |
| 2    | Health Safety and Environment            | Mr. Sonoda      | 4.5                | 4.5 | 1                      | 1                  | 19      | 2                      | 2                            | 1                       | 10    | 2     | 2     | 1            | 10      | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 3    | Basic Engineering and Drawing - CAD I    | Mr. Kowatari    | 3                  | 3   | 1                      | 1                  | 10      | 3                      | 3                            | 1                       | 10    | 3     | 3     | 1            | 10      | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 3.1  | Basic Engineering and Drawing - CAD I    | Mr. Kowatari    | 3.5                | 3.5 | 1                      | 1                  | 11      | 1                      | 1                            | 1                       | 5     | 1     | 1     | 1            | 5       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 4    | Engineering and Drawing II               | Mr. Kowatari    | 12                 | 12  | 1                      | 1                  | 10      | 6                      | 6                            | 1                       | 5     | 6     | 6     | 1            | 5       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 5    | Workshop II (TIG/MIG, Plasma cutting)    | Mr. Oyabu       | 6                  | 6   | 1                      | 1                  | 13      | 4                      | 4                            | 1                       | 6     | 4     | 4     | 1            | 6       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 6    | Metalurgy                                | Mr. Oyabu       | 6.5                | 6.5 | 1                      | 1                  | 12      | 4                      | 4                            | 1                       | 6     | 4     | 4     | 1            | 6       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 7    | Metrology                                | Mr. Nishihara   | 6                  | 6   | 1                      | 1                  | 18      | 3                      | 3                            | 1                       | 9     | 3     | 3     | 1            | 9       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 8    | Hydraulics and Hydraulics Machine        | Mr. Ishii       | 6                  | 6   | 1                      | 1                  | 13      | 4                      | 4                            | 1                       | 6     | 4     | 4     | 1            | 6       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 9    | Applied Thermodynamics                   | Mr. Ishii       | 4.5                | 4.5 | 1                      | 1                  | 8       | 2                      | 2                            | 1                       | 4     | 2     | 2     | 1            | 4       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 10   | Industrial Planning & Production Methods | Mr. Sonoda      | 10                 | 10  | 1                      | 1                  | 10      | 5                      | 5                            | 1                       | 5     | 5     | 5     | 1            | 5       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 11   | Machine Design                           | Mr. Ishii       | 10                 | 10  | 1                      | 1                  | 14      | 5                      | 5                            | 1                       | 7     | 5     | 5     | 1            | 7       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 12   | Tool and Mould Design                    | Mr. Kowatari    | 7                  | 7   | 1                      | 1                  | 8       | 5                      | 5                            | 1                       | 5     | 5     | 5     | 1            | 5       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 13   | Material testing and heat treatment      | Mr. Oyabu       | 10                 | 10  | 1                      | 1                  | 5       | 4                      | 4                            | 1                       | 8     | 4     | 4     | 1            | 8       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 13.1 | Material testing and heat treatment      | Mr. Oyabu       | 9                  | 9   | 1                      | 1                  | 16      | 4                      | 4                            | 1                       | 8     | 4     | 4     | 1            | 8       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 14   | Workshop III (Machines, Tool Grinding)   | Mr. Nishihara   | 3                  | 3   | 1                      | 1                  | 8       | 5                      | 5                            | 1                       | 7     | 5     | 5     | 1            | 7       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 14.1 | Workshop III (Machines, Tool Grinding)   | Mr. Nishihara   | 7.5                | 7.5 | 1                      | 1                  | 13      | 5                      | 5                            | 1                       | 7     | 5     | 5     | 1            | 7       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 15   | CAD / CAM                                | Mr. Kowatari    | 5                  | 5   | 1                      | 1                  | 7       | 5                      | 5                            | 1                       | 7     | 5     | 5     | 1            | 7       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 15.1 | CAD / CAM                                | Mr. Kowatari    | 14                 | 14  | 1                      | 1                  | 15      | 10                     | 10                           | 1                       | 8     | 10    | 10    | 1            | 8       | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -  | -  | -   | -     | -   | -  |     |
| 16   | CNC Machines                             | Mr. Nishihara   | 142                | 142 | 18                     | 18                 | 233     | total                  | 142                          | 18                      | 18    | 233   | total | 18           | 18      | 233 | total | 18 | 18 | 233 | total | 18 | 18 | 233 | total | 18 | 18 | 233 | total | 18 | 18 | 233 | total | 18  | 18 | 233 |

rev. on Oct 13 ⇒ marked as

| No.  | Subject                                  | Japanese Expert |
|------|--|-----------------|
| 0.1  | Kick off meeting                         |                 |
| 0.2  | Training closing ceremony                |                 |
| 1    | Workshop I (Basic machine shop)          | Mr. Nishihara   |
| 2    | Health Safety and Environment            | Mr. Sonoda      |
| 3    | Basic Engineering and Drawing – CAD I    | Mr. Kowatari    |
| 3.1  | Basic Engineering and Drawing – CAD I    | Mr. Kowatari    |
| 4    | Engineering and Drawing II               | Mr. Kowatari    |
| 5    | Workshop II ( Tig/MIG, Plasma Cutting)   | Mr. Oyabu       |
| 6    | Metallurgy                               | Mr. Oyabu       |
| 7    | Metrology                                | Mr. Nishihara   |
| 8    | Hydraulics and Hydraulics Machine        | Mr. Ishii       |
| 9    | Applied Thermodynamics                   | Mr. Ishii       |
| 10   | Industrial Planning & Production Methods | Mr. Sonoda      |
| 11   | Machine Design                           | Mr. Ishii       |
| 12   | Tool and Mould Design                    | Mr. Kowatari    |
| 13   | Material testing and heat treat          | Mr. Oyabu       |
| 13.1 | Material testing and heat treat          | Mr. Oyabu       |
| 14   | Workshop III (Machines, Tool Grinding)   | Mr. Nishihara   |
| 14.1 | Workshop III (Machines, Tool Grinding)   | Mr. Nishihara   |
| 15   | CAD / CAM                                | Mr. Kowatari    |
| 15.1 | CAD / CAM                                | Mr. Kowatari    |
| 16   | CNC Machines                             | Mr. Nishihara   |

| out come at GCT FSD |    | Number of Participants |         |         |
|---------------------|----|------------------------|---------|---------|
| Hours               | MT | ToT                    | From    |         |
|                     |    |                        | GCT FSD | 11 GCTs |
| 1                   |    |                        | 17      |         |
| 4                   | 1  | 4                      | 1       | 6       |
| 2.5                 | 1  | 2.5                    | 1       | 6       |
| 2.5                 | 1  | 2.5                    | 1       | 9       |
|                     | -  |                        | -       |         |
| 2.5                 | 1  | 2.5                    | 1       | 6       |
| 6                   | 1  | 6                      | 1       | 5       |
| 2                   | 1  | 2                      | 1       | 7       |
| 2.5                 | 1  | 2.5                    | 1       | 6       |
| 3                   | 1  | 3                      | 1       | 9       |
| 2                   | 1  | 2                      | 1       | 7       |
| 2.5                 | 1  | 2.5                    | 1       | 4       |
| 5                   | 1  | 5                      | 1       | 5       |
| 5                   | 1  | 5                      | 1       | 7       |
| 2                   | 1  | 2                      | 1       | 3       |
| 10                  | 1  | 10                     | 1       | 5       |
| 5                   | 1  | 5                      | 1       | 8       |
| 3                   | 1  | 3                      | 1       | 8       |
| 2.5                 | 1  | 2.5                    | 1       | 6       |
| 4                   | -  |                        | -       |         |
| 4                   | 1  | 4                      | 1       | 7       |

|                              |  | November 2019 at GCT FSD               |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------|--|--|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Instructor as Master Trainer | Title of Training Topic  | Venue                                  | Hours  | 18 |    | 19 |    | 20 |    | 21 |    | 23 |    | 25 |    | 26 |    | 27 |    | 28 |    | 29 |    |
|                              |  |  |        | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM | AM | PM |
|                              |  |  | 1      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Saif Ullah               | Taper and Thread Cutting   | Advance Machine Shop                   | 4      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Nouman Sidique           | First Aid  | CAD/CAM Lab                            | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Altaf                    | Basic Dimensioning   | CAD/CAM Lab                            | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| -                            |  |  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Afif Tahir               | Parametric Drawing Tool  | CAD/CAM Lab                            | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhammad Abid            | "V" Groove Butt Joint in Flate Position in MAG Welding               | Welding Shop                           | 6      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Faiz Muhyuddin           | Blast Furnace  | Conference Room                        | 2      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhammad Azhar           | Sine Bar   | Material Testing Lab                   | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Noor Asif                | Bernoullis Theorem Practical (Venturi Meter)                         | Hydraulics Lab                         | 3      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Umair Mirza              | Practice of Steam Turbine or Steam Engine                            | Conference Room / Material Testing Lab | 2      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhammad Tahir           | KAIZEN (Continuous Improvement ) Focusing TOM                        | CNC Lab                                | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Adil Nawaz               | Study . Design and Draw the Cam Profile                              | Conference Room                        | 5      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhamnd Abbas            | Design Injection Moulding Die for mobile job on autodesk Inventor    | CAD/CAM Lab                            | 5      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhammad Alam            | Hardness Test by Rockwell, Hardness Test in Carbon Steel             | Material Testing Lab                   | 2      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhamnd Sarfraz          | Magnetic Particle Testing (MPT) yoke Method Using Simulated Specimen | Material Testing Lab                   | 2 days |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhamnd Arshad           | Index Method (For Gear Cutting on Universal Milling Machine)         | Advance Machine Shop                   | 5      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Muhamnd Shoaib           | Introduction to Hobbing Machine and Practice of Spur Gear Cutting    | Advance Machine Shop                   | 3      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Nouman Sidique           | Practice of teaching material creation                               | CAD/CAM Lab                            | 2.5    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| -                            |  |  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Mr. Wasif Ali                | Taper and Thread Cutting By Turning Centre                           | CNC Lab                                | 4      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

添付資料 6-12：マスタートレーナー認定書（サンプル）



**Certificate of Excellence**  
For  
**Master Trainer**



The Project for Strengthening DAE in Mechanical Technology  
at Government Colleges for Technology in Punjab Province

awarded to

November 28 2019

.....  
Chief Instructor, Mechanical Department  
Government College of Technology Samanabad, Faisalabad

.....  
**Noboru KAKISU**

Project Chief Advisor  
Japan International Cooperation Agency

.....  
**Akhtar Abbas Bharwana**

Chief Operating Officer / Project Director  
Technical Education & Vocational Training Authority  
Punjab



添付資料 6-13：産学連携の戦略と実施プロセス

With Annex 1, 2

**Strategies and Implementation Process of Industrial Linkage**

The Purpose of the Project for Strengthening DAE in Mechanical Technology at Government Colleges of Technology in Punjab Province in the Islamic Republic of Pakistan (the Project) is that institutional framework for providing quality education is strengthened at DAE Mechanical Technology of GCTs in the eastern part of Punjab Province.

To achieve the purpose, five (5) outputs are stipulated to be realized during the project period from February 2016 to January 2020, including Output 5 of 'Industrial Linkage is strengthened.'

This paper, Strategies and Implementation Process of Industrial Linkage, shows the way to realize the Output 5.

**1. The course of discussions so far**

- (1) Industrial Linkage Survey was implemented.
- (2) GCT RR reported the situation of industrial linkage at Working Group on 4 November 2016 with the opinion that the content of GCT RR's activities should be followed by other GCTs.
- (3) JPT reported result of the Industrial Linkage Survey including conclusion and recommendations as follows at Working Group on 4 November 2016.
  - (a) The importance of practical skills, especially new technology, and discipline and the challenges of sustainability.
  - (b) Implementation of the training management cycle, curriculum revisions, equipment procurement and master trainings & training of trainers.
  - (c) The enhancement of industrial linkage such as internship is in line with the industrial sector's expectation.
- (4) At the 2<sup>nd</sup> JCC on 17 April 2017, revision of the PDM and PO was decided. The present activities in the PDM are as follows.

5-1 Make consensus on strategies and implementation process of industrial linkage in the working group.

5-2 Improve Job Placement Service with proper funding at Province, District and GCT.

5-3 Maintain and regularly update student/graduate database of DAE Mechanical technology.

5-4 Sectorial Working Group consisting of TEVTA, industry, colleges for DAE Mechanical Departments is established in clustered GCTs.

5-5 Review the industrial linkage activities demonstrated by GCT RR.

5-6 Joint activities between the industry and DAE Mechanical Departments are carried out based on decisions of the Working Groups with reference to the result of the review (5-5).

5-7 Advertise improvement of the content and equipment of DAE Mechanical Technology through various media.

(5) At the WG on July 28 2017, the strategy and implementation process of industrial linkage was discussed and outline was approved.

**2. Strategies of Industrial Linkage**

- (1) The industrial linkage activities are implemented based on the consensus in the working group. (relate to 5-1)
- (2) Close relation with chambers of commerce and industry is to be constructed and maintained. (relate to all activities)
- (3) The case of GCT RR, including the joint activities between GCTs and industries, is applied to other GCTs, considering the size and market conditions of them. (relate to 5-5 and 5-6)
- (4) BOM of each district and IMC of each GCT are to be utilized. (relate to 5-4)
- (5) The content of job placement service at GCT RR is searched and transferred to other GCTs. (relate to 5-5 and 5-2)
- (6) The improvement of the content and equipment of DAE Mechanical Technology through various media. (relate to 5-7)

**3. Implementation Process of Industrial Linkage**

|                      | Items   | Present situations                                     |
|----------------------|---|--|
| 1 <sup>st</sup> step | Review the industrial linkage activities demonstrated by GCT RR. Industrial Linkage survey is done. | Done   |
| 2 <sup>nd</sup> step | Discuss with GCT/TEVTA/industries on industrial linkage.  | Done   |
| 3 <sup>rd</sup> step | Strategies and implementation process of industrial linkage in the working group.                   | On going   |
| 4 <sup>th</sup> step | Implement the strategies and activities.  | Some activities are being done as a business as usual. |

**4. Details of the activities**

There are seven (7) activities to be implemented to achieve the output of strengthening the industrial linkage.

- (1) Make consensus on strategies and implementation process of industrial linkage in the working group.

The WG discussed the strategy at the meetings of 4 November 2016 and 28 July 2017 and concludes at the meeting of 26 September 2017 with the approval of this paper.

- (2) Improve Job Placement Service with proper funding at Province, District, and GCT.

Job Placement Service is defined as all the activities of TEVTA/GCT for the job placement of graduates of Mechanical Technology of relevant GCTs. It includes all the industrial linkage activities.

TEVTA prepares TEVTA Portal Site for the database of placement and Skilled Labour Market Information System (SLMIS) that can be used individual graduates and industries for the job placement activities.

- (3) Maintain and regularly update student/graduate database of DAE Mechanical Technology.

Student/graduate database that should be maintained and updated is defined as that of students who graduated the relevant GCTs after the project started. The system of the database is fully established in the TEVTA PORTAL SITE. The comprehensiveness and integrity of data should be developed and maintained by the GCTs.

- (4) Sectorial Working Group consisting of TEVTA, Industry, colleges for DAE Mechanical Department is established in clustered GCTs.

For each GCT, Institute Management Committee (IMC) works as Sectorial Working Group. Principals of GCTs appoint the members of IMC, while keeping close contact with BOM. If there is no industrial integration around a GCT, such GCT can make cluster with other GCT that has an industrial integration around it.

- (5) Review the industrial linkage activities demonstrated by GCT RR.

This was done at the WG meeting on 4 November 2016, and the WG appreciated the activities and advised that other GCTs should follow this good example. GCT Faisalabad should implement all the activities presented but other GCTs should select activities that can be implemented considering the manpower, etc.

- (6) Joint activities between the industry and DAE Mechanical Departments are carried out based on decisions of the Working Groups with reference to the result of the review (5.5).

Based on the review at the WG on 4 November 2016, GCTs stipulate the plans of joint activities and explain them to the IMCs, as the Working Groups. GCT Faisalabad reestablished its IMC 20 September 2017 and will discuss the joint activities.

- (7) Advertise improvement of the contents and equipment of DAE Mechanical Technology through various media.

The contents and equipment of DAE Mechanical Technology has been advertised. Intensive advertisement is to be implemented after the installment of new equipment at GCT Faisalabad is done.

**5. Activities at GCT Faisalabad**

As decided at the WG on 4 November 2016, GCT Faisalabad is to follow the example of GCT RR. With the support by JICA Project Team, GCT Faisalabad copies, improves and adds the activities of GCT RR as necessary. GCT Faisalabad will implement the joint activities with industry based on the approval from its IMC.

**Annex**

- 1. Executive Summary of the Surveys
- 2. The Result of the Industrial Linkage Survey

**Annex-1**

**EXECUTIVE SUMMARY OF THE SURVEYS**

**Baseline survey: Training Needs Assessment (TNA) and Industrial Linkage Survey**  
**Introduction:**  
 Three surveys were done in the Project for Strengthening DAE in Mechanical Technology in Punjab Province in the Islamic Republic of Pakistan (hereinafter, "Project").  
 (1) Baseline Survey;  
 (2) Training Needs Assessment (hereinafter, "TNA")  
 (3) Industrial Linkage Survey  
**The method and the schedule of the survey is as follows.**  
 (1) Method: Questionnaire to 13 colleges (Baseline survey) and 202 enterprises (TNA and Industrial Linkage Survey).  
 (2) Schedule: Asked principals of 13 colleges on 10 March 2016. Then each college collected data from inside and enterprises around the college.  
 (3) The project team summarized, analyzed the data.  
**Data source:** (1) Colleges: 13 colleges that are the target of the Project  
 (2) Instructors: 196 instructors participated in the survey  
 (3) Enterprises: 202 enterprises participated in the survey.  
**Findings:**  
 The results show that the size of the colleges varies a lot. The annual budget varies from 14 million to 216 million PKR. Also, number of students is from 50 to 1,100. The ages and experience of instructors show some problem. 41% of the instructors are over 50 years old. 33% of the instructors have experience of 5 years or less. These data show that continuity of knowledge and skills is a big challenge. The self-evaluation of skills and knowledge of instructors shows that they think that their knowledge and skills is low on WEDM, Machining Center and CAD and high on Lathe and Metal Work Machining. The survey to the enterprises shows that enterprises want graduates with practical skills and discipline, and hope the curriculum of GCTs to be more practical, to be updated and to focus on discipline. The enterprises have interests in the relation with GCTs, 78% of the enterprises are willing to accept interns and 71% have the capability to accept.  
**Conclusion & Recommendations:**  
 The result of the surveys shows the importance of practical skills, especially new technology and discipline and the challenges of sustainability. These points of view are recommended in the training management cycle, curriculum revisions, equipment procurement and the master trainings and training of trainers. Also, the enhancement of industrial linkage such as internship is in line with the industrial sector's expectation.

**ANNEX 2**

**The Result of the Industrial Linkage Survey**

Industrial Linkage Survey was conducted as a part of the Project for Strengthening DAE in Mechanical Technology of Government Colleges of Technology in Punjab Province. Industrial Linkage Survey was conducted concurrently with Baseline Survey and Training Needs Assessment (TNA). The purpose of the survey is to know the thoughts of enterprises on the linkage between GCTs and enterprises.

**1. Outline of the survey**

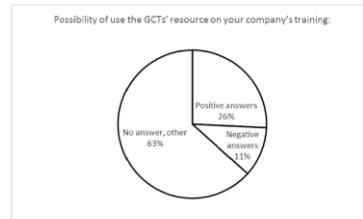
Data collection period: March-April 2016  
 Target: Companies selected by 13 GCTs  
 Method: Questionnaire survey conducted by GCT instructors  
 Number of answering companies: 202

The Project team asked the principals of 13 GCTs conducting questionnaire at the meeting on 10 March 2016 at TEVTA. The collected data was analyzed by the Project team.

**2. Data of the answers of the enterprises**

**(1) Possibility of use of the GCT's resource on the company's training.**

The figure below shows the result of the question of the possibility of use of the GCT's resource on the company's training. The Project team analyzed the answers and classified them into "positive", "negative" and "other".



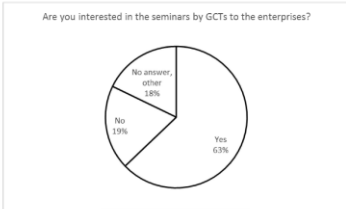
**(2) Intent to participate in the recruitment seminars**

The intent to participate in the recruitment seminars of GCTs is shown in the figure below. Almost half of the answers were "yes".

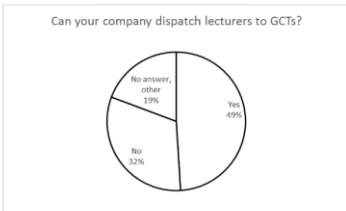


**(3) Interest of the enterprises in the seminars by GCTs**

The following figure shows the enterprises' interest in the seminar by GCT. 63% says that they are interested in the seminars.



**(4) Dispatch of lecturers to GCTs**



**(5) Capability to accept interns**

The figure below shows the capability of the enterprises to accept interns from GCTs.

3



**3. Written Answers**

**(1) Strong Points of GCT graduates**

[Practical skills in general]  
 Good understanding of different processes  
 Good skill level  
 Technical Skills  
 Due to skills, knowledge, M/C design, Workshop, Boiler  
 Good Technical Skills  
 Strong pick technical points  
 Well aware about machines  
 Practical knowledge  
 Drawing experience good  
 Practical  
 Problem Solving Skills

[Theory]  
 Theoretically strong  
 Strong in theory  
 Knows basics  
 Excellent related knowledge  
 Basic mechanical concept  
 Theory

4

Confident, well aware of theoretical knowledge  
 Theoretical knowledge  
 Confident, Strong Knowledge of theoretical knowledge  
 Good theoretical knowledge  
 Good theoretical knowledge  
 Theoretical knowledge

[General]  
 (a) Positive  
 Good  
 Better than private sector in theory practical.  
 Good technical, practical knowledge  
 Good Skills  
 Having good ability of work  
 We will evaluate them by their achievements, performance etc.  
 Found excellent  
 Average Students  
 They are best than others technical colleges  
 They know about the course  
 Better Graduates of GCTs are valued for Co.  
 Good Skills: Good Skills: Good Skills  
 Competent to work in industry

(b) Negative, other  
 Weak in practical  
 Should acquire more practical knowledge  
 Need more practical knowledge  
 More practical skill and knowledge  
 They have very less practical knowledge about precise gear cutting

[Attitude/Communication]  
 (a) Hard worker/Motivated  
 Devoted & hardworker  
 Keen to work in the field  
 Hardworking: Hard working: Hardworkers: Hard Workers  
 Motivated, Qualified: Motivated, Qualified: Motivated, Qualified: Motivated,

5

Qualified: Motivated, Qualified: Motivated, Qualified: Motivated, Qualified:  
 Motivated, Qualified: Motivated, Qualified  
 Motivated for Job  
 Energetic for work  
 Self motivated, Hard worker: Self motivated, Hardworkers  
 Good & Hardworkers

(b) Communication/Interpersonal skills, other  
 Inter personal skills  
 Good Communication  
 Good learners  
 Confident to work in industry  
 They adjust in the working environment quickly

[Other]  
 (a) Method of recruitment/Test for employment  
 Interview, CV, Obj.Test, Class Test,  
 Technical resource availability  
 By personal link and by Add.  
 Interviews, CV, OJT Test, Class Tests  
 Technical resource availability  
 Knowledge  
 Interview & Written Test  
 Written test + Interview Written test + Interview  
 Interview: By interview: Interview: Interview  
 Written test + Interview + Practical test  
 practical skill & interview  
 Interview & practical skills, Interview & practical skills  
 Practical trial & Interview  
 Courses should be match with industrial requirement  
 By interview and practical assessment  
 Courses must meet with industrial needs.  
 Courses would meet with industrial needs. Courses would meet with industrial needs.  
 Courses would meet with industrial needs  
 Technical skills & CGPA  
 Interview & % age

6

Interview & CGPA  
 Technical skills Interview & % age  
 Interview & % age: Interview & % age: Interview & % age: Interview & % age:  
 Interview & % age  
 By taking Internees, Check Confidence  
 Written Test: Written Test  
 Written Test: Interview, Practical Work in Dept  
 Job related skills  
 Interview, Job Skill: Interview, Job Skill: Interview, Job Skill  
 Test, Interview, Skill

(b) Training, other  
 On Job Training  
 Theoretical Training

**(2) Points necessary to improve**

[Specific skills]  
 (a) Computer  
 Computer Skill  
 Drawing, Software, Communication Skills  
 PLC Software Required

(b) CNC/Newest technology  
 CNC Machining operation  
 English, Practical Skill in CNC

(c) Specific industry  
 Practical knowledge above textiles should be increased.  
 Improvement required in plastic moulding.  
 Automobile, PLS Controls  
 English, Practical Skill in Fabrication  
 English, Drawing, Practical Skill in Heat Engine  
 English, Drawing, Practical Skill in Compressors

(d) Other

Confidence level should be improved+ skills regarding quality control should be improved.  
 Mathematical & Technical skills  
 Workshop skills to be improved  
 P/C & workshop related skills  
 Improvement required in maintenance.  
 GCT should train their students on practical M/C training.  
 They are nil about printing machines.  
 In future plane for ISO certification  
 Drawing reading  
 Drawing, Practical Skill in Machine Shop  
 English, Drawing, Practical Skill in Machine Shop: English, Drawing, Practical Skill in Machine Shop  
 English, Drawing, Practical Skill in Machine Shop  
 Practical skill/Deficiency of hand on training  
 Learning, Practical approach in CRICA  
 Electronic Control  
 Introduction of new Technology

[Attitude/Communication]  
 Moral values as a life monefesto should be improved.  
 Respect elders,  
 quality, safety awareness  
 Ethics should be improved  
 Comm skills, confidence, management skills  
 Presentation, Vocabulary  
 Communication skills: Communication Skills: Communication skills: Communication Skills: Communication skills  
 Lack of communication skills  
 Cooperative attitude  
 Need to improve communication skills & practical  
 Verbal Skills  
 Communication skills, Confidence level  
 Communication Skills, Personality development, Self confidence  
 Basic concepts + Confidence building + Preparation interview  
 Confidence level

Keen Interest and practical approach  
 Punctuality  
 Communication Problem  
 Communication Skills: Communication Skills: Communication Skill  
 Communication & Presentation: Communication & Presentation  
 Use of measuring tools  
 Communication & Presentation  
 Communication & Computer Skills

[Practical skills in general]  
 By practical work  
 Maximum practical  
 Practical skill of passout should be improved  
 Add practical  
 Practical  
 Poor practical knowledge  
 More practical work and awareness of new technology  
 New Technology awareness  
 More practical skill required  
 Low skill level+knowledge  
 They must have more practical knowledge.  
 Vast practical knowledge is needed.  
 Practical knowledge should improve.  
 Should train their students on practical.  
 Techniques of work  
 They are weak in their practical knowledge.  
 Practical Training  
 Practical Knowledge  
 Improve in practical work  
 Practical skill must be improved.  
 Proper practical skill: Proper practical skill: Proper practical skill  
 Strong pick technical points, Improve in practical work  
 Practical hand on experience  
 Skill Level  
 To enhance their skill  
 Practical Skill: Practical Skill

Practical Skills: Practical Skills: Practical Skills: Practical Skills: Practical Skills:  
 Practical Skills: Practical Skills: Practical Skills: Practical skills: Practical skills:  
 Practical skills: Practical skills: Practical skills: Practical skills  
 Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill: Skill  
 Improvement in practicals

[Theory]  
 Theory should be a point of more concern  
 Student skill level improvement need  
 Knowledge: Knowledge: Knowledge

[Strong points]  
 They have well practical knowledge.  
 Professional

[Other]  
 On the job practical training  
 Up to date courses & practices  
 Need to improve the industrial training of students  
 By written or viva  
 Revision of courses time to time  
 Courses should be match with industrial requirement.  
 Hands on training  
 On job training  
 Improvement of syllabus of technical courses  
 Better training of students in college  
 Practical work should be more  
 Provide maximum numbers Mechanics Technicians  
 Monthly visit to local Industries  
 weekly visits on nearest Industries  
 Monthly visit on nearest Industries

**(3) Opinion on curriculum**  
 [Practical skills in general]  
 Needs to be improved in workshop practice  
 Hand's on knowledge should be increased

Add more practical trainings to the students  
 Further qualified & skilled technicians  
 Needs to be aligned with industry requirements.  
 According to industry requirement

[Specific skills]  
 Repair & Maintenance  
 Improve CNC knowledge. Improve AUTO CAD  
 Add management subject+comm skills subject in course  
 Maintenance subject should be included  
 work management techniques should be included in curriculum  
 Need to add modern welding, fabrication subjects  
 Welding inspection technique should be included in GCT curriculum  
 Automation  
 Add Dying & Skochns as a new Subject  
 Less knowledge of energy consumption & environment  
 Must add knowledge about packages machines  
 Automation  
 Must add knowledge about automation.  
 Must add automation subject.  
 Must add knowledge about automation.  
 Automation, Safety  
 Engg. Drawing  
 Do refresher courses.

[Attitude/Communication]  
 Ethical values

[Internship/Visit to industry]  
 6 months internship, Labs standard should be improved  
 In house training

[Other]  
 You must teach in English.  
 Short courses should be improved.  
 The curriculum according to industrial level.

This course related to TEVTA program and according to industry.  
 Keep merit for admission.

[Update]  
 Good liaison should be there with USA & Japan for latest machinery & knowledge.  
 Should be revised and updated time to time.  
 Update knowledge.  
 Must be revised.  
 Should be technically more advanced.  
 According to current industry situation  
 Revision of courses according to industrial need.  
 Revision of courses time to time  
 Must be revised  
 Should be revised to latest technology.  
 The curriculum change time to time industry demand.  
 Must be revised.  
 Should be revised.  
 May be added Modern Technology  
 Curriculum should be improved & it should be advanced.  
 Should be updated according to market demand.

[General grading]  
 Need to upgrade  
 OK: OK: OK: OK: OK: OK: OK: OK: OK: OK: OK: OK: OK: OK  
 Curriculum is good  
 Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good:  
 Good: Good: Good: Good  
 Fullfill the requirement: Fullfill the requirement  
 Sufficient: Sufficient: Sufficient: Sufficient: Sufficient: Sufficient: Sufficient: Sufficient: Sufficient: Sufficient:  
 Sufficient: Sufficient: Sufficient  
 Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory:  
 Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory:  
 Satisfactory: Satisfactory  
 Very Good  
 Excellent: Excellent

**(4) Possibility to use the GCT's resource (Specific needs)**

Safety training for teachers  
 Punjab skill development fund program.  
 Lectures/ Refresher etc.

**(5) Impression**

[General grading]  
 Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good: Good:  
 Efficient  
 Outstanding  
 Excellent: Excellent: Excellent

[Impression on GCTs and their Graduates]  
 Punctual, competent, have broad knowledge of Technical & Management.  
 Good behavior.  
 Graduates from GCT are excellent in practical approach and very much productive in team work.  
 GCT needs improvement in advance technologies.  
 Pass out of GCT are more hardworking and skilled  
 GCT should regularly visit all industries to have knowledge of industrial requirements so that they can produce required industrial workforce who is competent and can play their role in country's progress.  
 Sweedish college is dignitly striving towards improvement of students.  
 We felt that quality of candidates is improving from time to time.  
 Good effort to develop a relationship between GCT's and industries.  
 It's a good way to liner industries with GCT's.  
 Industrial linkage is necessary for improving technical education.  
 It is a very good approach to link technical education with industry.  
 Satisfactory. Link up the act is to industries  
 It's a good way to link industries with GCT's.  
 Improvement of practical skills are required to meet the industrial needs.  
 Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory:  
 Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory: Satisfactory:  
 Satisfactory: Satisfactory  
 Industrial linkage is necessary for betterment.

It's a good way to make interaction b/w GCT's and industries.  
 Appreciate step to have good interaction b/w GCT's and industry.  
 GCT's are definitely playing important role for lettement.  
 Excited  
 Good: Good: Good: Good: Good

[Impression of the companies]  
 Young passout graduate of the GCT running his own workshop with the supervision of his father, having command over his technical side.  
 Very much cooperative and accomodative persons.  
 ANZ Engineering is a growing industry in automobile parts.  
 If hire our graduates these have a good opportunity to learn more and they can give better output.  
 Very relevant mechanical industry: Very relevant mechanical industry  
 Impression was good: Impression was good.  
 Cooperative: Cooperative: Cooperative: Cooperative: Cooperative  
 Best Cooperation: Best Cooperation: Best Cooperation: Best Cooperation: Best Cooperation  
 Mr. Awais has very good communication skills and I hope for his best future on his concerned field on behalf of my company.  
 Mr. Awais is a good & hardworker has a skilled and good behaviour and GCT's.  
 This survey plan a good source of relation with technical staff and companies.  
 For better future of students.  
 Train students on new technologies.  
 Industrial visits of colleges should be done regularly.  
 Managing director will cooperate to his best as he promised. Managing director will cooperate to his best as he promised. Managing director will cooperate to his best as he promised. Managing director will cooperate to his best as he promised. Managing director will cooperate to his best as he promised.  
 Chief executive will cooperate to his best as he promised.  
 Managing director will cooperate to his best as he promised.  
 Not interested in GCTS Graduates.

添付資料 6-14：産学連携レポート（RR校 2017年）



# Report of Career Day D.A.E. Mechanical Technology 2017

April 27, 2017

Government College of Technology, Railway Road, Lahore



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## INDUSTRIAL LINKAGE REPORT 2017

*2016-2017*

*Mechanical Technology*

GOVERNMENT  
COLLEGE OF TECHNOLOGY RAILWAY ROAD  
LAHORE

## Contents

1. Career Day Report
2. Internship Report
3. Skill Competition
4. Project Exhibition
5. Lecture Of Experts



## Chapter 1

### INTRODUCTION:

GCT Railway Road Lahore arranged a Career Day on 27<sup>th</sup> April 2017 for the final year students. It was a good exercise for providing a platform for the students to meet the industrialists and to get the job opportunity. In order to strengthen the linkage between industries and GCT RR, the following activities were exercised in order to get better results:

- Lectures from the Industrial Experts on different topics were arranged.
- Skill Competition was held among the students.
- Career Day for Mechanical Technology (3<sup>rd</sup> Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2<sup>nd</sup> year students.

To enhance the importance of career day and to make sure that students understand the meaning and importance of career day, this activity is very much necessary. It provides an opportunity for our students to meet with the representatives from a variety of industries and professionals.

Career day is beneficial for both i.e. industry and pass outs. Intellectual, skilled and brilliant pass outs can be selected by the industry which will be more valuable for the development of industry. On the other hand, it is also important that DAE (Mechanical) pass outs will be able to get job in an industry. Ultimately country will move up in technology and skill.

## Chapter 2

### PREPARATION REGARDING CAREER DAY:

#### PROJECT TEAM

The following project team for career day notified by the Principal GCT RR:

| Sr. No. | Name & Designation            | Nominated As         | Duty Assigned  |
|---------|-------------------------------|----------------------|--|
| 1.      | Amjad Elahi, Chief Instructor | Convener             | To organize and monitor the activities of career day                                 |
| 2.      | Razzaq Khan, Sr. Instructor   | Member               | To make list of industries and coordinate with industries                            |
| 3.      | Tanveer Iqbal, Sr. Instructor | Member               | To make arrangements regarding refreshment and lunch for the participants and guests |
| 4.      | Saeed Tahir, Instructor       | Member               | To make necessary arrangements for preparation of Faisal Hall                        |
| 5.      | Atif Attique, Instructor      | Member               | Coordinated with the industrial representatives to get their willingness             |
| 6.      | Tayyab Usman, Instructor      | Member               | Coordinated with the industrial representatives to get their willingness             |
| 7.      | Khalid Fareed, Instructor     | Member               | Coordinated with the industrial representatives to get their willingness             |
| 8.      | Akram Sarfraz, Instructor     | Member               | To make the flexes regarding career day  |
| 9.      | Umer Farooq, Instructor       | Member               | Collection of Students CV's and preparation of industries and students data lists    |
| 10.     | Sajid Ali, Instructor         | Member               | Collection of Students CV's and preparation of industries and students data lists    |
| 11.     | Tajammal Butt, Jr. Instructor | Internal Coordinator | To make necessary arrangements of Faisal Hall  |

### STUDENTS SELECTION

CV of final year students collected by the class respective and after that categorized them in to different groups so that different class students make a group. Fail students are not invited in the career day. Only those participants were invited who passed their 2<sup>nd</sup> year examination. From the nine sections of Mechanical Technology 300 students were invited.

### SELECTION OF INDUSTRIES

A list of industries prepared by the respective members and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Maximum industries accepted the invitation. Some industries appreciated this type of activity and requested to continue it in future.

Industries were divided according to their direction in to different pools as follows:

| Sr. No. | Pool Type | Area of Industry         | Invited Industries |
|---------|-----------|--------------------------|--------------------|
| 1       | A         | Shehikupura Road         | 09                 |
| 2       | B         | Daroghewala              | 06                 |
| 3       | C         | Multan Road              | 04                 |
| 4       | D         | Gajjomata, Ferozpur Road | 03                 |
| 5       | E         | Raiwind Road             | 05                 |

### INVITATION LETTERS

The invitation letters sent to the industries on 18<sup>th</sup> April, 2017 via post and email by convener Mr. Amjad Elahi and member Mr. Umer Farooq.

Followings industries were invited on the event being scheduled:

| Sr. No. | Name of Industries             | Address   | Area of Working              |
|---------|--------------------------------|---|------------------------------|
| 1.      | Metal Forming Pvt. Ltd.        | Ferozpur Road Near Bank Stop Lahore                       | Mechanical Fabrication       |
| 2.      | Stahlco Pvt. Ltd.              | Ferozpur Road Near Masjid-e-Ibrahim Lahore                | Automotive Parts             |
| 3.      | AJR Metal Fabricator           | 16-17 Km Lahore Shehikupura Road Misson Collar Sheikupura | Mechanical Fabrication       |
| 4.      | Power Vision System Pvt. Ltd.  | 16 Km Multan Road Pakaa Mile Shahpur Lahore               | Generators, Fabrication      |
| 5.      | Hi-TEK Manufacturing Pvt. Ltd. | Near Mominpura Telephone Exchange Daroghewala Lahore      | Mechanical Fabrication       |
| 6.      | Alpine Industrial Con Pvt Ltd  | 305/2 G.T. Road Baghbanpura Lahore                        | Automotive Parts             |
| 7.      | Stanley Industries             | 218 - B/6 Saidpur Multan Road Lahore                      | Automotive Parts             |
| 8.      | Al-Badr Engineering            | 18.k.m Shehikupura Road Lahore                            | Automotive Parts             |
| 9.      | RimTaj Industries Pvt. Ltd.    | opposite Mansoorah Multan Road Lahore                     | Manufacturing, Fabrication   |
| 10.     | Ravi Autos Pvt. Ltd.           | Shehikupura Road Lahore                                   | Automotive Parts             |
| 11.     | Infinity Engineering           | 13 Km Shehikupura Road Lahore                             | Auto Parts, CNC, Fabrication |
| 12.     | Mughal Steel                   | 17 km Sheikupura Road, Lahore                             | Steel product Manufacturing  |
| 13.     | Pakistan Spring Pvt. Ltd.      | Shehikupura Road, Shehikupura                             | Springs Manufacturing        |
| 14.     | New Asia Automobiles Pvt. Ltd. | 18.5 Km Shehikupura Road Lahore                           | Automotive                   |

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|     |                                   |  |                               |
|-----|-----------------------------------|--|-------------------------------|
| 15. | Fiber Tech Composites             | Canal Bank Hanif Park Harbanspura Lahore   | FRP products and equipment    |
| 16. | Happy Manufacturing Pvt. Ltd.     | Salamat Pura Stop G.T. Road Lahore   | Automotive Parts              |
| 17. | M.A Nawaz & Brothers              | 41-A Shalamar Link Road Mughalpurah Lahore                                       | Fabrication, Automotive part  |
| 18. | Super Asia Pvt. Ltd.              | 38-Km Nangla Stop G.T Road Muridkey District Sheikhpura                          | Automotive                    |
| 19. | Atlas Honda Ltd.                  | 26-27 Km LHR-SKP Road Shiekhupura  | Automotive                    |
| 20. | Coca Cola Pakistan                | 23 Km Raiwand Road Lahore  | Beverage industry             |
| 21. | QadBros Engineering Pvt. Ltd.     | 72-A Shareef Centre Commercial Area Lzmir Housing Society Canal Bank Road Lahore | Fabrication and manufacturing |
| 22. | Colgate-Palmolive (Pakistan) Ltd. | 217-Sundar Industrial Raiwand Lahore   | Personal care products        |
| 23. | N Star Corporation                | Alsiraj Park Str#2 Near Momanpura Exchange Daroghawala Lahore                    | Mechanical Fabrication        |
| 24. | Ohad Motor Pvt. Ltd.              | 10-Km Raiwand Road Near Bhotbhan Chowk (Rohi Nala) Lahore                        | Automotive                    |
| 25. | Omega Industries                  | 42-Km Ferzopur Road Opp. Wanda Darbar Luliyani District Kasur                    | Automotive                    |
| 26. | Hawks Engineering Works           | Plot No 9/C, Holiday Park, , 5.5 KM, Raiwind Road, Lahore                        | Automotive Parts              |
| 27. | Mecas Engineering Pvt. Ltd        | 1/2 Km Katar Bund Road,Thokar Niaz Baig  | Automotive Parts, CNC         |

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**JICA** Project for Development of Center of Excellence for Technical Education

The sample Invitation letter forwarded to industries is as follows:

**Subject: INVITATION FOR PARTICIPATION IN CAREER DAY**

Government College of Technology Railway Road Lahore would be pleased to inform you that we are organizing Career Day since last five years. The main purpose of this event is to introduce our skilled manpower and technical students with the industries.

As you know that GCT R.R Lahore has been recognized as one of the pioneer institute in the field of technology and providing skilled/trained strength to many industries.

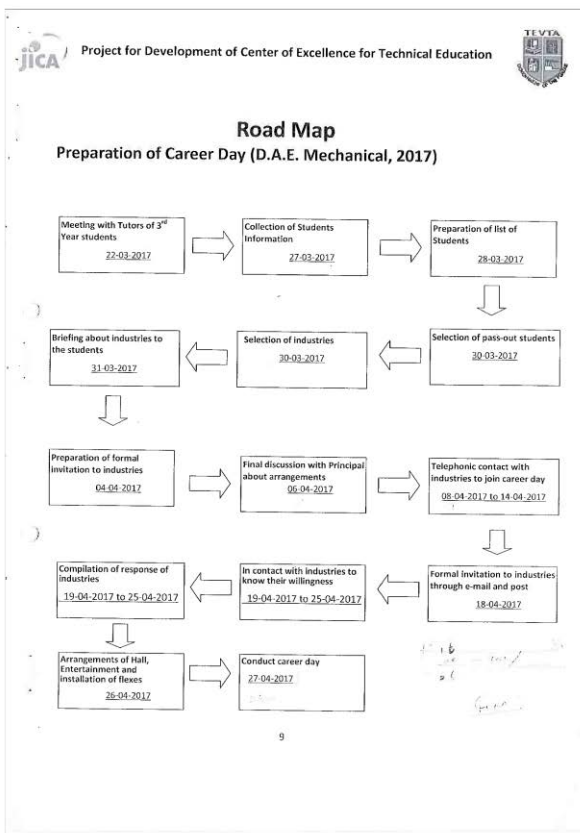
Since December 2008 JICA is continuously engaged with GCT R.R Lahore administration in developing center of excellence. JICA has also helped GCT R.R Lahore by revising curricula of Mechanical Technology, providing latest/upgraded machines and equipment having worth of millions along with providing training to our teaching staff locally and internationally. With continuous efforts of JICA students are able to get training on most modern/latest equipment in order to cope up with arising needs of the industries.

As we consider your organization one of the well-known industry and having a good worth in market. We feel pride to invite your representative on the **Career Day** which is going to be held on **27-04-2017** at Faisal Hall GCT R.R Lahore.

Kindly join us to conduct interview of Mechanical Technology students in order to evaluate them for placement in your industry. Career Day is the opportunity for industry to have interaction with skilled manpower, simultaneously opportunity for students to get awareness about the industry and help them to join well-known industries.

Engr. Tariq Mahmood  
Principal

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**JICA** Project for Development of Center of Excellence for Technical Education

#### ARRANGEMENTS OF FAISAL HALL

Almost 12 teachers and 5 staff attendants were mobilized for setting up 22 desks and chairs for students and industrial representative. Stall of each industry is separately prepared so that students can interact with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue are:

- Table and Chairs.
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants were requested to bring their Laptop and Advertising flex, Standaees for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.

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**Chapter 3**

**BRIEF OF PARTICIPATED INDUSTRIES**

List of participated industries along with their representative description is as follows:

| Sr. # | Name of industries                | Name of Representative with Designation   |
|-------|-----------------------------------|---|
| 1.    | QadBros Engineering Pvt. Ltd.     | Ghulam Yasin Gill (Incharge Production)<br>Mumtaz Ahmad (Incharge Training & Placement)   |
| 2.    | Colgate-Palmolive (Pakistan) Ltd. | Navid Ahmed (Manager HR)<br>Abid Ali (Sr. Manager Production)                             |
| 3.    | Ravi Autos Pvt. Ltd.              | Ghulam Rasool (Manager Production)<br>Bashir Ahmed (Manager Quality Assurance)            |
| 4.    | Infinity Engineering              | Ashiq Man (Assistant Manager)<br>Faizan Ali (Job Placement Officer)                       |
| 5.    | Hi-TEK Manufacturing Pvt. Ltd.    | Muhammad Awais (Mechanical Engineer)<br>Muhammad Nasir (Production Engineer)              |
| 6.    | Mughal Steel                      | Muhammad Irfan (Manager HR)<br>Muhammad Nasir (Assistant Manager HR)                      |
| 7.    | Stanley Industries                | Abdul Hameed (Plant Manager)  |
| 8.    | Ohad Motor Pvt. Ltd.              | Muhammad Shoab (Sr. Manager Technical)<br>Rizwan Ahmed (Manager HR)                       |
| 9.    | Omega Industries                  | Azhar Hussain (Plant Manager)<br>Sami-ullah (Quality Control Manager)                     |
| 10.   | Super Asia Pvt. Ltd.              | Zaigham Bilal (Manager Quality Control)   |
| 11.   | Mecas Engineering Pvt. Ltd.       | Ghufran Elahi (Deputy Manager Quality Assurance)  |
| 12.   | Metal Forming Pvt. Ltd.           | Malood Shahid (CEO)<br>Ahmed Nisar (Engineering Manager)                                  |
| 13.   | N Star Corporation                | Shouban Akhtar (Managing Director)  |
| 14.   | Power Vision System Pvt. Ltd.     | Muhammad Irfan Ali (Manager HR)<br>Muhammad Amjad Ali (Manager Quality Assurance)         |
| 15.   | AJR Metal Fabricator              | Hafiz Zahid Saifi (Assistant Manager P&P)   |
| 16.   | Happy Manufacturing Pvt. Ltd.     | Junaid Hassan (Manager Production)  |
| 17.   | PECS Industries                   | Ifkhar Ahmed (General Manager Technical)<br>Usman Zahid (General Manager Quality Control) |
| 18.   | Uppal Engineering                 | Fawad Uppal (Chief Executive)   |

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**Chapter 4**

**CONDUCT OF CAREER DAY:**

The career day program carried out on 27<sup>th</sup> April started at 09:30 AM with opening address and finished at 4:30 PM with thanking address of Principal. Totally 18-industries and 300 students of 3<sup>rd</sup> year D.A.E. mechanical participated in the career day. The program, participants and teachers engaged in are listed as follows.

**PROGRAM**

| Time     | Activity                 | By                                    |
|----------|--------------------------|---------------------------------------|
| 9:30 AM  | Reception of Guests      | Convener and Members of Career Day    |
| 9:40 AM  | Recitation of Holy Quran | Student (Mechanical Technology)       |
| 9:50 AM  | Naat Shareef             | Student (Mechanical Technology)       |
| 9:55 AM  | Welcome Address          | Convener (Career Day)                 |
| 10:00 AM | Start of Interviews      | Industrial Representatives and Tutors |
| 11:30 AM | Refreshment              | Refreshment Committee                 |
| 1:30 PM  | Lunch                    | Principal, GCT Railway Road           |
| 4:00 PM  | Closing/Thanking Address | Principal, GCT Railway Road           |

**STUDENTS PARTICIPATED**

|                                 |   |              |
|---------------------------------|---|--------------|
| Final Year Students (Year-2017) | Total 9 classes of Mechanical Technology    | 350 Students |
| Pass-out Students of college    | Mechanical Technology Pass outs (Year-2016) | 50 Students  |

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**Chapter 5**

**TEACHERS ENGAGED WITH INDUSTRIES**

The following respected teachers were engaged to assist the companies' representative regarding conduct of interviews of students.

| SR. NO. | NAME OF CO-ORDINATOR AND TUTOR | CLASS   | NAME OF INDUSTRIES   |
|---------|--------------------------------|---------|--|
| 1.      | SAJID ALI                      | D.M.1   | i. Colgate-Palmolive (Pakistan) Ltd.<br>ii. AJR Metal Fabricator       |
| 2.      | ATIF-ATTIQUE AND AZHAR MEHMOOD | D.M.2   | i. QadBros Engineering Pvt. Ltd.<br>ii. Hi-TEK Manufacturing Pvt. Ltd. |
| 3.      | MEHDI KHAN                     | D.M.3   | i. Infinity Engineering<br>ii. Stanley Industries                      |
| 4.      | AKRAM SARFRAZ                  | D.M.4   | i. Mughal Steel<br>ii. N-Star Corporation                              |
| 5.      | SAEED TAHIR                    | D.M.E.1 | i. Ravi Autos Pvt. Ltd.<br>ii. Metal Forming Pvt. Ltd.                 |
| 6.      | TAYYAB USMAN                   | D.M.E.2 | i. Uppal Engineering Pvt. Ltd.<br>ii. PECS Industries                  |
| 7.      | MUHAMMAD RAZZAQ                | D.M.E.3 | i. Super Asia<br>ii. Happy Manufacturing Pvt. Ltd.                     |
| 8.      | UMER FAROOQ                    | D.M.E.4 | i. Ohad Motors<br>ii. Omega Motors                                     |
| 9.      | KHALID FAREED                  | D.M.E.5 | i. MECAS Engineering<br>ii. Power Vision Pvt. Ltd.                     |

**CLOSURE**

At the end of the program the Principal pay special thanks to all guests. After that they were call for the tea. Students were already entertained by Biscuits and Juices.

13

**Chapter 5**

**FEEDBACK FROM THE INDUSTRIES**

Total eighteen industries visited GCT Railway Road for the career day. Session regarding feedback from the industries is carried out and the proceedings of the session are given below.

- AJR METAL FABRICATOR**
  - MS AJR Metal fabricator is satisfied with our career day program and said that it is a healthy activity through which students can easily approach to the industries.
  - They assure us to hire our students but it is still confidential.
  - Respondent of AJR Metal said, as we are belongs of this institution and we observed the standard of education is improved.
- QadBros Engineering Pvt Ltd**
  - MS QadBros Engineering Pvt Ltd is satisfied and they impressed with our career day activity.
  - Some students are found intelligent and they assure us to hire the students as per need.
  - They were satisfied with our new revised course and fulfill the modern needs of industries.
- METAL Forming Pvt Ltd**
  - They were satisfied with career day activity and appreciate the co-ordination of our college management.
  - List of students has been prepared who will work with them in future.
- Infinity Engineering**
  - MS Infinity Engineering are satisfied with our program and found our students to answer the entire question asked to them.
  - They assure to hire the students of our college and also send our students to other industries as per their industrial relations.
  - They appreciate our revised curriculum.
- Mughal steel Pvt Ltd**
  - MS Mughal steel Pvt Ltd appreciated and satisfied with our career day program.
  - They will hire our two to three students and will also refer to other industries.
  - They have small setup of CNC but they assure to train best our students at their end.

14

- 6) **Ravi Autos Pvt Ltd**
  - MS Ravi Autos Pvt Ltd appreciated and satisfied with our career day program and advice, it should be mandatory.
  - They found our students up to the mark to become a part of their organization and assure to hire our students as per need.
- 7) **MECAS ENGINEERING**
  - MS MECAS Engineering satisfied with this activity but it should be more comfortable.
  - They assure to hire our students but it is confidential due to policy matter.
  - They found students to well answer the questions and know how to appear in front of interviewer.
- 8) **HI-TECH MANUFACTURING**
  - MS HI-Tech good to see the technical stream also motivated to their student.
  - They assure to hire our three students for their organization but could not told due to company policy
  - Students were efficient and fully prepared for interview in terms of their educational competencies and in terms of behavior.
- 9) **Ohad Motors Pvt Ltd**
  - MS Ohad Motors Pvt Ltd appreciated this career day activity and said it is a best way to give jobs to the students and it is easy to find the good employee for students.
  - They have new setup not only in Pakistan but in seven other countries in world and required lot of student for their organization and assure to hire in bulk quantity.
- 10) **COLGATE PALMOLIVE**
  - MS Colgate Palmolive was satisfied with our career day activity and advice to improve more for the next time.
  - They assure to hire students in bulk quantity for their organization but after passing out their final examination.

Chapter 6

PHOTO GALLERY



Colgate Palmolive Pakistan Representatives taking interview of student



Qadbro Pvt. Ltd. Representatives taking interview of student



Infinity Engineering Pvt. Ltd Representatives taking interview of student



Hi-Tek Pvt. Ltd. Representatives taking interview of student



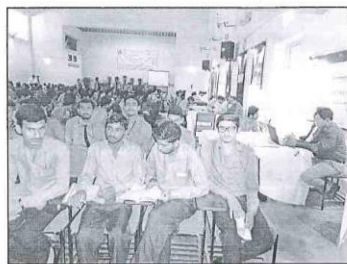
Ohad Motors Pvt. Ltd. Representatives taking interview of student



Ravi Autos Pvt. Ltd. Representatives taking interview of student



Students Participated in Career Day



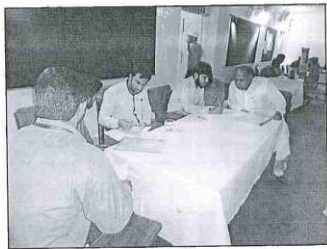
Students Participated in Career Day



Power Vision Pvt. Ltd. Representatives taking interview of student



Mughal Steel Representatives taking interview of student



Super Asia Pvt. Ltd. Representatives taking interview of student



Metal Forming Pvt. Ltd. Representatives along with Razzaq Khan



Uppal Engineering Pvt. Ltd. Representatives taking interview of student



Amjad Elahi (Incharge Career Section) exchanging views with MECAS Engineering Representatives



Amjad Elahi (Incharge Career Section) exchanging views with Ravi Autos Representatives



Amjad Elahi (Incharge Career Section) exchanging views with Colgate Palmolive Representatives



Career Section Team Atif Attique, Amjad Elahi (Incharge) and Umer Farooq



Usman Tufail (JICA Coordinator) with Amjad Elahi (Incharge)



Amjad Elahi (Incharge Career Section) Getting Feed Back From Industrial Representatives



Tea and Closing of Ceremony

# INTERNSHIP TRAINING REPORT

2017

## MECHANICAL TECHNOLOGY



Government college of Technology Railway road Lahore

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- 2) REQUEST LETTER TO INDUSTRIES FOR INTERNSHIP
- 3) PERMISSION FOR NOMINATION FROM INDUSTRIES  
(SAMPLES)
- 4) CONSOLIDATED DATA INTERNSHIP PROGRAMME 2017
- 5) NOMINATION OF CANDIDATES  
(SAMPLES)
- 6) FOLLOWUP INDUSTRIAL VISITS BY TEACHER
- 7) CERTIFICATES OF PARTICIPATION FROM INDUSTRIES  
(SAMPLES)
- 8) STUDENT,S TRAINING REPORTS  
(SAMPLES)
- 9)NOMINATION WORKSHOP SNAPS

## INTERNSHIP PROGRAMME

~~2016-17~~  
2017

 Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: gectlahore@yahoo.com  
  
Government college of Technology Railway Road Lahore

### Internship Training program 2017

For

2<sup>nd</sup> Year Mechanical Technology

10-07-2017 to 22-07-2017

Selection Criteria =  $\frac{1^{st} \text{ year result \% age} + 2^{nd} \text{ year attendance \%age}}{2}$

|                                      |                            |
|--------------------------------------|----------------------------|
| Nomination of student                | 2 <sup>nd</sup> year = 135 |
| Orientation Workshop                 | 24-04-17 at 1.00 p.m       |
| Receiving of Application             | 28-04-17                   |
| Scrutiny of Application              | 29-04-17                   |
| Nomination of student for interaship | 14-5-17                    |
| Contact/ visit to industries         | 18-05-17                   |
| Delivery of Nomination letters       | 07-07-17                   |
| Duration of internship               | 10-07-17 to 22-07-17       |
| Follow up visits                     | 11-07-17 to 21-07-17       |
| Feedback From industry               | 29-07-17                   |

(Coordinator internship Program)

(Head of Deptt.)

## REQUEST LETTER TO INDUSTRIES FOR INTERNSHIP



Government of Punjab  
 Technical Education & Vocational Training Authority  
 GOVT. COLLEGE OF TECHNOLOGY  
 RAILWAY ROAD, LAHORE.  
 Email: gct1lahore@yahoo.com



No.GCT/LHR/2017/2481

Dated Lahore, the 15/04/2017

**REQUEST FOR INTERNSHIP**

Dear Sir,

Govt. of Pakistan vision 2030 which aims at facilitating industrialization and accelerating economic growth by the year 2030. National Vocational and Technical Training Commission (NAVTTTC) and Technical Education & Vocational Training Authority (TEVTA) Punjab Jointly selected Government College of Technology Railway Road Lahore, which has been developed as a Centre of Excellence in Mechanical and Architecture Technologies. Five years project for the development of Centre of Excellence for Technical Education was started in December 2008 and successfully completed in December 2013 under assistance of Japan International Cooperation Agency (JICA)

Under the revised curriculum, the 2<sup>nd</sup> year students need "internship" to gain industrial experience in their field of interest. In this regard, I would much appreciate if your company may accept a group of 5-10 students of 2<sup>nd</sup> year Mechanical Technology as "internees" for two weeks internship training w.e.f. 10.07.2017 to 22.07.2017.

Your kind and best attention to this important national cause will be highly appreciated.

Best regards

*Engr. Tariq Mehmood*  
 Engr. Tariq Mehmood  
 Principal  
 Govt. College of Technology  
 Railway Road Lahore

**PERMISSION FOR  
 NOMINATION FROM  
 INDUSTRIES**



Government of Punjab  
 Technical Education & Vocational Training Authority  
 GOVT. COLLEGE OF TECHNOLOGY  
 RAILWAY ROAD, LAHORE.  
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Your kind and best attention to this important national cause will be highly appreciated.

Best regards

*Allow 8 students  
 for Internship.  
 M.A. Nawaz & Bros.  
 24/5/17*

*Engr. Tariq Mehmood*  
 Engr. Tariq Mehmood  
 Principal  
 Govt. College of Technology  
 Railway Road Lahore



Government of Punjab  
 Technical Education & Vocational Training Authority  
 GOVT. COLLEGE OF TECHNOLOGY  
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Your kind and best attention to this important national cause will be highly appreciated.

Best regards

*6 students  
 allowed  
 27/4/17  
 Ravi Autos.*

*Engr. Tariq Mehmood*  
 Engr. Tariq Mehmood  
 Principal  
 Govt. College of Technology  
 Railway Road Lahore





Government of Punjab  
Technical Education & Vocational Training Authority  
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Your kind and best attention to this important national cause will be highly appreciated.

*Allowed (5) five Students for training  
27/04/17  
Steady Industries*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
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*6 Student  
A  
(Awaiz Noor)  
Hi-TEK Manufacturing*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
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*Allow for 10-15 Students  
SIR. Engr. (Pvt) Limited  
BT ⇒ Covid-19 Industrial Estate Not Allowed LHR*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore



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Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
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*Allowed Seven Students*

*FOR UNITED TECHNICAL CORPORATION  
22/05/2017*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
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*Allowed @ Students.  
Mehmood  
Engr. Tariq Mehmood  
Govt. College of Technology  
Railway Road Lahore*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
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Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore

*3 trainees for  
Internship approved  
W.M.  
M/s Attech Corporation  
Plot # 6C M.S. Road Durgamwala  
Lahore.*



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
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*Allow @ Students for Internship  
Training w.e.f 10-07-17  
Engr. Tariq Mehmood  
Agriculture Engg. Works  
Muzilpur.*

Best regards

*Mehmood*  
Engr. Tariq Mehmood  
Principal  
Govt. College of Technology  
Railway Road Lahore

**Microtex Engineering Company**

Manufacturer, Contractor & General Order Suppliers



The Principal  
Govt. Technical College  
Railway Road Lahore.

18<sup>th</sup> May 2017

Subject: **INTERNSHIP**

Dear Sir,

We at Microtex Engineering Company are offering internship programme. We need students from your institute who are willing to work in our following mechanical setup.

- CNC milling machines
- CNC wirecut machines
- Conventional milling machines
- Conventional lathe machines
- Shaper machines
- Gear Hobbing
- Fabrication shop.

We are hopeful that you will consider and cooperate with us for mutual benefit.

Many thanks in advance.

On behalf of Microtex Engg. Co.



Head Office: 85-A, Railway Road, Lahore-54000, Pakistan  
Tel: +92 (42) 37220024 Web Site: www.microtex-engg.com

Factory: Plot # 627, Sundar Industrial Estate Lahore-53801, Pakistan  
Tel: +92 (42) 35297414 Email: info@microtex-engg.com



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: get@latior@vtaheo.com



No.GC7/LHR/2017/2481

Dated Lahore, the 15/04/2017

### REQUEST FOR INTERNSHIP

Dear Sir,

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Your kind and best attention to this important national cause will be highly appreciated.

*Allowed 03 students*

Best regards

*Engr. Tariq Mehmood*  
Principal  
Govt. College of Technology  
Railway Road Lahore

*Soi Ahmad Fabricate*  
**Ahmad Engineering Fabricate**  
68-C, Chah Sard Bagh, Out Side Sary Sultan  
Old Ittfaq Foundry Lahore  
Ph: 042-37661421-0323-4263755

## CONSOLIDATED DATA

## INTERNSHIP PROGRAMME

2017

### CONSOLIDATED DATA OF INTERNSHIP TRAINING PROGRAM 2017

w.e.f. 10-07-17 to 22-07-17

2<sup>nd</sup> year Mechanical Technology

| Sr. No. | Name of Industry   | Name of Trainees   |
|---------|--|--|
| 1.      | Engr. Imran ulhasan (03032593619)<br>HI-TEK Manufacturing private LTD.<br>Near mominpura telephone exchange, Daroghewala, Lahore | 1. Danish Ali 15-518 SM-2 (Group Leader) Contact # 0323-4680067<br>2. Arslan Saleem 15-515 SM-2<br>3. Ali Raza 15-511 SM-2<br>4. Waris Ali 15-616 SM-3<br>5. Ali Hamza 15-629 SM-3<br>6. Ali Akbar 15-1413 SME-1<br>7. Suleman Zahoor 15-1508 SME-2<br>8. Muhammad Asim 15-1843 SME-5                          |
| 2.      | Mr. Umar Mayo (Director) 0300-8011411<br>Happy Manufacturing private LTD.<br>Daroghe Wala Salamatpura stop LHR.                  | 1. Malik Muhammad Ahmed Awan 15-411 SM-1 (Group Leader) Contact#0333-4531638<br>2. Husnain Naseer 15-404-SM-1<br>3. Muhammad Muzamil 15-618 SM-3<br>4. M. Umair 15-1745<br>5. M. Zaeem Javed 15-1740 SME-4<br>6. M. Saad 15-1723   |
| 3.      | Muneer Ahmad-03004211290 (Manager Production)<br>United Techno Corporation-1<br>Sarai sultan shaheed(gunj) Lahore                | 1. Muhammad Usama 15-1509 SME-2 (Group Leader) Contact#0347-0713825<br>2. Shahzaib Ismail 15-509 SM-2<br>3. Usama Shoab 15-1415 SME-1<br>4. H.M. Umair Siddique 15-1425 SME-1<br>5. H. Ahmad 15-1727 SME-4<br>6. Noor ul Huda 15-1434 SME-1<br>7. Muhammad Asad 15-1539 SME-2<br>8. Iltisham Ali 15-1550 SME-2 |
| 4.      | Mr. Ifthikhar (03064561696)<br>Production Manager.<br>Fibertech composites<br>Canal Bank Hanif Park Harbanspura, Lahore          | 1. Sheraz Arif 15-523 SM-2 (Group Leader) Contact# 0323-4980636<br>2. Ahmed Naseer 15-1831 SME-5<br>3. Muhammad Bilal 15-1603 SME-3<br>4. Arslan Khan 15-1504 SME-2<br>5. Ali Asad 15-1649 SME-3<br>6. M. Tahoor Shakir 15-1636 SME-3  |
| 5.      | Mr. Muhammad Younus<br>Director:<br>(03008440562)<br>Inter-Fab<br>01- km sagian Road Mehmood booti Interchange Ring Road Lahore. | 1. Mohsan Shahzad 15-1442 SME-1 (Group Leader) Contact#0322-9292361<br>2. Ameer Hamza 15-1404 SME-1<br>3. M. Ahmad Amjad 15-1601 SME-3<br>4. Sajjad Ali 15-1711 SME-4  |

|     |  |  |
|-----|--|--|
|     |  | 5. Ubaid Chohan 15-1728 SME-4  |
| 6.  | Mr. Sajid Ashfaq Jathol Manager Works (0303-4389793)<br>Rimta Industries RG (Pvt) Limited.<br>Opp. Mansoorah Multan road Lahore.                                     | 1. M. Pervaiz 15-424 SM-1 (Group Leader) Contact# 0307-6049042<br>2. Mubeen Sighat ulah 15-1631 SME-3<br>3. M. Janshaid 15-1621 SME-3<br>4. Ali Asghar 15-1716 SME-4<br>5. Fayyaz Raheem 15-1808 SME-5   |
| 7.  | Mr. Safdar Javid Managing Partner (03454375761)<br>Sadig And Sons Tube Well Industries<br>Outside Sheranwala Gate Lahore.  | 1. M. Mubashar 15-1707 SME-4 (Group Leader) Contact#0342-4763947<br>2. Usama Qureshi 15-633 SM-3<br>3. Ahmad Nadeem 15-613 SM-3<br>4. M. Irfan 15-713 SM-4<br>5. Ashir Mehmood 15-722 SM-4<br>6. M. Ahmed Raza 15-444 SM-1<br>7. Shafiq Hussain 15-1706 SME-4  |
| 8.  | Mr. Rashid Rasheed (Director Operation) 03444449595<br>Micro Tech Engineering Services<br>18km-GT road kala shah kaku, haleem pura opposite Ittehad Chemicals Lahore | 1. Ammar Naveed 15-624 SM-3 (Group Leader) Contact# 0307-7299169<br>2. Aziz ur Rehman 15-1525 SME-2<br>3. Fazal ur Rehman 15-1725 SME-4<br>4. M. Shabbir 15-1537 SME-2<br>5. M. Zaid ul Khair 15-1720 SME-4<br>6. Nafees-ul-hassain 15-1812 SME-5              |
| 9.  | M.A. Nawaz & Brothers<br>41-A Shalamar Link road Mughalpara Lahore   | 1. Hamza 15-414 SM-1 (Group Leader) Contact# 0323-4738237<br>2. M. Bilal Shafaqat 15-408 SM-1<br>3. Talha Nadeem 15-405 SM-1<br>4. Waleed Bin Nasir 15-620 SM-3<br>5. Fahad Naseer 15-619 SM-3<br>6. Yousof Waheed 15-1849 SME-5<br>7. M. Naveed 15-1848 SME-5 |
| 10. | Mr. Shaban Akhtar G.M.<br>04236548825 Mr. Shaban Akhtar G.M. 04236548825<br>N Star Corporation<br>Abiraj Park st#2 near momanpura Exchange, Daroghewala Lahore       | 1. Usman Ali 15-1448 SME-1 (Group Leader) Contact# 0333-4661071<br>2. Usman Ashfaq 15-1447 SME-1<br>3. M. Kashif 15-627 SM-3<br>4. M. Suhaib 15-1837 SME-5<br>5. Ameer Hamza 15-1807 SME-5   |
| 11. | M. Usman Ikram (Director) 03009488732<br>Altech Corporation<br>Plot # 6c -MS Road Daroghewal Industrial estate Lahore  | 1. Hammad Hamayun 15-1821 SME-1<br>2. Abdul Moiz 15-1836 (Group Leader) Contact# 0320-4420788<br>3. M. Zain Abid 15-1820 SME-5   |

|     |   |  |
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| 12. | Mr. FawadUppal (Chief Executive)<br>03008417170<br>Uppal Engineering Company<br>99- Railway road Lahore                                       | 1. Noman Sarwar 15-1825 SME-5<br>2. Ashtiaq Ahmad 15-1838 SME-5<br>3. M.Awas 15-1805 SME-5 (Group Leader) Contact# 0310-4364733  |
| 13. | Haji Ejaz Ahmad<br>Director 03008419475<br>Agriculture Engineering Works<br>Mughalpura Sahnewari Lahore                                       | 1. Muhammad Haseeb 15-403 SM-1<br>2. M. Areez Awan 15-410 SM-1<br>3. M.Zubair 15-631 SM-2<br>4. Ali Hamza 15-501 SM-2 (Group Leader) Contact# 0321-9526836   |
| 14. | Mr. AbdulHameed Manager QD<br>0314 5001719<br>Stainlay Industries<br>218-B/6 said pur Multan road Lahore                                      | 1. Muhammad Saleem 15-526 SM-2 (Group Leader)<br>Contact# 0301-7333794<br>2. Ahsan Ali 15-1618 SME-3<br>3. M. Nauman Abdullah 15-720 SM-4<br>4. Abdul Hadi 15-1523 SME-2<br>5. M. Shahbaz Sabir 15-1801<br>6. M. Iqbal Riayat 15-1431 SME-1  |
| 15. | Mr. Satwat Kaleem, Director.<br>(03214386202)<br>Al Badr Engineering, Shaikhupooora<br>road LHR.  | 1. Nauman Ali 15-628 SM-3<br>2. Sohaib Khan 15-1528 SME-2<br>3. Muhammad Azam 15-1714 SME-4<br>4. Asad Ali 15-1703 SME-4<br>5. Mudassar Yousaf 15-439 SM-1 (Grop Leader) Contact # 0301-4012317<br>6. Usama 15-634 SM-3  |
| 16. | Mr Kashif (Director)<br>Alpine Industrial Con.<br>Suk Nehr stop Shalimar garden GT<br>road Lahore   | 1. M. Abu Bakar 15-704 SM-4<br>2. M. Zeeshan Anif 15-719 SM-4 (Group Leader) Contact# 0323-4438009<br>3. Abid Khan 15-733 SM-4<br>4. Zeeshan Khan 15-707 SM-4<br>5. Azhar Ali 15-623 SM-3<br>6. Toussaq Ahmed 15-630 SM-3<br>7. M. Irfan Shah 15-1534 SME-2  |
| 17. | Mr. Muhammad Siddique (Ex.<br>Director)<br>0332-4208378<br>Metal and Crucibles<br>Opp. EME Society Multan road near<br>kaka khel Hotel Lahore | 1. Afaq Ahmed 15-1718 SME-4 (Group leader) Contact# 0323-7096596<br>2. Umar Hussain 15-907 SM-2<br>3. Shahroz Sarfraz 15-712 SM-4<br>4. Raza Habib 15-737 SM-4<br>5. Tauqeer Ejaz 15-1616 SME-3<br>6. Mohsin Nadeem 15-1608 SME-3<br>7. Shwazi 15-1735 SME-4<br>8. Ali Shan 15-1721 SME-4<br>9. Nazim Ali 15-1811 SME-5<br>10. Samer Iqbal 15-1450 SME-1<br>11. Sodaqat Ali 15-1511 SME-2<br>12. M. Ijaz 15-1507 SME-2 |
| 18. | Muhammad Akram (Director)<br>03334308556<br>AB Engineering Works<br>9.5 km sheikhupura road near<br>Dosaco Labs. Lahore                       | 1. Nasir Mushtaq 15-1738 SME-4 (Group Leader) Contact#0323-4674590<br>2. Ghazanfar Rafiq 15-533 SM-2<br>3. M. Ammar Yasir 15-601 SM-3<br>4. Fakhar Mehmood 15-636 SM-3<br>5. Ali Hamza 15-1724 SME-4<br>6. M. Usama Nasir 15-1704 SME-4<br>7. M. Umar Ashraf 15-416 SM-1   |
| 19. | Shaukat Ali (Proprietor)  | 1. M. Umar Ashraf 15-416 SM-1  |

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|-------------|--|--|
| 03464045455 | S K Engineering Works<br>Chaman colony Baradari road<br>Shahdra more Lahore  | 2. Nazim Hussain 15-423 SM-1<br>3. Eman Nadeem 15517 SM-2<br>4. Junsaid Tariq 15-1638 SME-3<br>5. H. M. Imran 15-1751 SME-4 (Group Leader) Contact# 0307-4471425<br>6. Mirza Arslan 15-1726 SME-4<br>7. Adil Butt 15-435 SM-1<br>8. M. Asad 15-1846 SME-5  |
| 20.         | Muhsin Ahmad Raza (Proprietor)<br>03004705113<br>Ahmad Engineering Fabricates<br>Chah Sard Bagh outside Sarai Sultan<br>Lahore.                                    | 1. Muhammad Abu Bakar 15-1610 SME-3<br>2. Hamza Tariq 15-1743 SME-4 (Group Leader) Contact# 0307-6690137<br>3. Nauman Asghar 15-504 SM-2   |
| 21.         | Muhammad Ahmad (proprietor)<br>03334218004<br>Ahmad Engineering Works<br>East Gate outside Sarai Sultan Lahore   | 1. Roheel Tariq 15-1512 SME-2 (Group Leader) Contact# 0308-4492049<br>2. Usama Riaz 15-1619 SME-3<br>3. Hamza Sajjad 15-1623 SME-3   |
| 22.         | Muhammad Khalid – Works<br>Manager<br>0321-4100163<br>Bajwa Agro Industries<br>Singh pura Baghbanpura shawala<br>chowk Lahore.                                     | 1. M. Salimain 15-1521 SME-2<br>2. M. Usman 15-1506 SME-2 (Group Leader) Contact#0308-4116140<br>3. Adnan Manzoor 15-1526 SME-2<br>4. Hader Butt 15-1719 SME-4   |
| 23.         | Muhammad Rizwan Saleem<br>(Director)<br>03008414797<br>Sir Engineering enterprises(Pvt) Ltd.<br>Plot # 131 S- Quid e Azam Industrial<br>Estate KotLakhpata Lahore. | 1. M. Habib 15-617 SM-3<br>2. Farrukh Shahzad 15-706<br>3. Adeel Ahmad 15-725<br>4. Anas Ahmad Khan 15-1435 (Group Leader) Contact#0333-4988254<br>5. Muhammad bin Anif 15-708 SM-4<br>6. M. Ahmad Tufail 15-1812 SME-3<br>7. Hassan Aziz 15-718 SM-4<br>8. Umair Asghar 15-1645 SME-3<br>9. Kaleem A. Rasheed 15-632 SM-3   |
| 24.         | Ghulam Rasool (Manager HR)<br>0323-4793143<br>RAVI AUTOS Private Limited.<br>8.5 Km sheikhupura road Lahore  | 1. Rebaal Rafiq 15-710 SM-4 (Group Leader) Contact# 0333-3371744<br>2. Zeeshan Nawaz 15-1625 SME-3<br>3. Mohsin Mushtaq 15-1744 SME-4<br>4. Muneer Hussain 15-1736 SME-4<br>5. Faizan 15-1729 SME-4<br>6. Gul Zaman 15-1827 SME-5  |
| 25.         | Malood Ahmad shahid (Director)<br>03334245936<br>Metal Forming (PVT) Ltd.<br>Ferozpur road near bank stop<br>Lahore.   | 1. Fahad Hussain 15-537 SM-1<br>2. Ahmad Fareed Khan 15-537 SM-2<br>3. Usman Javed 15-637 SM-3<br>4. Usama Saleem 15-521 SM-2 (Group Leader) Contact#0304-4634808<br>5. Suqlain Javid 15-540 SM-2<br>6. Zain Ali 15-1822 SME-635<br>7. M. Bilal 15-3839 SME-5<br>8. Saqib Saleem 15-432 SM-1<br>9. Anas Ashraf 15-1531 SME-2 |
| 26.         | Mr. Kashif (Manager Production)<br>03214999817<br>Stahco (PVT) Ltd.<br>Ferozpur road near Masjid e Ibrahim<br>Lahore.  | 1. Shahab Ali 15-709 SM-4 (Group Leader) Contact# 0336-4458558<br>2. Muhammad Ahmad 15-717 SM-4<br>4. Muneer Rehman 15-1454 SME-1<br>5. Nawaz Aziz 15-1518 SME-2   |

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|-----|--|---|
| 27. | Mr. Naveed (Director)<br>03219401436<br>A J R Metal Fabricator<br>16 /17 Km Lahore Sheikhupura road<br>Misson collar sheikhupura                           | 6. Ubaid-ur-Rehman 15-418 SM-1<br>1. Abdul Rehman 15-1455 SME-1<br>2. Saif Ali 15-613 SM-3 (Group Leader) Contact# 0321-1448411<br>3. Asad Javid 15-606 SM-3<br>4. Husain Sabir 15-1813 SME-5<br>5. Usama Sattar 15-1828 SME-5<br>6. M. Yasir 15-1430 SME-1                               |
| 28. | Ch. Muhammad Latif<br>Director (0322435600)<br>Chaughary enterprises<br>Mughalpura Shalimar Link road saho<br>wari Lahore                                  | 1. Irfan 15-1701 SME-4<br>2. Nouman Ali 15-1715 SME-4 (Group Leader) Contact# 0321-1457954<br>3. Faizan Ali 15-1742 SME-4<br>4. M. Harris Arshad 15-436 SM-1  |
| 29. | Muhammad Younus<br>(03334305437)<br>General Manager<br>Afaq Corporation Pvt. Limited.<br>Quid e Azam Industrial estate Kot<br>Lakhpata Lahore.             | 1. Shakeel Ahmad 15-529 SM-2<br>2. H. Armughan 15-604 SM-3 (Group Leader) Contact# 0335-4165765<br>3. M. Aqib Iqbal 15-730 SM-4<br>4. Hamza Khan 15-635 SM-3<br>5. M. Atif Nazir 15-525 SM-2<br>6. Shahzaib Nawaz 15-602 SM-3<br>7. Humair Allah Rakha 15-641 SM-3<br>8. M. Hanman 15-532 |
| 30. | Ghulam Murtaza 0333-4233403<br>Danish Brothers Engineering<br>Company. (Near GMS engg. company)<br>Mominpura Lahore.                                       | 1. Waqar Younas 15-524 SM-2<br>2. Farhan Ali 15-530 SM-2 (Group Leader) Contact# 0304-4144024<br>3. Talha 15-1749 SME-4   |
| 31. | Mr. Arshad Saeed (03334213455)<br>Executive Director/ASKA<br>Engineering (Pvt.) Ltd. 12-KM<br>Sheikhupura Road Lahore (Near<br>Total Pump kot Abdul malik) | 1. Ali Guffam 15-422 SM-1<br>2. Basil Malik 15-402 SM-1 (Group Leader) Contact# 0303-4001417<br>3. Usama Ahmad 15-417 SM-1<br>4. Mehroz Jahangir 15-538<br>5. H. Basharat Ali 15-1732 SME-4<br>6. Arslan Akbar 15-1823 SME-5  |
| 32. | Irfan Amin Dy. Manager HR.<br>03334534380<br>Mughal Steels 17 – km<br>Sheikhupura road Lahore.   | 1. M. Sikandar 15-406 SM-1 (Group Leader) Contact# 0310-4634430<br>2. Adil Rasheed 15-431 SM-1<br>3. M. Rehman Akram 15-415 SM-1<br>4. Tayyab Ali 15-1403 SME-1   |
| 33. | Zaigham Bilal (Manager Quality)<br>03337645347<br>Super Asia Motors (pvt) Ltd. 38-km<br>nangla stop GT road Muridkay.<br>Sheikhupura.                      | 1. Mudassar Usqat 15-1734 SME-4 (Group Leader)<br>Contact# 0307-4196626<br>2. Rana Usman 15-1712 SME-4<br>3. Asad Mahmood 15-1708 SME-4<br>4. M. Azmat 15-1505 SME-2  |
| 34. | Muhsin Nawaz Butt. (Director)<br>04235297474<br>Microtex Engineering company<br>Plot #627 sunder estate Lahore   | 1. Afaq Hussain 15-1845 SME-5<br>2. Qarash Ali 15-1651 SME-3 (Group Leader) Contact# 0342-4801710<br>3. Jahanzaib Zafer 15-1824 SME-5   |
| 35. | Rana M. Ajmal (0300-8855170)<br>Mould Craft Corporation<br>Libia Colony Near Ali Store   | 1. Mateen Ahmed 15-1554 SME-2 (Group Leader) Contact# 0333-8408595<br>2. Hamad Azeem 15-1502 SME-2<br>3. Adeel Ahmed 15-1710 SME-4<br>4. Arslan Saif 15-1746 SME-4  |

|                   |  |
|-------------------|--|
| Salamat pura Stop | 5. Sherya: Khan 15-1737 SME-4<br>6. Abdul Rehman 15-1551 SME-2 |
|-------------------|--|

## NOMINATION OF CANDIDATES



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Muhammad Younus (03334305437)  
General Manager  
Afaq Corporation Pvt. Limited.  
Quid-e-Azam industrial estate Kot Lakhpat Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Shakeel Ahmad 15-529 SM-2
2. Il Armaghan 15-604 SM-3
3. Jamil Ahmad 15-1416 SME-1
4. Abdul Salam 15-1428 SME-1
5. M.Ahif Nazir 15-525 SM-2
6. Shahzaib Nawaz 15-602 SM-3

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr. Naveed (Director)  
03219401436  
A J R Metal Fabricator  
16/17 Km Lahore Shiekhupura road Misson collar shiekhupura

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

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1. Abdul Rehman 15-1455 SME-1
2. M.Hamad Asif 15-1424
3. Amir Kabir 15-1829 SME-5
4. Ubaid Rehman 15-1547 SME-2

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

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Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr. Satwat Kaleem, Director. (03214386202)  
Al Badr Engineering, Shaikhupura road LHR.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

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1. Nauman Ali 15-628 SM-3
2. Ali Raza 15-1652 SME-3
3. Muhammad Azam 15-1714 SME-4

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

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Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr Kashif (Director)  
Alpine Industrial Con.  
Suk Nehr stop Shalimar garden GT road Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

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1. M. Abu Bakar 15-704 SM-4
2. M. Zeshan Arif 15-709
3. Abid Khan 15-733 SM-4
4. Zeshan Khan 15-707 SM-4
5. Sami Khan 15-1441 SME-1
6. Dilawar Ali Shah 15-1814 SME-5

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PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr. Arshad Saeed (03334213455) Executive Director  
ASKA Engineering (Pvt.) Ltd.12-KM Sheikhupura Road Lahore (Near Total Pump kot Abdul malik)

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

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1. Ali Guliam 15-422 SM-1
2. Basit Ali 15-402 SM-1
3. Usama Ahmad 15-417 SM-1

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

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PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Muhammad Khalid – Works Manager  
0321-4100163  
Bajwa Agro Industries  
Singh pura Baghbanpura shawals chowk Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

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1. M. Salman 15-1523 SME-2
2. M.Uman 15-1506 SME-2
3. Adnan Manzoor 15-1526 SME-2
4. Hinder Butt 15-1719 SME-4

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GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gctlahore@yahoo.com](mailto:gctlahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr. Ifthikhar (03064561696)  
Production Manager.  
Fibertech composites  
Canal Bank Hanif Park Harbanpura, Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

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1. Sheraz Arif 15-523 SM-2
- 2.Hamza Azeem 15-727 SM-4
- 3.Muhammad Faizan 15-1406 SME-1
4. Arslan Khan 15-1504 SME-2
5. Ali Asad 15-1649 SME-

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
**Muhammad Umar (Director)**  
**Happy Manufacturing private LTD,**  
**Daroghewala Salamapars stop LHR.**

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

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1. Husnain Naseer 15-404-SM-1
2. Malik M.A Awan 15-411 SM-1
3. Muhammad Muzamil 15-618 SM-3
- 4.M. Umair 15-1745
- 5.M.Zain Javed 15-1740 SME-4
6. M.Asad 15-1723

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PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
**Engr. Imran ul Hasan**  
**(03032593619)**  
**Hi-TEK Manufacturing private LTD,**  
**telephone exchange, Daroghewala, Lahore**

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Danish Ali 15-518 SM-2
2. Arslan Saleem 15-515 SM-2
3. Ali Raza 15-511 SM-2
- 4.Waris Ali 15-616 SM-3
5. Ali Hamza 15-629 SM-3
- 6.M.Arslan 15-611 SM-3
7. Salman Zahoor 15-1509 SME-2

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
**Mr. Muhammad Younus**  
**Director, (03008440562)**  
**Inter-Fab**  
**01- km sagian Road Mehmood booti interchange Ring Road Lahore.**

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Ali 15-1444 SME-1
2. Mohsin Shahzad 15-1442 SME-1
3. M.Ahmad Amjad 15-1601 SME-3
4. Sajjad Ali 15-1711 SME-4
5. Ubaid Chohan 15-1728 SME

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
**Mr.Shaban Akhtar G.M. 04236548825**  
**N Star Corporation**  
**Abinsj Park st#2 near momanpura Exchange, Daroghewala Lahore**

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Usman Ali 15-1448 SME-1
2. Usman Ashfaq 15-1447 SME-1
3. M.mair 15-1753 SME-4
4. M.Sohab 15-1837 SME-5
5. Ameer Hamza 15-1807 SME-5

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

**Muhammad Akram ( Director)**  
 03334308656  
 AB Engineering Works  
 9.5 km shiekhpura road near  
 Dosaco Labs. Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Ansh Ali 15-577 SM-2
2. Ghazanfar Rafiq 15-533 SM-2
3. Naeem Ahmad 15-601 SM-3

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

**M.A.Nawaz & Brothers**  
 41-A Shalamar Link road Mughalpura Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M.Hamza 15-414 SM-1
2. Bilal Shafiqat 15-408 SM-1
3. Talha Nadim 15-405 SM-1
4. Waheed Bin Nasir 15-420 SM-3
5. Fahad Naeem 15-619 SM-3
6. Yousaf Waheed 15-1849 SME-5
7. M.Naveed 15-1848 SME-5

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

**Mr. Muhammad Siddique (Ex. Director)**  
 0333-4208378  
**Metal and Crucibles**  
 Opp. FME Society Multan road near kaka khel Hotel Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Mubasar Sabir 15-442 SM-1
2. Umair Hussain 15-507 SM-2
3. Shahroz Sarfraz 15-712 SM-4
4. Raza Habib 15-737 SM-4
5. Tauqeer Ejaz 15-1616 SME-3
6. Mohsin Nadim 15-1608 SME-3
7. Shauqiz 15-1736 SME-4
8. Ali Shan 15-1721 SME-4
9. Nazim Ali 15-1811

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

**Malood Ahmad shahid (Director) 03334245936**  
**Metal Forming (PVT) Ltd.**  
**Ferozpar road near bank stop Lahore.**

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Fahad Hussain 15-537 SM-1
2. Ahmad Ferooz Khan 15-537 SM-2
3. Usman Javed 15-637 SM-3
4. Mohsin Jameel 15-609 SM-3
5. Saqlain Javid 15-540 SM-2
6. Zain Ali 15-1822 SME-635

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL





Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: gctlahore@yahoo.com



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Muhsin Nawaz Butt. (Director)  
04235297474  
Microtex Engineering company  
Plot #627 sander Industrial estate Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Mubeen Saleem 15-1637 SME-3
2. Qarish Ali 15-1651 SME-1

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: gctlahore@yahoo.com



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Irfan Amin Dy. Manager HR.  
03334534380  
Mughal Steels  
17 - km Shiekhupura road Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M.Sikandar 15-406 SM-1
2. Hamza Javid 15-409 SM-1
3. M.Rehman Akram 15-415 SM-1
4. Tayyab Ali 15-1403 SME-1

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: gctlahore@yahoo.com



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Mr.Sajid Ashfaq Jathol Manager Works (0301-4389793)  
Rimaj Industries RG (Pvt) Limited.  
Opp. Mansoorah Multan road Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M. Perviz 15-424 SM-1
2. Mubeen Sibghat Allah 15-1631 SME-3
- 3.M.Jamshaid 15-1621 SME-3
4. Ali Asghar 15-1716 SME-4
- 5.Fayyaz Rahim 15-1808 SME-5

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: gctlahore@yahoo.com



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To

Ghulam Rasool (Manager HR)  
0323-4793143  
RAVI AUTOS Private Limited.  
8.5 Km shiekhupura road lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Rabeel Rafiq 15-710 SM-4
2. Zeshan Nawaz 15-1625 SME-5
3. Ali Rafique Khan 15-1803 SME-5

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
 Mr. Safdar Javaid  
 Managing Partner (03454375761)  
 Sadiq And Sons Tube Well Industries Outside Sheranwala Gate Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M.A Raza 15-444 SM-1
2. Nasar ullah 15-429 SM-1
3. Ahmad Nadim 15-613 SM-3
4. M.Irfan 15-713 SM-4
5. Ashir Mehmood 15-722 SM-4
6. Mubashar 15-1707 SME-4

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
 Muhammad Rizwan Saleem (Director)  
 03008414797  
 Sir Engineering enterprises(Pvt) Ltd.  
 Plot # 131 S- Quid e Azam Industrial Estate KotLakhpur Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M Habib 15-617 SM-3
2. Farrukh Shahzad 15-706
3. Adeel Ahmad 15-725
4. Anas Ahmad Khan 15-1435
5. Muhammad Shoaib 15-1535 SME-1
6. M.Ahmad Tufail 15-1612 SME-3
7. Usama Qayyum 15-1630 SMF-3
8. Zoeraq Khan 15-625 SM-3
9. Kaleem A.Rasheed 15-632 SM-3

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
 Mr. Kashif (Manager Production)  
 03214999817  
 Stahtco (PVT) Ltd.  
 Ferozpur road near Masjid e Ibrahim Lahore.

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Muhammad Asad 15-608 SM-3
2. Shahab Ali 15-709 SM-4
3. Muhammad Ahmad 15-717 SM-4
4. Muneeb ur Rehman 15-1434 SME-1
5. M.Ahza 15-1846 SME-5
6. Zain Ali 15-1822 SME-5

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
 Mr. Abdul Hameed Manager QD  
 0314 5001719  
 Stain lay Industries  
 218-B/6 Saidpur Multan road Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. M. Hamza Qadeer 15-520 SM-2
2. Muhammad Saleem 15-526 SM-2
3. M.Nauman Abdullah 15-720 SM-4
4. Abdul Hadi 15-1523 SME-2
5. M.Shahbaz Sabir 15-1801

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL



Government of Punjab  
Technical Education & Vocational Training Authority  
GOVT. COLLEGE OF TECHNOLOGY  
RAILWAY ROAD, LAHORE.  
Email: [gct1lahore@yahoo.com](mailto:gct1lahore@yahoo.com)



No.GCT/LHR/2017/\_\_\_\_\_ Dated Lahore, the \_\_\_\_\_/2017

To  
Mr. Ahmad Saeed Khan  
General Manager (03214338963)  
United Techno Corporation-1  
Sarai sultan shahedganj Lahore

Subject: INTERNSHIP TRAINING PROGRAM W.E.F.10.07.2017 TO 22.07.2017

Respected Sir,

As your organization already know that Govt. College of Technology Railway Road Lahore has been established as Centre of Excellence by JICA (Japan International Cooperation Agency) in Mechanical and Architecture Technologies.

The Technical experts of JICA and College Management prepared a plan for internship training of students to strengthen the linkage between GCT and Industry. After getting confirmation from your good self, following students of second year Mechanical Technology are nominated for internship in your organization for 02 weeks internship training program from 10.07.2017 to 22.07.2017.

1. Shahzaib Ismael 15-509 SME-2
2. Noor ul Huda 15-1434 SME-1
3. Usama Shoaib 15-1415 SME-1
4. H.M.Umar Siddiq 15-1425 SME-1
5. Abid Khan 15-1536 SME-2
6. Muhammad Usmama 1509 SME-2
7. Muhammad Asad 15-1539 SME-2

Kindly prepare their attendance record and deliver them at the end of training along with training participation certificate.

Your cooperation in this regard will be highly appreciated.

PRINCIPAL

## FOLLOWUP INDUSTRIAL VISITS BY TEACHERS

個人情報保護につき非表示

**CERTIFICATES  
OF PARTICIPATION  
FROM  
INDUSTRIES  
INTERNSHIP2017  
(SAMPLES)**



**ASKA ENGINEERING (PVT) LTD**  
Manufacturers, Engineering, Consultants, & General Order Suppliers.

Ref: No.112107-175

Dated: 22-07-2017

**"TO WHOM IT MAY CONCERN"**

This is to certify that **Mehroz Jahangir S/O Jahangir Khan** has been working in this company in the capacity of a student under internship training program in the mechanical technology department, since 10-07-2017 to 22-07-2017.

Now he has completed his training successfully in the following departments.

- 01-CNC Department
- 02-Gear Section
- 03-Grinding Section
- 04-Packing Section

His performance, general behavior, loyalty and response to duties assigned to him remained excellent at all the times. We wish him success in his future.

*M.A.P.*  
**MANAGER (ADMIN)**  
22/7/17



12K.M. Sheikhpura Road, Lahore - Pakistan Ph: +92 42 - 37164175, 37164184, 37164173  
e-mail: info@askaengineering.com Fax:



Dated: August 1, 2017

**TO WHOM IT MAY CONCERN**

It is certified that Mr. Shahab Ali of 2<sup>nd</sup> year (Mechanical Technology) from Government College of Technology, Railway Road, Lahore have participated / completed his 2-weeks INTERNSHIP program in our Company / Production Plant w.e.f 10-July-2017 till 22-July-2017.

In this period he was provided brief knowledge & practical training in the field of:

- Chassis Fabrication
- Complete Assembling Procedure of 3-Wheeler Auto Cab
- 200-CC Engine Working & Mechanism
- CO2 / Gas / Electric Welding
- Differential Drive Working
- P.D.I as per Latest PSQCA & EDB Standards duly approved from Ministry of Industries, Islamabad, Pakistan.
- Stores & Inventory Maintaining Methods

We hope that in this short period, he'd learned quite strong which will be helpful in his future carrier / relevant field.

This certificate is being specifically issued on the request of Government College of Technology, Railway Road, Lahore in favor of the above mentioned student and is not valid for any litigation under any court of Law in the entire country.

for Stahlco Motors Pvt Ltd

*A.A.Riaz*  
**Ahmed Riaz**  
11/8/17

**Stahlco Motors (Pvt.) Ltd.**  
Plant - 23/108, Ferozpur Road, Lahore - Pakistan  
UAN - +92-42-111 032 032  
Tel - +92-42-35271345-46, 35270092, 35270633  
Fax - +92-42-35271243



**Sir Engineering Enterprises (Pvt) Ltd.**

MANUFACTURERS - ENGINEERS - CONTRACTORS - SUPPLIERS  
Plot No. 131- S. Quid-e- Azam Industrial Estate, Kot Lakhpat, Lahore.  
Ph: 042-35155131-2, Fax: 042-35155132

Date: July 24, 2017

**To Whom It May Concern**

Subject: Training Participation Certificate.

This is to certify that **Mr. Anas Ahmad Khan S/O Imtiaz Hussain Khan** (Bearing CNIC 35202-7317050-1, having Roll No 15-1435, SME-4 has joined "MS Sir Engineering Enterprises (Pvt) Ltd". As an internee for the period of July 10, 2017 to July 22, 2017.

This letter is issued on his own request for the purpose of job & education institution records.

We wish him best of luck and great future career ahead.

Profound Regards,

*Rizwan Saleem*  
Sir Engineering Enterprises (Pvt) Ltd.

**Rizwan Saleem**  
Director.

**FIBRE CRAFT INDUSTRIES**  
THE FIBRE GLASS PEOPLE

**ISIRI** Pakistan Standards  
**ISO 9001** CERTIFIED  
**MAA**

Dated: 24 July 2017


**TO WHOM IT MAY CONCERN**

It is certified that **Muhammad Tahoor Shakir S/o Muhammad Boota Shakir** student of DAE (Mechanical), bearing Roll no: 15-1636 SME-3 Government College of Technology (GCT) Railway Road Lahore has completed his internship in Fibre Craft Industries, Canal Bank, Hanif Park Harbans pura, Lahore w.e.f 10-07-2017 to 22-07-2017.

He has proved himself competent and progressive professional in the application of industrial techniques & has learned basics of FIBERGLASS COMPOSITES' fabrication during above mentioned training period.

During his stay with us, we found him hardworking, punctual and dedicated student. We wish him all the success in his future professional life.

For **FIBRE CRAFT INDUSTRIES**

  
**SHAMEEM AKHTAR**  
ADMIN MANAGER

**POWER-SAFE**  
REACH THE HEIGHT

**FCI marine**

Canal Bank, Hanif Park, Harbanspura, Lahore - 54850 Pakistan. Phone : [+92-42] 36545346-36545347, 36544813, 36544840  
Fax : +92-421 36548794 E-mail: info@fcigroup.com.pk website: www.fcigroup.com.pk

Engineers - Contractors - Manufacturers

**HI-TEK** ASME CERTIFIED  
**Hi-Tek Manufacturing (Pvt.) Ltd.**

REF NO HRP/209


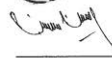
Date 24-7-17

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. Suleman Zahoor S/O Zahoor al hassan C.N.I.C 35201-4575441-1 #Address# LAKHO DAIR POST OFFICE BATA PUR TEHSIL LAHORE CANTT has completed internship program w.e.f 10<sup>th</sup> July to 22<sup>nd</sup> July in M/S Hi Tek manufacturing Pvt Ltd

During his tenure with us we found him sincere, hardworking and are bears a good moral conduct.

We wish him all the very best for his future endeavors.

  
  
**MANAGER ADMIN & HR**  
Junaid Rasheed  
(0322-4782005)

Head Office:  
Hitek House, 1181, Service Lane, Qasid-e-Azam Interchange, Ring Road, Lahore-Pakistan.

Factory:  
Yodgar Road, Off-G.T. Road, Ganja Sindhu, Lahore-Pakistan.

Tel: +92-42-36556686, 36550234, 36555735  
Fax: +92-42-36557184  
E-mail: info@hitek.com.pk

[www.hitek.com.pk](http://www.hitek.com.pk)

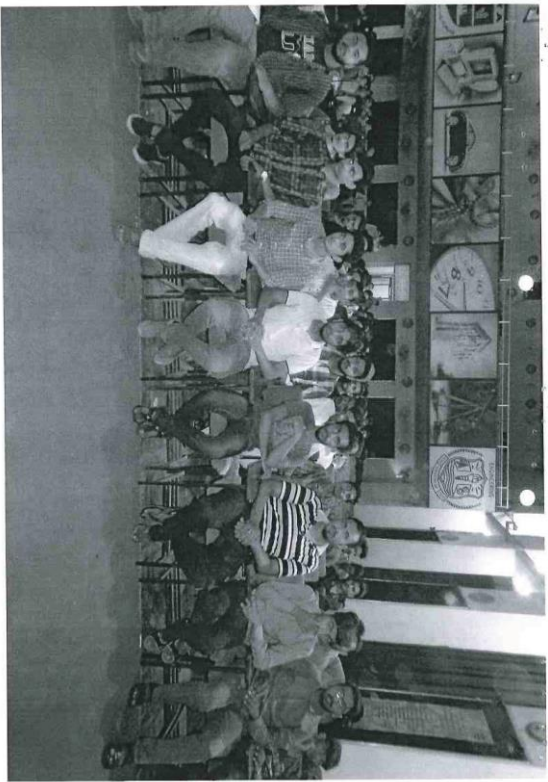
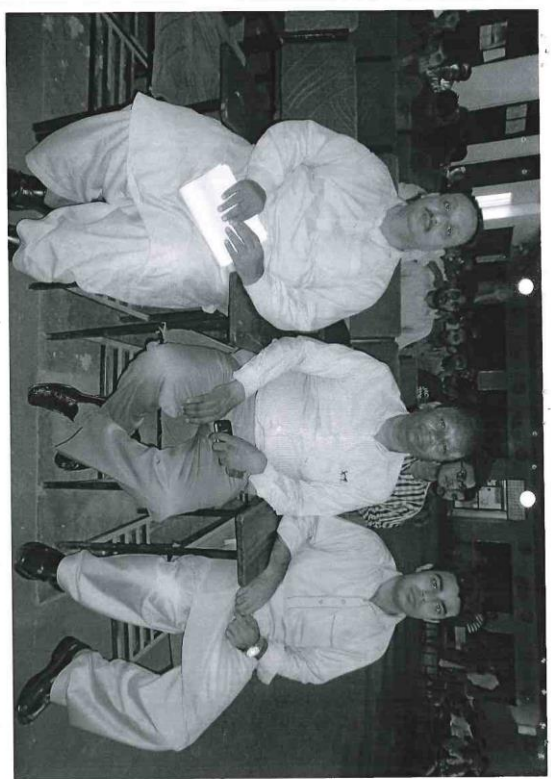
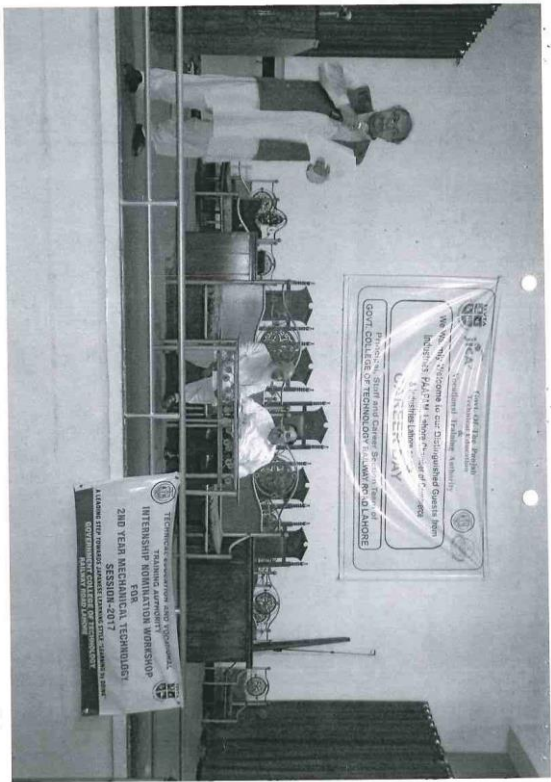
**STUDENT,S TRAINING  
REPORTS  
(SAMPLES)**

個人情報保護につき非表示

個人情報保護につき非表示

個人情報保護につき非表示

**NOMINATION WORKSHOP**  
**SNAPS**

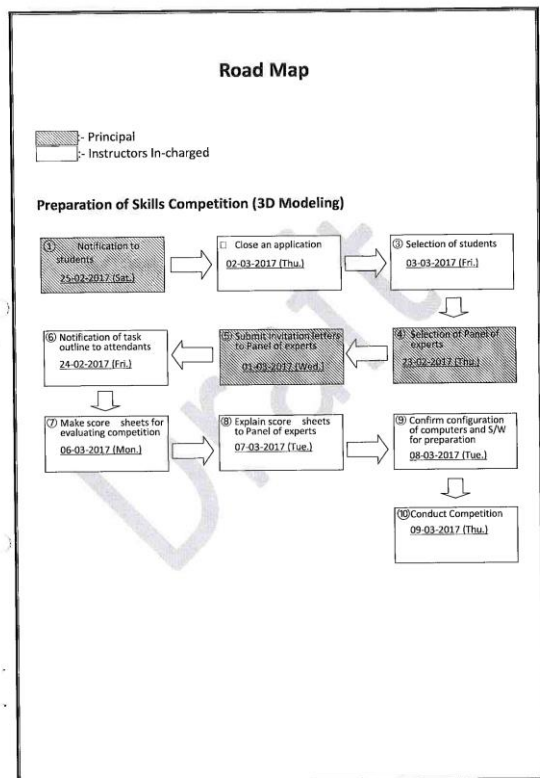


# Report of Skills Competition 2017

1. 3D Modeling
2. AutoCAD Mechanical

By **Tayyab usman / Instructor in Mechanical**  
**Azhar Mehmood Sharif / Instructor in Mechanical**  
**Muhammad Hafeez Ashrafi / Head of Department in Mechanical**

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## 1. Summary

### 1.1: Objectives

The experience and results of all the competitions provide valuable feedback both to the individuals and the systems and enterprises in which they are being trained. For some it is recognition for outstanding achievement, while for others it provides the motivation and knowledge to seek higher standards. For the onlookers it is a revealing experience to see highly competent young trades people in action. The competitions are particularly effective in the context of providing positive career role models for youngsters.

The main objectives are as follows:

- Promote the exchange between young professionals from various regions of the world;
- Exchange of skills, experience and technological innovations;
- Raise the understanding in governments, education and industry to the importance of skills training;
- Raise the awareness of youth and those who influence youth to the opportunities available in skilled professions.

The panel of experts was called from industry that conducted skills competition and prepared final results and certificate of participation and certificate of honor awarded to the candidates at the end of closing ceremony.

### 1.2: Preface

The skill competition of Auto CAD of DAE Mechanical Technology was organized according to following schedule;

|  |            |
|--|------------|
| Notification for information of students       | 25-02-2017 |
| Selection of students by expert teachers       | 03-03-2017 |
| Letters to the expert panel                    | 01-03-2017 |
| Preparation of score sheet                     | 06-03-2017 |
| Explanation of score sheet to expert of panels | 07-03-2017 |
| Conduct of skill competition                   | 09-03-2017 |

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### 1.3: Comments

The AutoCAD Mechanical introduced at 1<sup>st</sup> and 2<sup>nd</sup> year level during curriculum for subjects Mech-163 and Mech-223. After detailed discussion with faculty of Mechanical it was decided to organize skill competition for AutoCAD at first and second year level. The JICA developed new AutoCAD lab equipped with 48 Computers along with all allied facilities. 36 students of Second year Mechanical were selected for participation in skill competition. All students were awarded certificate of participation while 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> position was also announced. The students were awarded certificates duly signed by Head of Department and Principal.

## 2. AutoCAD Mechanical

AutoCAD was derived from a program begun in 1977 and released in 1979 called Interact CAD, also referred to in early Autodesk documents as MicroCAD, which was written prior to Autodesk's (then Marin chip Software Partners) formation by Autodesk cofounder Mike Riddle.

The first version by the Auto Desk Company was demonstrated at the 1982 Comdex and released that December. The 2015 release marked the 29th major release for the AutoCAD for Windows. The 2014 release marked the fourth consecutive year for AutoCAD for Mac.

The AutoCAD Mechanical design and drafting software offers significant productivity gains over basic AutoCAD by:

- ◆ Automating common tasks.
- ◆ Simplifying Complex Mechanical Design work.
- ◆ Preserve the AutoCAD user experience.

Designers can maintain their existing AutoCAD workflow while adopting the enhanced functionality of AutoCAD Mechanical at their own rate. Making the move to AutoCAD Mechanical has never been easier. The powerful features in AutoCAD Mechanical design and drafting software help to automate common design tasks, facilitate increased drafting productivity and offer Mechanical Engineers a competitive edge. AutoCAD Mechanical includes all functionality of AutoCAD software, plus comprehensive libraries of standard parts and tools for automating common Mechanical CAD tasks.

### a. Improved Power Dimension in-place Editor

The power dimension in place editor in AutoCAD Mechanical 2013 now includes the ability to select multiple dimensions at once. Select dimension and you can insert symbols, add or modify fits and tolerances, Add prefix or suffix and modify precision while seeing a real time preview. With multiple diameters along a shaft selected, applying an H6 fit applies the tolerance to each dimension based on nominal size.

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and other building trade industries and show construction needs, architectural features, structural elements, electrical and mechanical systems, detail drawings related to structures, and furnishings.

### b) Computer Drafting

When drafted documents are prepared on a computer, they are referred to as computer-aided drafting (CAD). An advantage of CAD is the speed of revisions to a document. Instead of redrafting an entire page alterations can be made quickly and easily and the page reprinted or plotted. CAD drawings can also be easily stored electronically and shipped to other designers who can make revisions or alterations. Some design and drafting work can be completed more quickly on CAD, however, you will still need to use technical or mechanical drafting for design development.

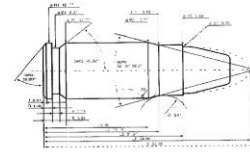
### c) Drafting Media

The papers and films used to draw on are drafting media. While sketching may be done on any size piece of paper or on a variety of types of paper, all forms of architectural drafting, from technical sketching to mechanical drafting, are done on standard sizes and types of paper. There are two main types of paper, tracing, and vellum, and there are drafting films such as Mylar and acetate. Tracing paper and drafting vellum are the two most widely used types of drafting media. TRACING PAPER (also called TRACE) is a medium-grade white (or slightly yellow tinted) transparent paper that takes pencil, ink and marker well. Trace is typically used for sketching and developing ideas, developing initial and preliminary layouts and developing space planning. It is an inexpensive paper and, since it is transparent, a new sheet can be placed over a preliminary drawing to refine it. It is easier and neater to do this than to erase and redraw lines on the original. Some designers use trace for presentations in the early phase of a design project, then, when the designs are approved and fully developed, they are transferred to vellum. DRAFTING VELLUM (also called TRACING VELLUM) is a high-grade white (or slightly tinted) transparent paper that takes pencil well, and from which pencil lines can be easily erased. Reproductions can be made directly from pencil drawings on drafting vellum. Vellum also takes pen and ink well. On most papers, ink will bleed (that is spread and absorb) into the paper. Ink lines on vellum are crisp and solid as it does not absorb the ink readily; however, caution must be taken to not unintentionally smear the ink before it dries. GRID or GRAPH PAPER is available in a variety of grid patterns. Most grid media used in interior design has 4 squares per inch. This can represent 1/4" scale for drawing purposes. It is used for planning, drawing, rough design sketching, technical sketches, or simply under a sheet of trace as a guide.

### d) DRAFTING SHEET SIZES:

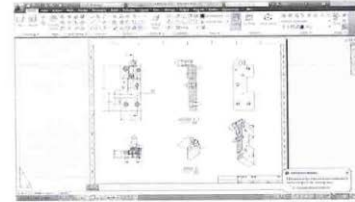
Most drafting media are available in three styles: rolls, plain sheets, and preprinted sheets with borders and title blocks. There are also sheets available with non-photo blue (a light blue color that does not reproduce when making blueprints) grids. Entry level design projects at the University of Minnesota require the student designer to create borders and title blocks, so plain sheets or rolls will be used primarily throughout the first year. According to ANSI (American National Standards Institute) in the United States an 8.5 x 11 inch piece of paper is an architectural "A" size sheet. This is typically referred to as letter size. The "B" size sheets are 11 x 17 and are typically referred to as a "tabloid" size sheet of paper. The "C" size sheets are 18 x 24 inches and the "D" size sheets are 24 x 36 inches. Most drafting for interior design purposes is done on the B, C, and D size sheets. The decision for housing a size should be based on project requirements, the scale of the drawings, and the scope and size of the final structure. Trace and vellum may be purchased on rolls that require sizing the paper properly. Trace may be sized by measuring the length needed and using a straight edge, T-square, or parallel rule to rip the paper off of the roll. Trace rips easily and slightly rough edges are expected. Vellum from a roll should be measured to its

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### b. Annotation Monitor

The use of Annotation Monitor in AutoCAD Mechanical 2010 to check for disassociated annotations in the model space, as well as in each paper space layout. Each disassociated annotation (Such as dimension, leader note, surface texture symbol) is flagged by an in-canvas bagged, which also provides access to delete and Re-associate commands, giving you complete feedback on the accuracy of your documentation.



### c. Drafting standards

#### a) Mechanical Drafting

Mechanical drafting is a refined style of drawing in which the pencil or pen is guided by devices such as T-squares, parallel rules, straightedges, compasses, triangles and French curves. These drawings are developed only after the conceptual phase of a project has been completed and the design is finalized. However, it is typical to see revisions of construction documents as well as client needs change or other issues arise. The typical set of construction documents consists of mechanical drafted illustrations that include interior and exterior elevations, plans, sections, details and other drawings needed to complete or build a project. These are used within the professions of interior design, architecture, engineering,

proper length and then using a straight edge and an X-acto knife on a proper cutting surface trim the paper to its proper length. Scissors should never be used in cutting trace.

### 2.4) Autodesk Synergy Tools

Save time in AutoCAD Mechanical software by automatically generating intelligent documentation for models created in AutoCAD® software, Autodesk® Inventor® software, and other modeling software. Import a wide variety of other formats, including Solid Works®, Pro/ENGINEER®, CATIA®, Rhino, and NX® applications. Drawing views, edge display, and location are instantly updated when an engineering change is made.

### 2.5) Powerful & Smart Dimensions

With the streamlined tools in AutoCAD Mechanical engineering software, you can create dimensions using abbreviated dialog boxes that conveniently control and expand only the relevant variables for manufacturing. With automatic dimensioning, you can create multiple dimensions with minimal input, resulting in instant groups of ordinate, parallel, or symmetric items that are appropriately spaced. Smart dimensioning tools force overlapping dimensions to automatically space themselves appropriately while integrating tolerance and fit list information into the mechanical design. Dimension input can even drive and change design geometry to fit certain sizes.

### 2.6) Standard Parts & Features

When you are dealing with machinery that contains hundreds or thousands of parts, it could take days, or even weeks, to draw them all from scratch. AutoCAD® Mechanical design CAD software changes that by providing a comprehensive set of parts and features that you can select for your mechanical designs. When you insert content, AutoCAD Mechanical intelligently cleans up the surrounding geometry so you don't have to edit it manually.

Get more consistent results on the shop floor by producing accurate mechanical drawings using a comprehensive set of standards based components. AutoCAD Mechanical software supports international mechanical drafting standards and includes libraries of more than 700,000 standard parts, including:

- Screws, nuts, and washers
- Pins, rivets, and bushings
- Plugs, lubricators, and sealing rings
- Bearing and shaft components
- Structural steel shapes
- Through, tapped, blind, and oblong holes
- Undercuts, keyways, and thread ends

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## 2.7) Comments of Head of Department

Inventions took place when ideas are converted into reality. In professional institutions, especially for technical subjects, usually Quiz programs or skills competitions are arranged.

The said activities boost up the students to show their capability and performance. By doing this the administration can also assess the performance of teachers to transfer knowledge and skills to the students.

The skills competition of 2D CAD and 3D modeling is very good practice to motivate the other students who did not participate at this time. I wish that activity of skills competition must be continued in future involving more shops and labs such as Metal Shop, Wood Work Shop, Welding Shop, Basic Machine Shop and Advance machine shop.

It is necessary to mention here that activity of skills competition should be completed up to 30th April of each calendar year so that students may concentrate towards their studies because the final examination by P.B.T.E (Punjab Board Of Technical Education) is usually scheduled in 1st week of June every year.

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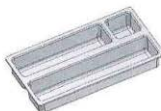
## 3.3 Figure of Projects



Design of a shaft



Design of a jug



Design of a multitray

2.



Design of Mechanical Parts



Design of a sheet metal part

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## 3. 3D Modeling:-

3D modeling (or modeling) is a consistent set of principles for mathematical and computer modeling of three-dimensional solids. Solid modeling is distinguished from related areas of geometric modeling and computer graphics by its emphasis on physical fidelity. Together, the principles of geometric and solid modeling form the foundation of computer-aided design and in general support the creation, exchange, visualization, animation, interrogation, and annotation of digital models of physical objects.

### 3.1 Overview

The use of solid modeling techniques allows for the automation of several difficult engineering calculations that are carried out as a part of the design process. Simulation, planning, and verification of processes such as machining and assembly were one of the main catalysts for the development of solid modeling. More recently, the range of supported manufacturing applications has been greatly expanded to include sheet metal manufacturing, injection molding, welding, pipe routing etc. Beyond traditional manufacturing, solid modeling techniques serve as the foundation for rapid prototyping, digital data archival and reverse engineering by reconstructing solids from sampled points on physical objects, mechanical analysis using finite elements, motion planning and NC path verification, kinematic and dynamic analysis of mechanisms, and so on. A central problem in all these applications is the ability to effectively represent and manipulate three-dimensional geometry in a fashion that is consistent with the physical behavior of real artifacts. Solid modeling research and development has effectively addressed many of these issues, and continues to be a central focus of computer-aided engineering.

### 3.2 Schedule of Competition

| TIME        | ACTIVITY  |
|-------------|---|
| 10:00-10:15 | Opening of program  |
| 10:15-12:45 | Making of projects of :-<br>1. DESIGN OF MECHANICAL PART<br>2. DESIGN OF A MULTITRAY<br>3. DESIGN OF A JUG<br>4. DESIGN OF A SHAFT<br>5. DESIGN OF A SHEET METAL PART |
| 12:45-1:15  | Tea break   |
| 1:15-1:30   | Closing of program  |

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## 3.4 Comments of Instructors in charge

### In charge CAD/CAM:-

The 3D modeling skills competition held on 09-03-2017 was a very successful event keeping in view the interest shown by students. It is also a big achievement in the advancement towards science and technology because 3D modelling is up-to-date field of science and technology. The applications of this field are growing day by day and will have a positive effect on students in their practical life.

### In charge Auto CAD:-

The students of second year mechanical were much interested in Auto Cad skill competition because it was the third time that a competition was going to be held on 09-03-2017. Auto Cad is the first step for 3D CAD and CAM. Now days this component is necessary for each member of Engineering team, as well as it is the basic need of industrial field in developing countries.

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### 3.5 Comments of Internal and External Examiners

Education and completions are very closely related as competitions are put in education for the development of educational skills. Indeed, without competitions, we cannot imagine education. A student has to fight in admission tests and once he/she has passed, he/she admitted in the institution. Then the institution arranges several kinds of competitions that enhance the knowledge as well as skills of a student. The exam itself is a biggest competition where a student competes to surpass others.

### 3.6 Comments of industry

There is no doubt education is secret key of human success and the roots of education lie on competition. A child is born without knowledge and skills, and they continuously participate in competitions every part of the life, developing skills and knowledge through a learning process. A child competes in the school, college and university and finally he/she competes in his/her professional area. Actually human life is full of competitions.

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## 4. Conclusion

Student Competitions refers to the numerous competitions, particularly those that are scientific in nature, aimed at grade-school students, high school students, and college undergraduate and graduate students, in which participants strive to create notable technological inventions or innovations.

These types of competitions motivate the students to work hard to achieve the peak level of performance and to get prominent place in their group. These competitions also show the feedback from students in cognitive and psychomotor domains of learning.

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## 5. Improvements for next skills competition

- Prepare a time line (with deadlines) for each activity.
- List of participants should be checked for errors if any.
- Make sure to keep team members and supervisors 'up to speed' with your plans.
- Fix the date, venue, (chief guest), name of the event and tag-line.
- Get approval for your budget, schedule, and etc
- Gather items needed for the event. These items might include medals, mementos, prizes, or certificates.
- Make arrangements for Photos, videos etc.
- Make arrangements for food and refreshments.
- Prepare a list with all relevant mobile, phone numbers, emails ids of team members.
- Take the feedback from participants and evaluate the feedback forms.

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## 6. Necessity of skills competition

All life forms somehow possess knowledge and skills for survival and propagation. Such knowledge and skills are transmitted from generation to generation in various ways. On one hand, there is the direct path via inheritance. Properly expressed genes provide the offspring that carries them with built-in knowledge and skills, sometimes referred to as instincts and reflexes. On the other hand, there is the indirect path via education, where education is meant in a broad sense.

It is not surprising that education and competition are intimately related. On one hand, it is natural for children to compete and, therefore, understandable that competition is put to educational use.

Competitions are an excellent vehicle for incorporating technology into the future curriculum, and for opening the 'high-tech box' in an enjoyable way.

### 6.1 Benefits of Skills Competition for Participants

- Change to show what they can and test out their limits
- Possibility to show their skills to employers
- Great experience
- Develop their skills
- Meet new friends
- Raising the quality and profile of vocational education
- Making the developed vocational training known and more attractive
- Creating co-operation between the educational institutes and the companies

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# Report of Project Exhibition

## D.A.E. Mechanical Technology 2017

March, 2017

Government College of Technology, Railway Road,  
Lahore

### Chapter 2 Program Schedule

Following schedule was announced to cover different activities of project exhibition;

|                            |   |
|----------------------------|---|
| Competition at Institute   | 1 <sup>st</sup> -4 <sup>th</sup> March 2017   |
| District Level             | 9 <sup>th</sup> -10 <sup>th</sup> March 2017  |
| Competition at Zonal Level | 15 <sup>th</sup> -16 <sup>th</sup> March 2017 |
| TEVTA Punjab Level         | 21 <sup>st</sup> -22 <sup>nd</sup> March 2017 |
| Prize Distribution         | 24 <sup>th</sup> March 2017                   |

### Chapter 1 Summary

Project exhibition is a creative activities whose aim is to established the multifaceted qualities of project, process, services and there systems in whole life cycles.

Therefore project is the central factor of innovative humanization of technologies and crucial factor of cultural and economics exchange. The inventions took place when ideas are converted into reality. A project is itself an independent working unit which is designed and manufactured by the students of professional institutions. Although all technical and related subjects are of great importance but for project point of view following are very important.

- Computer applications
- Engineering drawing and cad
- Metrology
- Workshop practice 1
- Workshop practice 2
- Workshop practice 3
- Machine design
- Hydraulic and hydraulic machines
- Thermodynamic

The students of 3<sup>rd</sup> year mechanical technology study the subjects of workshop practice III to meet with the requirements of subjects, they have to make the project that is independent working unit (may be the model of some machine tool) before allotment of the project.

They prepare feasibility report of two or three pages keeping in view following points.

- Availability of raw materials
- Relevancy to the industry needs
- Demands of market
- Service life
- Safety
- Ease of operations

### Chapter 3 Matrix and participants of exhibition

#### Matrix program

| Time            | Activity   |
|-----------------|--|
| 10:00-----10:20 | Opening program activity   |
| 10:20-----10:35 | Recite of Holy Quran   |
| 10:35-----10:40 | Naat-e-Rasool PBUH   |
| 10:40-----11:10 | Brief Introductuin by Principal  |
| 11:10-----13:00 | Visit of Faisal Hall and assignment of Project                                 |
| 13:00-----14:00 | Announcement of 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> Position |
| 14:00-----14:30 | Closing of Program   |

#### Participants

- Principal of the college
- All HOD's
- Faculty members of Mechanical Department students of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year of DAE Mechanical

## Chapter 4 Program Activity

The committee of the expert teachers selected following suitable project to be kept in project exhibition:

- CNC Machining center
- Mechanical sheet bending machine
- Energy production by speed breaker
- 3-D CNC Router
- Bend Saw

The score sheet for evaluation of the project was prepared by the expert teachers comprising following criteria:

- Relevancy of project to industrial needs
- Idea conceived
- Appearance of model
- Demonstration by the group leader
- Proper use of tools/software and commands
- Project report

Very hard competition took place between groups of the projects and results compiled by the experts are as under;

|                                    |                                  |
|------------------------------------|----------------------------------|
| Energy Production by Speed Breaker | Secured 1 <sup>st</sup> Position |
| CNC Machining Center               | Secured 2 <sup>nd</sup> Position |
| 3D CNC Router                      | Secured 3 <sup>rd</sup> Position |

The result was kindly announced by the **Principal Engr. Tariq Mahmood**.

## Chapter 7 Conclusion

The purpose of science fair project is for students to not only learn about science, but also have an educational experience that develops many skills. Creating a science fair project allows students to actively take part in a creative process, from the inception of idea to the exhibit. It develops student's critical thinking skills as they gain a new understanding about a part of world.

These types of exhibition motivate the students to work hard to achieve the peak level of performance and to get prominent place in their group. These exhibitions also show the feedback from students and psychomotor domains of learning.

## Chapter 5 Comments

### > Comments from Head of department DAE Mechanical

The basic purpose of this exhibition was to let the current students specially new final year to know about the types of project being designed and research conduct in the department and also allowing the to understand the various techniques and methodologies used by senior hence providing them a direction is very healthy activity for students of professional institution, this event provides opportunity for students show overall performance regarding the knowledge and skill they gained during their study period. This event also promotes student for brain storming.

The students are divided into groups and they are free to choose the project according to facilities available within the institution. This activity is the part of subject Mech-374(Workshop practice III) for DAE Mechanical. This activity must be continued to develop brain storming and competition among students.

# Industrial Lectures by Industry

**D.A.E. Mechanical**

**2017**

# Lecture No.01

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## Chapter 1.Preface

The lecture by industry was conducted on the purpose of sharing technical knowledge of recent technology of industries with people working for academia, to enlighten students and instructors in GCT railway Road, and finally academia can feedback to their curriculum and teaching materials.

The outline of lecture is as follows.:

## Chapter 2.Outline

1. Title of Lecture : Importance of Numerical Control Machining in Industry
  2. Date of Lecture: 18-02-2017
  3. Venue for Lecture: GCT Railway Road / Faisal Hall
  4. Lecturer: Muhammad Zahid Saifi Assistant Manager Production AJR Metals Sheikhupura Road, Lahore
- Matrix of Lecture:

| Time        | Activities / Lecture   |
|-------------|--|
| 9:30-10:00  | Opening Program <ul style="list-style-type: none"><li>• Invocation</li><li>• Opening Remarks/Welcome Address</li></ul> |
| 10:00-12:00 | Lecture <ul style="list-style-type: none"><li>• Reliability central Maintenance concept</li></ul>                      |
| 12:00-12:20 | Closing Program <ul style="list-style-type: none"><li>• Closing Address</li></ul>                                      |

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| Chapter 3 Conclusion..... |  |

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## Chapter 3.Conclusion

1. Result: Totally 117 students from 3<sup>rd</sup> year attended the lecture. We have taken care of schedule of preparation, clear discussion and decision-making according to technical grounds. So that we provided the outline and the road map of lecture by industry at the beginning stage, and it had been confirmed the status of implementation one by one along time being. The questions regarding to lecture showed the keen interest of participants. At the end, we would like to thank the cooperation of all counter parts for succession of the lecture.
2. Improvement for the next
  - Fix a time line (with deadlines) for each preparation
  - Fix the date, time, venue, title of lecture in advance
  - Make arrangements for videos etc.

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3. Photos



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## Lecture No.02

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|                           |
|---------------------------|
| Chapter 1 Preface .....   |
| Chapter 2 Outline.....    |
| Chapter 3 Conclusion..... |

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### Matrix of Lecture:

| Time        | Activities / Lecture   |
|-------------|--|
| 10:00-10:30 | Opening Program <ul style="list-style-type: none"><li>• Invocation</li><li>• Opening Remarks/Welcoming Address</li></ul> |
| 10:30-12:45 | Lecture <ul style="list-style-type: none"><li>• Reliability central Maintenance concept</li></ul>                        |
| 12:45-01:00 | Closing Program <ul style="list-style-type: none"><li>• Closing Address</li></ul>  |

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### Chapter 1.Preface

The lecture by industry was conducted on the purpose of sharing technical knowledge of recent technology of industries with people working for academia, to enlighten students and instructors in GCT railway Road, and finally academia can feedback to their curriculum and teaching materials.

The outline of lecture is as follows.;

### Chapter 2.Outline

5. Title of Lecture : Moderning Techniques in Machining
6. Date of Lecture: 04-04-2017
7. Venue for Lecture: GCT Railway Road / Faisal Hall
8. Lecturer: Abdul Hameed Plant Manager Stanely, Multan Road, Lahore

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### Chapter 3.Conclusion

4. Result: Totally 110 students from 3<sup>rd</sup> year attended the lecture. We have taken care of schedule of preparation, clear discussion and decision-making according to technical grounds. So that we provided the outline and the road map of lecture by industry at the beginning stage, and it had been confirmed the status of implementation one by one along time being. The questions regarding to lecture showed the keen interest of participants.

At the end, we would like to thank the cooperation of all counter parts for succession of the lecture.

5. Improvement for the next
  - Fix a time line (with deadlines) for each preparation
  - Fix the date, time, venue, title of lecture in advance
  - Make arrangements for videos etc.

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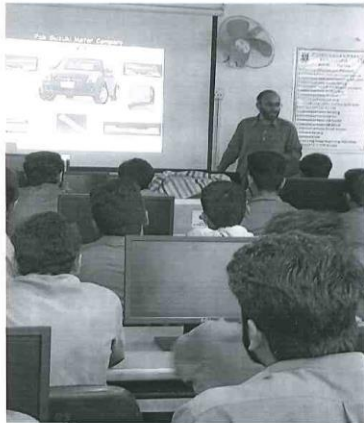
6. Photos



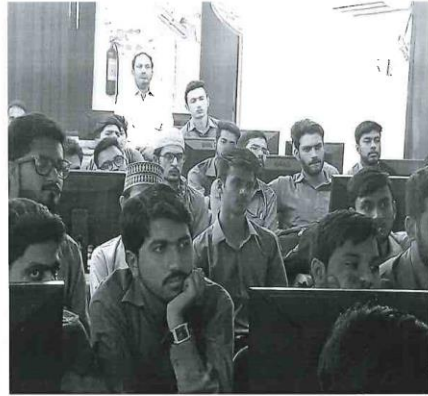
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添付資料 6-15：産学連携活動計画

|   |  |   |
|---|--|---|
|  | <p><b>GOVT. OF THE PUNJAB</b><br/> <b>TECHNICAL EDUCATION &amp; VOCATIONAL TRAINING AUTHORITY (TEVTA)</b><br/> <b>GOVT. COLLEGE OF TECHNOLOGY</b><br/> Samanabad, Faisalabad<br/> PH: 041-9330665-66<br/> E-mail: <a href="mailto:tevtagctfsd@yahoo.com">tevtagctfsd@yahoo.com</a><br/> <a href="mailto:gct.fsd@tevta.gop.pk">gct.fsd@tevta.gop.pk</a></p> |  |
|---|--|---|


No. GCT/FSD/2018 6845-51

dated: 05-9-2018

**OFFICE ORDER**

The following Officers/Faculty Members will perform their duties mentioned against their names for sustainability of **JICA project activities** during academic session 2018-19:-

| Sr. No. | Key Activity                         | Schedule  | Responsible Persons  | Main Detail of Activies   |
|---------|--------------------------------------|---|--|---|
| 1       | Career Day                           | Last Week of October 2018   | Mr. Noor Asif Noor (Convener)<br>Mr. Tahir Shahzad<br>Engr. Ali Anwaar<br>Engr. Adil Nawaz<br>Mr. Faiz Mohy ud Din                         | 1) Preparation and conduct of Career day.<br>2) Preparation of Report       |
| 2       | Skill Competition                    | 3 <sup>rd</sup> Week of Feb 2019  | Mr. Muhammad Arshad (Convener)<br>Mr. Wasif Ali<br>Mr. Umair Mirza<br>Mr. Shafique Ahmad Ijaz<br>Mr. Muhammad Shoaib                       | 1) Preparation and conduct of Skill Competition<br>2)Preparation of Report  |
| 3       | Special Lectures by Industry Experts | 2 <sup>nd</sup> & 4 <sup>th</sup> Week of each academic months of 2018-19 | Mr. Athar Rasheed (Convener)<br>Mr. Muhammad Noman Siddique<br>Mr. Muhammad Sarfraz  | 1)Preparation and conduct of special lectures<br>2)Preparation of Report    |
| 4       | Meeting of IMC                       | October 2018, Jan 2019, May 2019  | Sh. Amjad Hussain President IMC (Convener)<br>Mr. Noor Asif Noor<br>Mr. Muhammad Younas<br>IPO+AIPOs                                       | 1)Preparation and conduct of meeting<br>2)Preparation of Report             |
| 5       | Project exhibition                   | Ist Week of may 2019  | Mr. Noor Asif Noor (Convener)<br>Mr. Muhammad Arshad<br>Mr. Wasif Ali<br>Mr. Umair Mirza<br>Mr. Shafique Ahmad Ijaz<br>Mr. Muhammad Shoaib | 1)Preparation and conduct of exhibition<br>2)Preparation of Report          |
| 6       | Internship                           | July/August 2019  | Mr. Muhammad Alam (Convener)<br>Mr. Muhammad Sarfraz<br>Mr. Muhammad Abbas<br>Mr. Muhammad Shoaib  | 1)Preparation and schedule of internship program<br>2)Preparation of Report |

  
**PRINCIPAL**  
Govt. College of Technology  
Samanabad Faisalabad

C.C:-

- 1) The General Manager (OPS) TEVTA, Lahore.
- 2) The Chief Advisor JICA Project.
- 3) The Zonal Manager (North) TEVTA Rawalpindi.
- 4) The Focal Person JICA Project TEVTA, Faisalabad.
- 5) The Head of Department Mechanical of this College.
- 6) The Officers/Officials concerned.



**Government of Punjab**  
Technical Education & Vocational Training Authority  
**GOVT. COLLEGE OF TECHNOLOGY**  
RAILWAY ROAD, LAHORE.  
Email: gct1lahore@yahoo.com



### PROPOSED PLAN OF JICA PROJECT ACTIVITIES 2019-20

Following Teachers of Mechanical Technology are proposed to perform their duties mentioned against their names for sustainability of JICA project during academic session 2019-20.

| Sr. No | ACTIVITY           | SCHEDULE OF ACTIVITY   | RESPONSIBLE PERSONS  | Responsibilities   |
|--------|--------------------|--|--|--|
| 1.     | Career Day         | 4 <sup>th</sup> week of Sept 2019  | M. Tariq Mehmood (Convener)<br>Atif Attique<br>M. Umer Farooq                | 1-Preparation and Conduct of Career day<br>2-Preparation of report           |
| 2.     | Skill Competition  | 1 <sup>st</sup> week of March 2020   | M.Azhar Sharif (Convener)<br>Ahmad Nadeem Qazi                               | 1- Arrangement and Conduct of skill competition<br>2-Preparation of report   |
| 3.     | Special Lectures   | 4 <sup>th</sup> week of Oct. 2019<br>4 <sup>th</sup> week of Nov. 2019<br>4 <sup>th</sup> week Jan. 2020<br>4 <sup>th</sup> week Feb. 2020<br>1 <sup>st</sup> week Apr. 2020 | Akram Sarfraz (Convener)<br>M. Razzaq Khan                                   | 1- Arrangement and Conduct of special lectures<br>2-Preparation of report    |
| 4.     | Meeting of IMC     | 4 <sup>th</sup> week of Aug. 2019<br>1 <sup>st</sup> week of Dec. 2019<br>2 <sup>nd</sup> week of Feb. 2020  | M. Razzaq Khan (Convener)<br>M.Akram Sarfraz                                 | 1-Arrangement and Conduct of meeting of IMC.<br>2-Preparation of report.     |
| 5.     | Project Exhibition | 1 <sup>st</sup> week of May 2020   | Saeed Tahir (Convener)<br>Abid Pasha<br>Zaheer ud din Baber<br>Khalid Fareed | 1- Arrangement and Conduct of project exhibition<br>2-Preparation of report. |
| 6.     | Intern ship        | July/August 2020   | M. Razzaq Khan (Convener)<br>Khalid Fareed<br>Atif Attique                   | 1-Arrangement and schedule intern ship program<br>2-Preparation of report    |

  
M. Razzaq Khan

(Focal Person JICA-GCT)



M.Hafeez

(HOD Mechanical)

添付資料 6-16：キャリアデーレポート

添付資料 6-16-1 : Career Day Report 2016 (GCT RR 校)



# Career Day Report

## D.A.E. Mechanical Technology 2016

April 25, 2016

Government College of Technology, Railway Road, Lahore



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### Chapter 1

#### INTRODUCTION:

It is worth mentioning that Government College of Technology Railway Road Lahore would be organizing Career Day since last four years. Now GCT R.R Lahore arranged Career Day on 25<sup>th</sup> April 2016 for the final year students of DAE Mechanical Technology. The main purpose of this event is to introduce our skilled manpower and technical students with the industries. It was a good exercise for providing a platform for the students to meet the industrial representative and to get the exposure of job opportunities. In order to strengthen the linkage between industries and GCT RR, the following activities were also exercised in order to get better results:

- Lectures from the Industrial Experts were arranged.
- Skill Competition was held among the students.
- Career Day for Mechanical Technology (3<sup>rd</sup> Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2<sup>nd</sup> year students.

Career day is beneficial for both i.e. industry and pass outs. Intellectual, skilled and brilliant pass outs can be selected by the industry which will be more valuable for the development of industry. On the other hand, it is also important that DAE (Mechanical) pass outs will be able to get job in an industry. Ultimately country will move up in technology and skill.

Since December 2008 JICA is continuously engaged with GCT R.R Lahore administration in developing center of excellence. With continuous efforts of JICA students are able to get training on most modern/latest equipment in order to cope up with arising needs of the industries.



To enhance the importance of career day and to make sure that students understand the meaning and importance of career day, this activity is very much necessary. It provides an opportunity for our students to meet with the representatives from a variety of industries and professionals.

Career Day is the opportunity for industry to have interaction with skilled manpower, simultaneously opportunity for students to get awareness about the industry and help them to join well-known industries.

## Chapter 2

### PREPARATION OF CAREER DAY:

#### PROJECT TEAM

The following staff members were nominated by the Principal GCT R.R regarding conduct of career day to be held on 25-04-2016:

| Sr. No. | Name & Designation            | Nominated As | Task Assigned   |
|---------|-------------------------------|--------------|---|
| 1.      | Sajjad Qaisar, Sr. Instructor | Convener     | To organize the activities of career day                      |
| 2.      | Razaq Khan, Sr. Instructor    | Member       | To make list of industries                                    |
| 3.      | Tanveer Iqbal, Sr. Instructor | Member       | To make arrangements regarding refreshment                    |
| 4.      | Saeed Tahir, Instructor       | Member       | To make necessary arrangements for preparation of Faisal Hall |
| 5.      | Atif Attique, Instructor      | Member       | To collect CV's of students and make list of students         |
| 6.      | Tayyab Usman, Instructor      | Member       | Have to Coordinate with the industrial representatives        |
| 7.      | Khalid Fareed, Instructor     | Member       | Have to Coordinate with the industrial representatives        |
| 8.      | Akram Sarfraz, Instructor     | Member       | To make the flexes regarding career day                       |

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### STUDENTS SELECTION

CV of final year students collected by the respective member and after that categorized them in to different groups so that different class students make a group. Those students who were fall in second year are not invited in the career day. Only those participants were invited who passed their 2<sup>nd</sup> year examination. From the nine sections of Mechanical Technology 250 students were invited.

### SELECTION OF INDUSTRIES

A list of industries prepared by the respective members and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Maximum industries accepted the invitation. Some industries appreciated this type of activity and requested to continue it in future.

Industries were divided according to their direction in to different pools as follows:

| Sr. No. | Pool Type | Area of Industry          | Invited Industries |
|---------|-----------|---------------------------|--------------------|
| 1       | A         | Shehikupura Road          | 05                 |
| 2       | B         | Daroghewala               | 04                 |
| 3       | C         | Multan Road               | 02                 |
| 4       | D         | Gajjomata , Ferozpur Road | 03                 |
| 5       | E         | Raiwind Road              | 03                 |

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### INVITATION LETTERS

The invitation letters sent to the industries on 15<sup>th</sup> April, 2016 via post and email. Following industries were invited on the event being scheduled:

| Sr. No. | Name of Industries             | Address of Industries  | Field of working              |
|---------|--------------------------------|--|-------------------------------|
| 1.      | Metal Forming Pvt. Ltd.        | Ferozpur Road Near Bank Stop Lahore  | Fabrication                   |
| 2.      | Stahco Pvt. Ltd.               | Ferozpur Road Near Masjid-e-Ibrahim Lahore                                       | Automotive Parts              |
| 3.      | AJR Metal Fabricator           | 16-17 Km Lahore Sheikupura Road Misson Collar Shiekupura                         | Fabrication                   |
| 4.      | Hi-TEK Manufacturing Pvt. Ltd. | Near Mominpura Telephone Exchange Daroghewala Lahore                             | Fabrication                   |
| 5.      | Stanley Industries             | 218 - B/6 Saidpur Multan Road Lahore   | Automotive Parts              |
| 6.      | RimTaj Industries Pvt. Ltd.    | opposite Mansoorah Multan Road Lahore  | Manufacturing, Fabrication    |
| 7.      | Ravi Autos Pvt. Ltd.           | Sheikhupura Road Lahore  | Automotive Parts              |
| 8.      | Infinity Engineering           | 13 Km Sheikhupura Road Lahore  | Auto Parts , CNC, Fabrication |
| 9.      | Mughal Steel                   | 17 km Sheikhupura Road, Lahore   | Steel product Manufacturing   |
| 10.     | Fiber Tech Composites          | Canal Bank Hanif Park Harbanspura Lahore   | FRP products and equipment    |
| 11.     | Happy Manufacturing Pvt. Ltd.  | Salamat Pura Stop G.T. Road Lahore   | Automotive Parts              |
| 12.     | M.A Nawaz & Brothers           | 41-A Shalamar Link Road Mughalpur Lahore   | Fabrication, Automotive part  |
| 13.     | Atlas Honda Ltd.               | 26-27 Km LHR-SKP Road Shiekupura   | Automotive                    |
| 14.     | QadBros Engineering Pvt. Ltd.  | 72-A Shareef Centre Commercial Area Lzmir Housing Society Canal Bank Road Lahore | Fabrication and manufacturing |

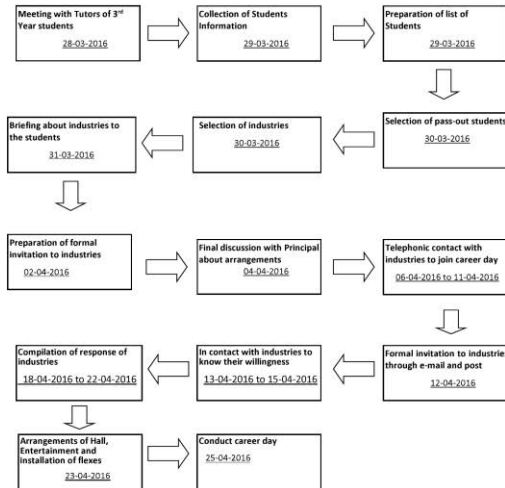
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|     |                            |  |                        |
|-----|----------------------------|--|------------------------|
| 15. | N Star Corporation         | Alsiraj Park St#2 Near Momanpura Exchange Daroghewala Lahore | Mechanical Fabrication |
| 16. | Hawks Engineering Works    | Plot No 9/C, Holiday Park, 5.5 KM, Raiwind Road, Lahore      | Automotive Parts       |
| 17. | Mecas Engineering Pvt. Ltd | 1/2 Km Katar Bund Road, Thokar Niaz Baig                     | Automotive Parts, CNC  |

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### Road Map Preparation of Career Day (D.A.E. Mechanical, 2016)



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#### ARRANGEMENTS OF FAISAL HALL

Almost 8 teachers and 4 staff attendants were mobilized for setting up 15 desks and chairs for students and Industrial representative. Stall of each industry is separately prepared so that students can interact with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

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#### Chapter 3

##### PARTICIPATED INDUSTRIES

List of participated Industries is as follows:

| Sr. # | Name of Industries             |
|-------|--------------------------------|
| 1.    | QadBros Engineering Pvt. Ltd.  |
| 2.    | Ravi Autos Pvt. Ltd.           |
| 3.    | Infinity Engineering           |
| 4.    | Hi-TEK Manufacturing Pvt. Ltd. |
| 5.    | Mughal Steel                   |
| 6.    | Stanley Industries             |
| 7.    | Mecas Engineering Pvt. Ltd     |
| 8.    | Metal Forming Pvt. Ltd.        |
| 9.    | N Star Corporation             |
| 10.   | AJR Metal Fabricator           |
| 11.   | Happy Manufacturing Pvt. Ltd.  |

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#### Chapter 4

##### CONDUCT OF CAREER DAY:

The career day program carried out on 25<sup>th</sup> April started at 09:00 AM with opening address and finished at 4:00 PM with thanking address of Principal. Total 11-industries and 250 students of 3<sup>rd</sup> year D.A.E. mechanical participated in the career day. The program, participants and teachers engaged in are listed as follows.

##### PROGRAM SCHEDULE:

| Time     | Activity                 | By                                    |
|----------|--------------------------|---------------------------------------|
| 9:00 AM  | Reception of Guests      | Convener and Members of Career Day    |
| 9:30 AM  | Recitation of Holy Quran | Student (Mechanical Technology)       |
| 9:40 AM  | Naat Shareef             | Student (Mechanical Technology)       |
| 9:50 AM  | Welcome Address          | Convener (Career Day)                 |
| 10:00 AM | Start of Interviews      | Industrial Representatives and Tutors |
| 11:30 AM | Refreshment              | Refreshment Committee                 |
| 1:30 PM  | Lunch                    | Principal, GCT Railway Road           |
| 4:00 PM  | Closing/Thanking Address | Principal, GCT Railway Road           |

##### STUDENTS PARTICIPATED

|                                 |   |              |
|---------------------------------|---|--------------|
| Final Year Students (Year-2016) | Total 9 classes of Mechanical Technology    | 250 Students |
| Pass-out Students of college    | Mechanical Technology Pass outs (Year-2015) | 25 Students  |

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**TEACHERS ENGAGED WITH CLASSES**

The following respected teachers were engaged to assist the companies' representative regarding conduct of interviews of students.

| Sr. No. | NAME OF CO-ORDINATOR | CLASS   |
|---------|----------------------|---------|
| 1.      | ANWAAR-UL-HAQ        | D.M.1   |
| 2.      | ATIF ATTIQUE         | D.M.2   |
| 3.      | MEHDI KHAN           | D.M.3   |
| 4.      | AKRAM SARFRAZ        | D.M.4   |
| 5.      | SAEED TAHIR          | D.M.E.1 |
| 6.      | TAYYAB USMAN         | D.M.E.2 |
| 7.      | MUHAMMAD RAZZAQ      | D.M.E.3 |
| 8.      | AZHAR MAHMOOD        | D.M.E.4 |
| 9.      | KHALID FAREED        | D.M.E.5 |

**CLOSURE**

At the end of the program the Principal pay special thanks to all guests. After that they were call for the tea. Students were already entertained by Biscuits and Juices.



**Chapter 5**

**FEEDBACK FROM THE INDUSTRIES**

Total 11 industries visited GCT Railway Road on the career day. Session regarding feedback from the industries is carried out and the proceedings of the session are given below.

- MS AJR Metal fabricator is satisfy with our career day program and said that it is a healthy activity through which students can easily approach to the industries. They assure us to hire our students but it is still confidential.
- MS Qadros Engineering Pvt Ltd is satisfied and they impressed with our career day activity. They were satisfied with career day activity and appreciate the co-ordination of our college management.
- MS Infinity Engineering are satisfied with our program and found our students to answer the entire question asked to them. They appreciate our revised curriculum.
- MS Mughal steel Pvt Ltd appreciated and satisfied with our career day program. They have setup of CNC and they assured to train our students at their end.
- MS Ravi Autos Pvt Ltd appreciated and satisfied with our career day program and advice, it should be mandatory. They found our students up to the mark to become a part of their organization and assure to hire our students as per need.
- MS Hi-Tech good to see the technical stream also motivated to their student. They assure to hire our three students for their organization.

添付資料 6-16-2 : Career Day Report 2017 (GCT RR 校)

# Report of Career Day D.A.E. Mechanical Technology 2017

April 27, 2017

Government College of Technology, Railway Road, Lahore

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### Chapter 1

#### INTRODUCTION:

GCT Railway Road Lahore arranged a Career Day on 27<sup>th</sup> April 2017 for the final year students. It was a good exercise for providing a platform for the students to meet the industrialists and to get the job opportunity. In order to strengthen the linkage between industries and GCT RR, the following activities were exercised in order to get better results:

- Lectures from the Industrial Experts on different topics were arranged.
- Skill Competition was held among the students.
- Career Day for Mechanical Technology (3<sup>rd</sup> Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2<sup>nd</sup> year students.

To enhance the importance of career day and to make sure that students understand the meaning and importance of career day, this activity is very much necessary. It provides an opportunity for our students to meet with the representatives from a variety of industries and professionals.

Career day is beneficial for both i.e. industry and pass outs. Intellectual, skilled and brilliant pass outs can be selected by the industry which will be more valuable for the development of industry. On the other hand, it is also important that DAE (Mechanical) pass outs will be able to get job in an industry. Ultimately country will move up in technology and skill.

### Chapter 2

#### PREPARATION REGARDING CAREER DAY:

##### PROJECT TEAM

The following project team for career day notified by the Principal GCT RR:

| Sr. No. | Name & Designation            | Nominated As         | Duty Assigned  |
|---------|-------------------------------|----------------------|--|
| 1.      | Amjad Elahi, Chief Instructor | Convener             | To organize and monitor the activities of career day                                 |
| 2.      | Razzaq Khan, Sr. Instructor   | Member               | To make list of industries and coordinate with industries                            |
| 3.      | Tanveer Iqbal, Sr. Instructor | Member               | To make arrangements regarding refreshment and lunch for the participants and guests |
| 4.      | Saeed Tahir, Instructor       | Member               | To make necessary arrangements for preparation of Faisal Hall                        |
| 5.      | Atif Attique, Instructor      | Member               | Coordinated with the industrial representatives to get their willingness             |
| 6.      | Tayyab Usman, Instructor      | Member               | Coordinated with the industrial representatives to get their willingness             |
| 7.      | Khalid Fareed, Instructor     | Member               | Coordinated with the industrial representatives to get their willingness             |
| 8.      | Akram Sarfraz, Instructor     | Member               | To make the flexes regarding career day  |
| 9.      | Umer Farooq, Instructor       | Member               | Collection of Students CV's and preparation of industries and students data lists    |
| 10.     | Sajid Ali, Instructor         | Member               | Collection of Students CV's and preparation of industries and students data lists    |
| 11.     | Tajammal Butt, Jr. Instructor | Internal Coordinator | To make necessary arrangements of Faisal Hall  |

**STUDENTS SELECTION**

CV of final year students collected by the class respective and after that categorized them in to different groups so that different class students make a group. Fail students are not invited in the career day. Only those participants were invited who passed their 2<sup>nd</sup> year examination. From the nine sections of Mechanical Technology 300 students were invited.

**SELECTION OF INDUSTRIES**

A list of industries prepared by the respective members and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Maximum industries accepted the invitation. Some industries appreciated this type of activity and requested to continue it in future.

Industries were divided according to their direction in to different pools as follows:

| Sr. No. | Pool Type | Area of Industry          | Invited Industries |
|---------|-----------|---------------------------|--------------------|
| 1       | A         | Shehikupura Road          | 09                 |
| 2       | B         | Daroghewala               | 06                 |
| 3       | C         | Multan Road               | 04                 |
| 4       | D         | Gajjomata , Ferozpur Road | 03                 |
| 5       | E         | Raiwind Road              | 05                 |

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**INVITATION LETTERS**

The invitation letters sent to the industries on 18<sup>th</sup> April, 2017 via post and email by convener Mr. Amjad Elahi and member Mr. Umer Farooq.

Followings industries were invited on the event being scheduled:

| Sr. No. | Name of Industries             | Address   | Area of Working               |
|---------|--------------------------------|---|-------------------------------|
| 1.      | Metal Forming Pvt. Ltd.        | Ferozpur Road Near Bank Stop Lahore                       | Mechanical Fabrication        |
| 2.      | Stahlco Pvt. Ltd.              | Ferozpur Road Near Masjid-e-Ibrahim Lahore                | Automotive Parts              |
| 3.      | AIR Metal Fabricator           | 16-17 Km Lahore Shehikupura Road Misson Collar Shiekupura | Mechanical Fabrication        |
| 4.      | Power Vision System Pvt. Ltd.  | 15 Km Multan Road Pakaa Mile Shahpur Lahore               | Generators, Fabrication       |
| 5.      | Hi-TEK Manufacturing Pvt. Ltd. | Near Mominpura Telephone Exchange Daroghewala Lahore      | Mechanical Fabrication        |
| 6.      | Alpine Industrial Con Pvt Ltd  | 305/2 G.T. Road Baghbanpura Lahore                        | Automotive Parts              |
| 7.      | Stanley Industries             | 218 – B/6 Saidpur Multan Road Lahore                      | Automotive Parts              |
| 8.      | Al-Badr Engineering            | 18.k.m Shehikupura Road Lahore                            | Automotive Parts              |
| 9.      | RimTaj Industries Pvt. Ltd.    | opposite Mansoorah Multan Road Lahore                     | Manufacturing , Fabrication   |
| 10.     | Ravi Autos Pvt. Ltd.           | Shehikupura Road Lahore                                   | Automotive Parts              |
| 11.     | Infinity Engineering           | 13 Km Shehikupura Road Lahore                             | Auto Parts , CNC, Fabrication |
| 12.     | Mughal Steel                   | 17 km Shehikupura Road, Lahore                            | Steel product Manufacturing   |
| 13.     | Pakistan Spring Pvt. Ltd.      | Shehikupura Road, Shehikupura                             | Springs Manufacturing         |
| 14.     | New Asia Automobiles Pvt. Ltd. | 18.5 Km Shehikupura Road Lahore                           | Automotive                    |

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|     |                                   |  |                               |
|-----|-----------------------------------|--|-------------------------------|
| 15. | Fiber Tech Composites             | Canal Bank Hanif Park Harbanspura Lahore   | FRP products and equipment    |
| 16. | Happy Manufacturing Pvt. Ltd.     | Salamat Pura Stop G.T. Road Lahore   | Automotive Parts              |
| 17. | M.A Nawaz & Brothers              | 41-A Shalamar Link Road Mughalpur Lahore   | Fabrication, Automotive part  |
| 18. | Super Asia Pvt. Ltd.              | 38-Km Nangla Stop G.T Road Muridkey District Shehikupura                         | Automotive                    |
| 19. | Atlas Honda Ltd.                  | 26-27 Km LHR-SKP Road Shiekupura   | Automotive                    |
| 20. | Coca Cola Pakistan                | 23 Km Raiwand Road Lahore  | Beverage industry             |
| 21. | QadBros Engineering Pvt. Ltd.     | 72-A Shareef Centre Commercial Area Lzmir Housing Society Canal Bank Road Lahore | Fabrication and manufacturing |
| 22. | Colgate-Palmolive (Pakistan) Ltd. | 217-Sundar Industrial Raiwand Lahore   | Personal care products        |
| 23. | N Star Corporation                | Alsiraj Park St#2 Near Momanpura Exchange Daroghewala Lahore                     | Mechanical Fabrication        |
| 24. | Ohad Motor Pvt. Ltd.              | 10-Km Raiwand Road Near Bhohtian Chowk (Rohi Nala) Lahore                        | Automotive                    |
| 25. | Omega Industries                  | 42-Km Ferozpur Road Opp. Wanda Darbar Lulayani District Kasur                    | Automotive                    |
| 26. | Hawks Engineering Works           | Plot No 9/C, Holiday Park, , 5.5 KM, Raiwind Road, Lahore                        | Automotive Parts              |
| 27. | Mecas Engineering Pvt. Ltd        | 1/2 Km Katar Bund Road,Thokar Niaz Baig  | Automotive Parts, CNC         |

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The sample Invitation letter forwarded to industries is as follows:

**Subject: INVITATION FOR PARTICIPATION IN CAREER DAY**

Government College of Technology Railway Road Lahore would be pleased to inform you that we are organizing Career Day since last five years. The main purpose of this event is to introduce our skilled manpower and technical students with the industries.

As you know that GCT R.R Lahore has been recognized as one of the pioneer institute in the field of technology and providing skilled/trained strength to many industries.

Since December 2008 JICA is continuously engaged with GCT R.R Lahore administration in developing center of excellence. JICA has also helped GCT R.R Lahore by revising curricula of Mechanical Technology, providing latest/upgraded machines and equipment having worth of millions along with providing training to our teaching staff locally and internationally. With continuous efforts of JICA students are able to get training on most modern/latest equipment in order to cope up with arising needs of the industries.

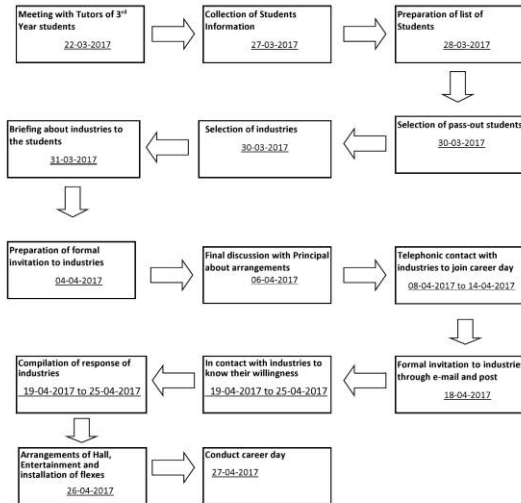
As we consider your organization one of the well-known industry and having a good worth in market. We feel pride to invite your representative on the **Career Day** which is going to be held on **27-04-2017** at Faisal Hall GCT R.R Lahore.

Kindly join us to conduct interview of Mechanical Technology students in order to evaluate them for placement in your industry. Career Day is the opportunity for industry to have interaction with skilled manpower, simultaneously opportunity for students to get awareness about the industry and help them to join well-known industries.

Engr. Tariq Mahmood  
Principal

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### Road Map Preparation of Career Day (D.A.E. Mechanical, 2017)



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#### ARRANGEMENTS OF FAISAL HALL

Almost 12 teachers and 5 staff attendants were mobilized for setting up 22 desks and chairs for students and industrial representative. Stall of each industry is separately prepared so that students can interact with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue are:

- Table and Chairs.
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants were requested to bring their Laptop and Advertising flex, Standees for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.

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#### Chapter 3

##### BRIEF OF PARTICIPATED INDUSTRIES

List of participated Industries along with their representative description is as follows:

| Sr. # | Name of Industries                | Name of Representative with Designation  |
|-------|-----------------------------------|--|
| 1.    | QadBros Engineering Pvt. Ltd.     | Ghulam Yasin Gill (Incharge Production)<br>Mumtaz Ahmad (Incharge Training & Placement)      |
| 2.    | Colgate-Palmolive (Pakistan) Ltd. | Navid Ahmed ( Manager HR)<br>Abid Ali (Sr. Manager Production)                               |
| 3.    | Ravi Autos Pvt. Ltd.              | Ghulam Rasool (Manager Production)<br>Bashir Ahmed (Manager Quality Assurance)               |
| 4.    | Infinity Engineering              | Ashiq Man (Assistant Manager)<br>Faizan Ali (Job Placement Officer)                          |
| 5.    | Hi-TEK Manufacturing Pvt. Ltd.    | Muhammad Awais (Mechanical Engineer)<br>Muhammad Nasir (Production Engineer)                 |
| 6.    | Mughal Steel                      | Muhammad Irfan (Manager HR)<br>Muhammad Nasir (Assistant Manager HR)                         |
| 7.    | Stanley Industries                | Abdul Hameed (Plant Manager)   |
| 8.    | Ohad Motor Pvt. Ltd.              | Muhammad Shoab (Sr. Manager Technical)<br>Rizwan Ahmed (Manager HR)                          |
| 9.    | Omega Industries                  | Azhar Hussain (Plant Manager)<br>Sami-ullah (Quality Control Manager)                        |
| 10.   | Super Asia Pvt. Ltd.              | Zaigham Bilal (Manager Quality Control)  |
| 11.   | Mecas Engineering Pvt. Ltd        | Ghufran Elahi (Deputy Manager Quality Assurance)   |
| 12.   | Metal Forming Pvt. Ltd.           | Malood Shahid (CEO)<br>Ahmed Nisar (Engineeing Manager)                                      |
| 13.   | N Star Corporation                | Shouban Akhtar (Managing Director)   |
| 14.   | Power Vision System Pvt. Ltd.     | Muhammad Irfan Ali (Manager HR)<br>Muhammad Amjad Ali (Manager Quality Assurance)            |
| 15.   | AJR Metal Fabricator              | Hafiz Zahid Saifi (Assistant Manager P&P)  |
| 16.   | Happy Manufacturing Pvt. Ltd.     | Junaid Hassan ( Manager Production)  |
| 17.   | PECS Industries                   | Ifthikhar Ahmed (General Manager Technical)<br>Usman Zahid (General Manager Quality Control) |
| 18.   | Uppal Engineering                 | Fawad Uppal (Chief Executive)  |

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#### Chapter 4

##### CONDUCT OF CAREER DAY:

The career day program carried out on 27<sup>th</sup> April started at 09:30 AM with opening address and finished at 4:30 PM with thanking address of Principal. Totally 18-industries and 300 students of 3<sup>rd</sup> year D.A.E. mechanical participated in the career day. The program, participants and teachers engaged in are listed as follows.

##### PROGRAM

| Time     | Activity                 | By                                    |
|----------|--------------------------|---------------------------------------|
| 9:30 AM  | Reception of Guests      | Convener and Members of Career Day    |
| 9:40 AM  | Recitation of Holy Quran | Student (Mechanical Technology)       |
| 9:50 AM  | Naat Shareef             | Student (Mechanical Technology)       |
| 9:55 AM  | Welcome Address          | Convener (Career Day)                 |
| 10:00 AM | Start of Interviews      | Industrial Representatives and Tutors |
| 11:30 AM | Refreshment              | Refreshment Committee                 |
| 1:30 PM  | Lunch                    | Principal, GCT Railway Road           |
| 4:00 PM  | Closing/Thanking Address | Principal, GCT Railway Road           |

##### STUDENTS PARTICIPATED

|                                 |   |              |
|---------------------------------|---|--------------|
| Final Year Students (Year-2017) | Total 9 classes of Mechanical Technology    | 350 Students |
| Pass-out Students of college    | Mechanical Technology Pass outs (Year-2016) | 50 Students  |

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**TEACHERS ENGAGED WITH INDUSTRIES**

The following respected teachers were engaged to assist the companies' representative regarding conduct of interviews of students.

| Sr. No. | NAME OF CO-ORDINATOR AND TUTOR | CLASS   | NAME OF INDUSTRIES   |
|---------|--------------------------------|---------|--|
| 1.      | SAJID ALI                      | D.M.1   | i. Colgate-Palmolive (Pakistan) Ltd.<br>ii. AJR Metal Fabricator       |
| 2.      | ATIF ATTIQUE AND AZHAR MEHMOOD | D.M.2   | i. QadBros Engineering Pvt. Ltd.<br>ii. Hi-TEK Manufacturing Pvt. Ltd. |
| 3.      | MEHDI KHAN                     | D.M.3   | i. Infinity Engineering<br>ii. Stanley Industries                      |
| 4.      | AKRAM SARFRAZ                  | D.M.4   | i. Mughal Steel<br>ii. N-Star Corporation                              |
| 5.      | SAEED TAHIR                    | D.M.E.1 | i. Ravi Autos Pvt. Ltd.<br>ii. Metal Forming Pvt. Ltd.                 |
| 6.      | TAYYAB USMAN                   | D.M.E.2 | i. Uppal Engineering Pvt. Ltd.<br>ii. PECS Industries                  |
| 7.      | MUHAMMAD RAZZAQ                | D.M.E.3 | i. Super Asia<br>ii. Happy Manufacturing Pvt. Ltd.                     |
| 8.      | UMER FAROOQ                    | D.M.E.4 | i. Ohad Motors<br>ii. Omega Motors                                     |
| 9.      | KHALID FAREED                  | D.M.E.5 | i. MECAS Engineering<br>ii. Power Vision Pvt. Ltd.                     |

**CLOSURE**

At the end of the program the Principal pay special thanks to all guests. After that they were call for the tea. Students were already entertained by Biscuits and Juices.

**Chapter 5**

**FEEDBACK FROM THE INDUSTRIES**

Total eighteen industries visited GCT Railway Road for the career day. Session regarding feedback from the industries is carried out and the proceedings of the session are given below.

**1) AJR METAL FABRICATOR**

- MS AJR Metal fabricator is satisfy with our career day program and said that it is a healthy activity through which students can easily approach to the industries.
- They assure us to hire our students but it is still confidential.
- Respondent of AJR Metal said, as we are belongs of this institution and we observed the standard of education is improved.

**2) QadBros Engineering Pvt Ltd**

- MS QadBros Engineering Pvt Ltd is satisfied and they impressed with our career day activity.
- Some students are found intelligent and they assure us to hire the students as per need.
- They were satisfied with our new revised course and fulfill the modern needs of industries.

**3) METAL Forming Pvt Ltd**

- They were satisfied with career day activity and appreciate the co-ordination of our college management.
- List of students has been prepared who will work with them in future.

**4) Infinity Engineering**

- MS Infinity Engineering are satisfied with our program and found our students to answer the entire question asked to them.
- They assure to hire the students of our college and also send our students to other industries as per their industrial relations.
- They appreciate our revised curriculum.

**5) Mughal steel Pvt Ltd**

- MS Mughal steel Pvt Ltd appreciated and satisfied with our career day program.
- They will hire our two to three students and will also refer to other industries.
- They have small setup of CNC but they assure to train best our students at their end.

**6) Ravi Autos Pvt Ltd**

- MS Ravi Autos Pvt Ltd appreciated and satisfied with our career day program and advice, it should be mandatory.
- They found our students up to the mark to become a part of their organization and assure to hire our students as per need.

**7) MECAS ENGINEERING**

- MS MECAS Engineering satisfied with this activity but it should be more comfortable.
- They assure to hire our students but it is confidential due to policy matter.
- They found students to well answer the questions and know how to appear in front of interviewer.

**8) HI-TECH MANUFACTURING**

- MS Hi-Tech good to see the technical stream also motivated to their student.
- They assure to hire our three students for their organization but could not told due to company policy
- Students were efficient and fully prepared for interview in terms of their educational competencies and in terms of behavior.

**9) Ohad Motors Pvt Ltd**

- MS Ohad Motors Pvt Ltd appreciated this career day activity and said it is a best way to give jobs to the students and it is easy to find the good employee for students.
- They have new setup not only in Pakistan but in seven other countries in world and required lot of student for their organization and assure to hire in bulk quantity.

**10) COLGATE PALMOLIVE**

- MS Colgate Palmolive was satisfied with our career day activity and advice to improve more for the next time.
- They assure to hire students in bulk quantity for their organization but after passing out their final examination.

**Chapter 6**

**PHOTO GALLERY**



Colgate Palmolive Pakistan Representatives taking interview of student



QadBros Pvt. Ltd. Representatives taking interview of student



Infinity Engineering Pvt. Ltd. Representatives taking interview of student



Hi-Tek Pvt. Ltd. Representatives taking interview of student



Ohad Motors Pvt. Ltd. Representatives taking interview of student



Ravi Autos Pvt. Ltd. Representatives taking interview of student



Students Participated in Career Day



Students Participated in Career Day



Power Vision Pvt. Ltd. Representatives taking interview of student



Mughal Steel Representatives taking interview of student





Super Asia Pvt. Ltd. Representatives taking interview of student



Metal Forming Pvt. Ltd. Representatives along with Razaq Khan



Uppal Engineering Pvt. Ltd. Representatives taking interview of student



Amjad Elahi (Incharge Career Section) exchanging views with MECAS Engineering Representatives



Amjad Elahi (Incharge Career Section) exchanging views with Ravi Autos Representatives



Amjad Elahi (Incharge Career Section) exchanging views with Colgate Palmolive Representatives



Career Section Team Atif Attique, Amjad Elahi (Incharge) and Umer Farooq



Usman Tufail (JICA Coordinator) with Amjad Elahi (Incharge)



Amjad Elahi (Incharge Career Section) Getting Feed Back From Industrial Representatives



Tea and Closing of Ceremony

添付資料 6-16-3 : Career Day Report 2018 (GCT RR 校)

# Report of Career Day

## D.A.E. Mechanical Technology

### 2018



September 13, 2018

Government College of Technology, Railway Road, Lahore

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### INTRODUCTION:

GCT Railway Road Lahore arranged a Career Day on 13<sup>th</sup> September 2018 for the final year students of DAE Mechanical. This year Career Day has been held in the month of September, after the declaration of third year student's result. It was a good activity for providing a platform for the pass-out students to interact with the representatives of different industries and get the job opportunity. In order to strengthen the linkage between industries and GCT Railway Road, the following activities were exercised in order to get better results:

- Lectures from the Industrial Experts on different topics were arranged.
- Skill Competition was held among the students.
- Career Day for Mechanical Technology (3<sup>rd</sup> Year Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).

To enhance the importance of career day and to make sure that students understand the meaning and importance of career day, this activity is very much necessary. It provides an opportunity for our students to meet with the representatives from a variety of industries and professionals.

Career day is beneficial for both i.e. industry and pass outs. Intellectual, skilled and brilliant pass outs can be selected by the industry which will be more valuable for the development of industry. On the other hand, it is also important that DAE Mechanical pass outs will be able to get job in an industry. Ultimately country will move up in technology and skill.

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### PREPARATION REGARDING CAREER DAY:

#### PROJECT TEAM

The following project team for Career Day notified by the Principal GCT Railway Road:

| Sr. No. | Name & Designation              | Nominated As         | Duty Assigned   |
|---------|---------------------------------|----------------------|---|
| 1.      | Tariq Khan, Sr. Instructor      | Convener             | To organize and monitor the activities of Career Day  |
| 2.      | Razaq Khan, Sr. Instructor      | Member               | To make list of industries and coordinate with industries   |
| 3.      | Umer Farooq, Instructor         | Member               | To make list of industries and coordinate with industries<br>Send Formal invitation to industries through post and mail |
| 4.      | Tanveer Iqbal, Sr. Instructor   | Member               | To make arrangements regarding refreshment (By JICA) for the participants and guests                                    |
| 5.      | Saeed Tahir, Instructor         | Member               | To make necessary arrangements for preparation of Faisal Hall   |
| 6.      | Atif Attique, Instructor        | Member               | Coordinated with the industrial representatives to get their willingness  |
| 7.      | Sajid Ali, Instructor           | Member               | Coordinated with the industrial representatives to get their willingness  |
| 8.      | Khalid Fareed, Instructor       | Member               | Coordinated with the industrial representatives to get their willingness  |
| 9.      | Akram Sarfraz, Instructor       | Member               | To make the flexes regarding career day   |
| 10.     | Muhammad Arslan, Jr. Instructor | Member               | Collection of Students CV's and preparation of industries and students data lists                                       |
| 11.     | Tajammal Butt, Jr. Instructor   | Internal Coordinator | To make necessary arrangements of Faisal Hall   |

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### STUDENTS SELECTION

CV of final year students collected by the class respective and after that categorized them in to different groups so that different class students make a group. From the nine sections of Mechanical Technology 380 students were invited. Students were divided into four zones according to their addresses as follows:

| Sr. No. | Zone | Area                      | No. of Students |
|---------|------|---------------------------|-----------------|
| 1       | A    | Sheikhupura Road          | 144             |
| 2       | B    | Multan Road               | 32              |
| 3       | C    | Gajjomata , Ferozpur Road | 60              |
| 4       | D    | Mughalpara, Daroghawala   | 145             |

(See Appendix-I: List of Students attached in Appendix-I)

### SELECTION OF INDUSTRIES

A list of industries prepared by the respective members and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Some industries appreciated this type of activity and requested to continue it in future. Industries were divided into four zones depending on the area as follows:

| Sr. No. | Zone | Area of Industry          | Invited Industries |
|---------|------|---------------------------|--------------------|
| 1       | A    | Sheikhupura Road          | 12                 |
| 2       | B    | Multan Road               | 10                 |
| 3       | C    | Gajjomata , Ferozpur Road | 09                 |
| 4       | D    | Mughalpara, Daroghawala   | 10                 |

(See Appendix-I: List of Invited Industries attached in Appendix-I)

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### INVITATION LETTERS

The invitation letters sent to the industries on 31<sup>st</sup> August, 2018 via post and through email on 4<sup>th</sup> of September, 2018.

Followings industries were invited on the event being scheduled:

| Sr. No. | Name of Industries             | Address   | Area of Working                     |
|---------|--------------------------------|---|-------------------------------------|
| 1.      | Metal Forming Pvt. Ltd.        | Ferozpur Road Near Bank Stop Lahore                       | Mechanical Fabrication              |
| 2.      | Stahlco Pvt. Ltd.              | Ferozpur Road Near Masjid-e-Ibrahim Lahore                | Automotive Parts                    |
| 3.      | AJR Metal Fabricator           | 16-17 Km Lahore Sheikhupura Road Misson Collar Shiekupura | Mechanical Fabrication              |
| 4.      | Power Vision System Pvt. Ltd.  | 16 Km Multan Road Pakaa Mile Shahpur Lahore               | Generators, Fabrication             |
| 5.      | Hi-TEK Manufacturing Pvt. Ltd. | Near Mominpura Telephone Exchange Daroghewala Lahore      | Mechanical Fabrication              |
| 6.      | Alpine Industrial Con Pvt Ltd  | 305/2 G.T. Road Baghbanpura Lahore                        | Automotive Parts                    |
| 7.      | Stanley Industries             | 218 – B/6 Saidpur Multan Road Lahore                      | Automotive Parts                    |
| 8.      | Al-Badr Engineering            | 18.km Sheikhupura Road Lahore                             | Automotive Parts                    |
| 9.      | RimTaj Industries Pvt. Ltd.    | opposite Mansoorah Multan Road Lahore                     | Manufacturing , Fabrication         |
| 10.     | Ravi Autos Pvt. Ltd.           | Sheikhupura Road Lahore                                   | Automotive Parts                    |
| 11.     | Infinity Engineering           | 13 Km Sheikhupura Road Lahore                             | Auto Parts , CNC, Fabrication       |
| 12.     | Mughal Steel                   | 17 km Sheikhupura Road, Lahore                            | Steel product Manufacturing Springs |
| 13.     | Pakistan Spring Pvt. Ltd.      | Sheikhupura Road, Sheikhupura                             | Manufacturing                       |
| 14.     | New Asia Automobiles Pvt. Ltd. | 18.5 Km Sheikhupura Road Lahore                           | Automotive                          |

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|     |                                   |   |                               |
|-----|-----------------------------------|---|-------------------------------|
| 15. | Fiber Tech Composites             | Canal Bank Hanif Park Harbanspura Lahore  | FRP products and equipment    |
| 16. | Happy Manufacturing Pvt. Ltd.     | Salamat Pura Stop G.T. Road Lahore  | Automotive Parts              |
| 17. | M.A Nawaz & Brothers              | 41-A Shalamar Link Road Mughalpara Lahore   | Fabrication, Automotive part  |
| 18. | Super Asia Pvt. Ltd.              | 38-Km Nangla Stop G.T Road Muridkey District Sheikhupura                            | Automotive                    |
| 19. | Atlas Honda Ltd.                  | 26-27 Km LHR-SKP Road Shiekhpura  | Automotive                    |
| 20. | Coca Cola Pakistan                | 23 Km Raiwand Road Lahore   | Beverage industry             |
| 21. | QadBros Engineering Pvt. Ltd.     | 72-A Shareef Centre Commercial Area Lzmir Housing Society Canal Bank Road Lahore    | Fabrication and manufacturing |
| 22. | Colgate-Palmolive (Pakistan) Ltd. | 217-Sundar Industrial Raiwand Lahore  | Personal care products        |
| 23. | N Star Corporation                | Alsiraj Park St#2 Near Momanpura Exchange Daroghawala Lahore                        | Mechanical Fabrication        |
| 24. | Ohad Motor Pvt. Ltd.              | 10-Km Raiwand Road Near Bhohtian Chowk (Rohi Nala) Lahore                           | Automotive                    |
| 25. | Omega Industries                  | 42-Km Ferozpur Road Opp. Wanda Darbar Lulyani District Kasur                        | Automotive                    |
| 26. | Hawks Engineering Works           | Plot No 9/C, Holiday Park , 5.5 KM, Raiwind Road, Lahore                            | Automotive Parts              |
| 27. | Mecas Engineering Pvt. Ltd        | 1/2 Km Katar Bund Road,Thokar Niaz Baig   | Automotive Parts, CNC         |
| 28. | Sazgar Engineering Works Ltd.     | Sazgar Engineering Works Ltd. 88 – Ali Town, Thokar Niaz Baig, Raiwind Road, Lahore | Automotive Parts, CNC         |
| 29. | Energy Conservation Engineering   | 10 Km Sheikhupura Road , Near Rahat Carrier Dosaco Chowk LHR                        | Boiler and Fabrication        |
| 30. | Packages Limited                  | Shahrah-e-Roomi P.O Ameer Sidhu Lahore  | Packaging                     |

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|     |  |   |                         |
|-----|--|---|-------------------------|
| 31. | M.A Nawaz & Brothers                   | M.A.Nawaz & Brothers 41-A Shalamar Link Road Mughalpara Lahore            | Fabrication             |
| 32. | MS Forgings Ltd.                       | Mominpura Road, Off G.T.Road, Daroghawala, Lahore                         | Fabrication, CNC        |
| 33. | Rehan Cans                             | 27-Km, Ferozpur Road, Nishtar Colony, Lahore                              | Cans manufacturing      |
| 34. | ZDC                                    | ZDC Co. 23 KM Ferozpur Road, Ruhi Nala, Lahore                            | Automotive Parts, CNC   |
| 35. | Dynamic Packaging (Pvt) Ltd            | 22-km Off Ferozpur Road, Raj Industrial Park, Shami Street Lahore         | Packaging               |
| 36. | InterFab Pvt. Ltd.                     | 01-Km Sagian Road Mahmood Boti Interchange Ring Road Lahore               | Fabrication             |
| 37. | Honda Atlas Cars (Pakistan) Ltd        | 43 km Multan Road, Manga, Lahore  | Automotive              |
| 38. | Afaq Corporation Pvt. Limited.         | Quid -e-Azam industrial estate Kot Lakhpat Lahore                         | Fabrication, CNC        |
| 39. | Risan Engineering Industries Pvt. Ltd. | 660-Rohi Nalla, 14-KM Lahore Barki Road,Opp. Mehfozpara Garroison, Lahore | Fabrication             |
| 40. | GMS forging Pvt Ltd                    | Plot No.4 Siraj Park Daroghawala Lahore                                   | Fabrication, Auto parts |
| 41. | Millat Tractors Ltd.                   | Millat Tractors Limited Sheikhupura Road, Shahdara Lahore                 | Automotive              |

(See Appendix-II: Invitation Letters For Participation to Industries attached in Appendix-II)

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The sample Invitation letter forwarded to industries is as follows:

To,  
 Manger HR  
 Packages Limited  
 Shahrah-e-Roomi  
 P.O Ameer Sidhu Lahore

**Subject: INVITATION FOR PARTICIPATION IN CAREER DAY**

Principal, Government College of Technology Railway Road Lahore would be pleased to invite you in "Career Day". The main purpose of this event is to introduce our technical and skilled graduates with the industries for placement.

We also feel pride to introduce you that Govt. College of Technology Railway Road Lahore with collaboration of JICA equipped with the state of art machinery, tools, equipment, latest curriculum according to need of industry and having status of "Centre of Excellence".

As we consider **M/S Packages Ltd.** is one of the well-known industry and having a good worth in market. We feel proud to invite your representatives on the **Career Day** which is going to be held on **13-09-2018 at 9:00 am** at Faisal Hall of this college.

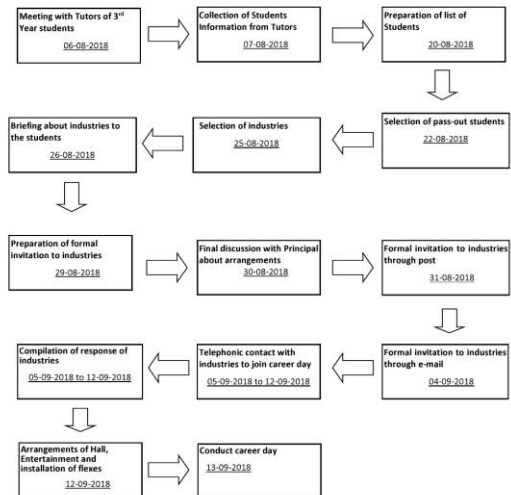
It is worth mentioning here that as per your valuable feedbacks and suggestions we have scheduled the event after the declaration of DAE result so that only interested and pass-out graduates will attend. Kindly join us to conduct interviews of DAE Mechanical Technology graduates in order to evaluate them for placement in your industry.

We highly appreciate if you acknowledge through email at [gctthr.career@gmail.com](mailto:gctthr.career@gmail.com) or through post to the undersigned along with the details of your representatives so that we can make arrangements accordingly.

**Engr. Tariq Mahmood**  
 Principal  
 Government College of Technology, Lahore

**Road Map**

**Preparation of Career Day (D.A.E. Mechanical, 2018)**



**ARRANGEMENTS OF FAISAL HALL.**

Almost 6 teachers and 5 staff attendants were mobilized for setting up 20 desks and chairs for students and Industrial representative. Stall of each industry is separately prepared so that students can interact with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue are:

- Table and Chairs.
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants were requested to bring their Laptop and Advertising flex, Standaes for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.

(See Appendix-III: Seating Plan of Event attached in Appendix-III)

**BRIEF OF PARTICIPANTS**

List of participated Industries along with their representative description is as follows:

| Sr. # | Name of Industries                     | Name of Representative with Designation   |
|-------|--|---|
| 1.    | QadBros Engineering Pvt. Ltd.          | Mumtaz Khan(Incharge Training & Placement)<br>Umair Khan (Maintenance Head)                     |
| 2.    | Honda Atlas Cars (Pakistan) Ltd.       | Farhat Yasin (Deputy Manager HR)<br>Ayesha Azeem (Assistant Manager HR)                         |
| 3.    | Ravi Autos Pvt. Ltd.                   | Ghulam Rasool (Manager HR & Admin)<br>Bashir Ahmed (Deputy Manager Quality Assurance)           |
| 4.    | Infinity Engineering                   | Farhan Khalid (Job Placement Officer)<br>Hafiz Muneer (Marketing Officer)                       |
| 5.    | Hi-TEK Manufacturing Pvt. Ltd.         | Muhammad Awais (Mechanical Engineer)<br>Muhammad Nasir (Production Engineer)                    |
| 6.    | Packages Ltd. Lahore                   | Syed Mubashir Hussain (Manager EHS)<br>Yasir Bhatti (Assistant Manager Welfare)                 |
| 7.    | Stanley Industries                     | Abdul Hameed (Plant Manager)<br>Gul Rehman (QC Inspector)                                       |
| 8.    | Mecas Engineering Pvt. Ltd             | Ghufran Elahi (Deputy Manager Quality Assurance)  |
| 9.    | Metal Forming Pvt. Ltd.                | Nisar Ahmad (Engineering Manager)<br>Abdul Aziz (Design Engineer)                               |
| 10.   | AJR Metal Fabricator                   | Hafiz Zahid Saifi (Assistant Manager P&P)   |
| 11.   | Happy Manufacturing Pvt. Ltd.          | Zaman Sadiq (GM Production)   |
| 12.   | Zahoor Die Casting Co.                 | Ahmed Raza(Assistant Manager Quality Control)<br>Faisal Chaudhary(Assistant Manager Production) |
| 13.   | Risan Engineering Industries Pvt. Ltd. | Jahanzaib Ali (Manager Operations)<br>M. Usama Khan. (in charge QC)                             |

(See Appendix-V: Attendance of Participants attached in Appendix-V)



List of Participants from JICA is as follows:

| Sr. No. | Name                    | Designation  |
|---------|-------------------------|--|
| 1.      | Mr. Engr. Noburu Kakisu | Chief Advisor, JICA                                  |
| 2.      | Mr. Engr. Osamu Sasaki  | Deputy Chief Advisor, JICA                           |
| 3.      | Mr. Usman Tufail        | JICA GCT's Project Assistant<br>Assistant Consultant |

List of Participants from TEVTA is as follows:

| Sr. No. | Name               | Designation                      |
|---------|--------------------|----------------------------------|
| 1.      | Mr. Aqib Shareef   | JICA Project Co-ordinator, TEVTA |
| 2.      | Madam Uzma Nadia   | DGM Placement, TEVTA             |
| 3.      | Mr. Kashif Rasheed | Deputy Manager, TEVTA            |

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#### CONDUCT OF CAREER DAY:

The Career Day program carried out on 13<sup>th</sup> September started at 09:00 AM with opening address of Mr. Engr. Tariq Mahmood, Principal GCT Railway Road Lahore, Mr. Engr. Noburu Kakisu JICA Chief Advisor and finished at 2:30 PM with thanking address of Convener Career Day. Totally 13 industries and 250 students of 3<sup>rd</sup> year D.A.E. mechanical participated in the Career Day. The program schedule is as follows:

#### PROGRAM

| Time     | Activity                 | By  |
|----------|--------------------------|---|
| 9:00 AM  | Reception of Guests      | Convener and Members of Career Day                |
| 9:10 AM  | Recitation of Holy Quran | Student (Mechanical Technology)                   |
| 9:15 AM  | Naat Shareef             | Student (Mechanical Technology)                   |
| 9:20 AM  | Welcome Address          | 1. Principal, GCT Railway Road<br>2. JICA Advisor |
| 9:30 AM  | Start of interviews      | Industrial Representatives and Tutors             |
| 11:00 AM | Refreshment/Tea          | Sponsored by JICA                                 |
| 2:00 PM  | Closing/Thanking Address | Convener (Career Day)                             |

(See Appendix-IV: Speeches of Principal GCT R.R and JICA Chief Advisor attached in Appendix-IV)

#### STUDENTS PARTICIPATED

|  |   |              |
|--|---|--------------|
| Final Year Students<br>(Passing Year-2018) | Total 9 classes of Mechanical<br>Technology | 250 Students |
|--|---|--------------|

(See Appendix-V: Attendance of Students attached in Appendix-V)

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#### TEACHERS ENGAGED WITH INDUSTRIES

The following respected teachers were engaged to assist the companies' representative regarding conduct of interviews of students.

| SR. NO. | NAME OF CO-ORDINATOR AND TUTOR | NAME OF INDUSTRIES                 |
|---------|--------------------------------|------------------------------------|
| 1.      | SAJID ALI                      | i. Metal Forming                   |
|         |                                | ii. Stanley Industries             |
| 2.      | ATIF ATTIQUE                   | i. Qadros Engineering Pvt. Ltd.    |
|         |                                | ii. Hi-TEK Manufacturing Pvt. Ltd. |
| 3.      | KHALID FAREED                  | i. Happy Manufacturing Pvt. Ltd.   |
|         |                                | ii. Risan Engineering              |
| 4.      | AKRAM SARFRAZ                  | i. MECAS Engineering               |
|         |                                | ii. Atlas Honda Cars               |
| 5.      | SAEED TAHIR                    | i. Ravi Autos Pvt. Ltd.            |
|         |                                | ii. Zahoor Die Casting             |
| 6.      | MUHAMMAD RAZZAQ                | i. Infinity Engineering            |
|         |                                | ii. AJR Metal Fabricators          |
| 7.      | UMER FAROOQ                    | i. Packages Pvt. Ltd.              |
|         |                                | ii. Zahoor Die Casting             |

#### CLOSURE

At the end of the program Mr. Tariq Khan, Convener Career Day pay special thanks to all guests.

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#### FEEDBACK FROM THE INDUSTRIES

Total Thirteen industries visited GCT Railway Road for the Career Day. Session regarding feedback from the industries is carried out.

(See Appendix-VI: Feedback from the Industries attached in Appendix-VI)

#### RECOMMENDATIONS BY GCT RAILWAY ROAD

1. This year for the first time we have organized Career Day in the month of September that is after the declaration of 3<sup>rd</sup> year result so we recommend that next Career day will also be held after the declaration of students result.
2. We recommend that in next Career Day only those graduates will be presented for interview that are willing for job. For this a "STUDENT WILLING CERTIFICATE" counter-signed by their parents must be collected so that we know that how many graduates are willing to do job.
3. We also recommend that like this year Career Day next time also some JICA Officials will attend the event.

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PHOTO GALLERY



Packages Ltd. Representatives taking interview of student



Qadbro's Pvt. Ltd. Representatives taking interview of student

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Honda Atlas Cars (Pak) Ltd Representatives taking interview of student



Hi-Tek Pvt. Ltd. Representatives taking interview of student

18



Metal Forming Pvt. Ltd. Representatives taking interview of student



Ravi Autos Pvt. Ltd. Representatives taking interview of student

19



Happy Manufacturing Co. Representatives taking interview of student



AJR Metal Fabricator Representatives taking interview of student  
Mr. Kasif Rasheed (Deputy Manager, TEVTA also sitting next to him)

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Mr. Aqib Sharif (JICA Project Co-ordinator) & Madam Uzma Nadia (DGM Placement TEVTA) exchanging views with MECAS Engineering Representatives



Mr. Aqib Sharif (JICA Project Co-ordinator), Madam Uzma Nadia (DGM Placement) & Mr. Noboru Kakisu (JICA Chief Advisor) exchanging views with Ravi Autos Representatives



Mr. Engr. Tariq Mahmood, Principal GCT Railway Road Group Photo with Industrial Representatives and his Team



Mr. Engr. Tariq Mahmood, Principal GCT Railway Road Group Photo with Industrial Representatives, JICA Officials and his Team

添付資料 6-16-4 : Career Day Report 2019 (GCT RR 校)



# Report of Career Day D.A.E. Mechanical Technology 2019

September 26, 2019

Government College of Technology, Railway Road, Lahore

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### Introduction:

GCT Railway Road Lahore arranged a Career Day on 26<sup>th</sup> September 2019 for the final year students. It was a good exercise for providing a platform for the students to meet the industrialists and to get the job opportunity. In order to strengthen the linkage between industries and GCT RR, the following activities were exercised in order to get better results:

- Lectures from the Industrial Experts on different topics were arranged.
- Skill Competition was held among the students.
- Career Day for Mechanical Technology (3<sup>rd</sup> Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for DAE students.

To enhance the importance of career day and to make sure that students understand the meaning and importance of career day, this activity is very much necessary. It provides an opportunity for our students to meet with the representatives from a variety of industries and professionals.

Career day is beneficial for both i.e. industry and pass outs. Intellectual, skilled and brilliant pass outs can be selected by the industry which will be more valuable for the development of industry. On the other hand, it is also important that DAE (Mechanical) pass outs will be able to get job in an industry. Ultimately country will move up in technology.

3



### Preparation Regarding Career Day:

#### PROJECT TEAM

The following project team for career day notified by the Principal GCT RR:

| Sr. No. | Name & Designation            | Nominated As         | Duty Assigned  |
|---------|-------------------------------|----------------------|--|
| 1.      | Tariq Khan, Sr. Instructor    | Convener             | To organize and monitor the activities of career day                                 |
| 2.      | Razzaq Khan, Sr. Instructor   | Member               | To make list of industries and coordinate with industries                            |
| 3.      | Atif Attique, Instructor      | Member               | To make arrangements regarding refreshment and lunch for the participants and guests |
| 4.      | Saeed Tahir, Instructor       | Member               | To make necessary arrangements for preparation of Faisal Hall                        |
| 5.      | Khalid Fareed, Instructor     | Member               | To make necessary arrangements for preparation of Faisal Hall                        |
| 6.      | Akram Sarfraz, Instructor     | Member               | To make the flexes regarding career day  |
| 7.      | Umer Farooq, Instructor       | Member               | Coordinated with the industrial representatives to get their willingness             |
| 8.      | Sajid Ali, Instructor         | Member               | Coordinate with industry and students during conduct of interviews                   |
| 9.      | Tajammal Butt, Jr. Instructor | Internal Coordinator | To make necessary arrangements of Faisal Hall  |
| 10.     | Muhammad Kamran Babar         | Shop Assistant       | Collection of Students CV's and preparation of industries and students data lists    |
| 11.     | Ammar Ali Khan                | Shop Attendant       | Collection of Students CV's and preparation of industries and students data lists    |
| 12.     | Mr. Muhammad Mahmood          | Shop Assistant       | Internal Coordinator   |
| 13.     | Mr. Umer Farooq               | Shop Attendant       | Internal Coordinator   |
| 14.     | Mr. Intesar Abbas             | Shop Assistant       | Internal Coordinator   |

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**Students Selection**

CV of final year students collected by the class respective and after that categorized them in to different groups so that different class students make a group. From the nine sections of Mechanical Technology 260 students were invited. Students were divided into four zones according to their addresses as follows:

| Sr. No. | Zone | Area                      | No. of Students |
|---------|------|---------------------------|-----------------|
| 1       | A    | Sheikhupura Road          | 101             |
| 2       | B    | Multan Road               | 28              |
| 3       | C    | Gajjomata , Ferozpur Road | 30              |
| 4       | D    | Mughalpur, Daroghawala    | 101             |

**Selection of Industries**

A list of industries prepared by the respective members and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Some industries appreciated this type of activity and requested to continue it in future. Industries were divided into four zones depending on the area as follows:

| Sr. No. | Zone | Area of Industry          |
|---------|------|---------------------------|
| 1       | A    | Sheikhupura Road          |
| 2       | B    | Multan Road               |
| 3       | C    | Gajjomata , Ferozpur Road |
| 4       | D    | Mughalpur, Daroghawala    |



**Invitation Letters**

The invitation letters sent to the industries on 11<sup>th</sup> September, 2019 via post and email by Mr. Umer Farooq (Placement Officer), Mr. Muhammad Kamran Babar (Assistant) and Mr. Ammar Ali Khan (Assistant).

Followings industries were invited on the event being scheduled:

| Sr. No. | Name of Industries             | Address  | Area of Working               |
|---------|--------------------------------|--|-------------------------------|
| 1.      | Metal Forming Pvt. Ltd.        | Ferozpur Road Near Bank Stop Lahore                        | Mechanical Fabrication        |
| 2.      | Stahleo Pvt. Ltd.              | Ferozpur Road Near Masjid-e-Ibrahim Lahore                 | Automotive Parts              |
| 3.      | AJR Metal Fabricator           | 16-17 Km Lahore Sheikhupura Road Misson Collar Sheikhupura | Mechanical Fabrication        |
| 4.      | Power Vision System Pvt. Ltd.  | 16 Km Multan Road Pakaa Mile Shahpur Lahore                | Generators, Fabrication       |
| 5.      | Hi-TEK Manufacturing Pvt. Ltd. | Near Mominpura Telephone Exchange Daroghawala Lahore       | Mechanical Fabrication        |
| 6.      | Alpine Industrial Con Pvt Ltd  | 305/2 G.T. Road Baghbumpura Lahore                         | Automotive Parts              |
| 7.      | Stanley Industries             | 218 – B/6 Saidpur Multan Road Lahore                       | Automotive Parts              |
| 8.      | Al-Badr Engineering            | 18.km Sheikhupura Road Lahore                              | Automotive Parts              |
| 9.      | RimTaj Industries Pvt. Ltd.    | opposite Mansoorah Multan Road Lahore                      | Manufacturing , Fabrication   |
| 10.     | Ravi Autos Pvt. Ltd.           | Sheikhupura Road Lahore                                    | Automotive Parts              |
| 11.     | Infinity Engineering           | 13 Km Sheikhupura Road Lahore                              | Auto Parts , CNC, Fabrication |
| 12.     | Mughal Steel                   | 17 km Sheikhupura Road, Lahore                             | Steel product Manufacturing   |
| 13.     | Pakistan Spring Pvt. Ltd.      | Sheikhupura Road, Sheikhupura                              | Spring Manufacturing          |
| 14.     | New Asia Automobiles Pvt. Ltd. | 18.5 Km Sheikhupura Road Lahore                            | Automotive                    |
| 15.     | Fiber Tech Composites          | Canal Bank Hanif Park Harbanspura Lahore                   | FRP products and equipment    |
| 16.     | Happy Manufacturing Pvt. Ltd.  | Salamat Pura Stop G.T. Road Lahore                         | Automotive Parts              |



|     |                                   |   |                               |
|-----|-----------------------------------|---|-------------------------------|
| 17. | M.A Nawaz & Brothers              | 41-A Shalamar Link Road Mughalpur Lahore  | Fabrication, Automotive part  |
| 18. | Super Asia Pvt. Ltd.              | 38-Km Nangla Stop G.T Road Muridkey District Sheikhupura                            | Automotive                    |
| 19. | Atlas Honda Ltd.                  | 26-27 Km LHR-SKP Road Sheikhupura   | Automotive                    |
| 20. | Coca Cola Pakistan                | 23 Km Raiwand Road Lahore   | Beverage industry             |
| 21. | QadBros Engineering Pvt. Ltd.     | 72-A Shareef Centre Commercial Area Lzmir Housing Society Canal Bank Road Lahore    | Fabrication and manufacturing |
| 22. | Colgate-Palmolive (Pakistan) Ltd. | 217-Sundar Industrial Raiwand Lahore  | Personal care products        |
| 23. | N Star Corporation                | Alsiraj Park St#2 Near Momanpura Exchange Daroghawala Lahore                        | Mechanical Fabrication        |
| 24. | Ohad Motor Pvt. Ltd.              | 10-Km Raiwand Road Near Bhoobtan Chowk (Rohi Nala) Lahore                           | Automotive                    |
| 25. | Omega Industries                  | 42-Km Ferozpur Road Opp. Wanda Darbar Lulhain District Kasur                        | Automotive                    |
| 26. | Hawks Engineering Works           | Plot No 9/C, Holiday Park, , 5.5 KM, Raiwind Road, Lahore                           | Automotive Parts              |
| 27. | Mecas Engineering Pvt. Ltd        | 1/2 Km Katar Bund Road, Thokar Niaz Baig  | Automotive Parts, CNC         |
| 28. | PECS INDUSTRIES                   | Kot Lakhpat Lahore  | Automotive Parts, CNC         |
| 29. | UPPAL ENGINEERING COMPANY         | 99 Railway Road Lahore  | Pumps and compressors         |
| 30. | Sazgar Engineering Works Ltd.     | Sazgar Engineering Works Ltd. 88 – Ali Town, Thokar Niaz Baig, Raiwind Road, Lahore | Automotive Parts, CNC         |
| 31. | Packages Limited                  | Shahrah-e-Room P.O Ameer Sidhu Lahore   | Packaging                     |
| 32. | MS Forgings Ltd.                  | Mominpura Road, Oil G.T.Road, Daroghawala, Lahore                                   | Automotive Parts, CNC         |
| 33. | Rehan Cans                        | 27-Km, Ferozpur Road, Nishtar Colony, Lahore  | Cans manufacturer             |
| 34. | ZDC                               | ZDC Co. 23 KM Ferozpur Road, Rohi Nala, Lahore                                      | Automotive Parts, CNC         |
| 35. | Dynamic Packaging (Pvt) Ltd       | 22-km Off Ferozpur Road, Raj Industrial Park, Shami Street Lahore                   | Packaging                     |
| 36. | InterFab Pvt. Ltd.                | 01-Km Sagian Road Mahmood Boti Interchange Ring Road Lahore                         | Mechanical fabrication        |
| 37. | Afaq Corporation Pvt. Limited.    | Quid -e-Azam industrial estate Kot Lakhpat Lahore                                   | Automotive Parts, CNC         |
| 38. | Risan Engineering                 | 660-Rohi Nalla, 14-KM Lahore Barki  | Automotive                    |



|     |  |  |                          |
|-----|--|--|--------------------------|
|     | Industries Pvt. Ltd.                         | Road.Opp. Mehfozpur Garroison, Lahore                                  | Parts, CNC               |
| 39. | Millat Equipment Ltd.                        | Millat Equipment Ltd. Raiwind Road Lahore                              | Automotive Parts         |
| 40. | GMS forging Pvt Ltd                          | Plot No-4 Siraj Park Darohawala Lahore                                 | Automotive Parts         |
| 41. | Millat Tractors Ltd.                         | Millat Tractors Limited Sheikhupura Road, Shahdara Lahore              | Automotive Parts         |
| 42. | IKAN Engineering Services Pvt. Ltd.          | 34-Km Multan Road, Lahore  | Mechanical fabrication   |
| 43. | Honda Atlas Cars (Pakistan) Ltd              | 43 km Multan Road, Manga, Lahore                                       | Automotive               |
| 44. | Innovative Biscuits                          | 23 Km Sheikhupura Road Near National Pipes                             | Food manufacturer        |
| 45. | Mobiserve Pakistan                           |  | Telecom                  |
| 46. | CCL Pharmaceuticals                          | 65 Quaid-e-Azam Industrial Estate Kot-Lakhpat, Lahore                  | Pharmaceuticals          |
| 47. | IPAK International Packaging Films Pvt. Ltd. | IPAK Plant Manga Chowk Raiwind Bypass Road, Raiwind                    | Packaging                |
| 48. | Interloop Limited                            | HD-III 8-Km Manga Raiwind Road District Kasur                          | Fabric and maintenance   |
| 49. | Atlas Copco                                  | 588 Block H3 Abdul Haque Road Opposite Emporium Mall Johar Town Lahore | Industrial compressors   |
| 50. | Saithi Rubber & Plastic Industry Pvt. Ltd.   | Opposite Kasupura Stop Near Muneeb Electronics Bund Road Lahore        | Rubber and plastic parts |
| 51. | United Motors (Pvt) Ltd                      | 75-e, Moulana Shoukat Ali Road, Johar Town, Lahore                     | Automotive Parts         |
| 52. | Aska Engineering (Pvt) Ltd                   | 12-k.m Sheikhupura Road Lahore   | Automotive Parts         |
| 53. | Precision Forging (Pvt) Ltd                  | 17-k-m- Sheikhupura Road Lahore  | Automotive Parts, CNC    |
| 54. | R.k. Gears (pvt) Ltd                         | 145-s Small Industrial Estate Kot Lakhpat Lahore                       | Automotive Parts, CNC    |
| 55. | Sir engineering enterprises (pvt) Ltd        | 131-s, Quaid-e-Azam Industrial estate, kot Lakhpat, Lahore             | Automotive Parts, CNC    |
| 56. | Metaline engineering co                      | Shahpur 14-k.m Multan road Lahore                                      | Automotive Parts, CNC    |
| 57. | Matchless Engineering (Pvt) Ltd.             | G1 road Daroghawala near Quaid e Azam interchange Lahore               | Automotive Parts, CNC    |
| 58. | Pepsi-cola international (Pvt) limited       | 37-c-i- Gulberg-iii, Lahore  | Beverages                |
| 59. | Six B Food Industries (Pvt) Ltd              | 11-k-m- Multan road Lahore   | Beverages                |

|     |  |   |                                |
|-----|--|---|--------------------------------|
| 60. | Mezan beverages (pvt.) Ltd             | 817-Ravi Block, Multan road, Allama Iqbal town, Lahore                  | Beverages                      |
| 61. | Nestle pakistan limited                | 308- Upper mall, Lahore   | Beverages                      |
| 62. | Olympia chemicals limited              | 25-a Davis road, Lahore   | Chemicals                      |
| 63. | Ddfc (pvt) ltd                         | 27-k.m- Multan road, Lahore   | Mechanical fabrication         |
| 64. | Matrix engineering (pvt) ltd           | 131-west wood colony, Thokar Niaz Baig, Raiwind road, Lahore            | Mechanical fabrication         |
| 65. | Ravi-tech manufacturing (pvt) ltd      | Karyal road Tibba pajian, 1.4-km off Raiwind road, Lahore               | Automotive parts               |
| 66. | Man diesel & turbo pakistan (pvt) ltd. | 16-km, Raiwind road, Lahore   | Generators and compressors     |
| 67. | Fauz engineering limited               | Sikka street, 8-km Raiwind road, Lahore                                 | Mechanical fabrication         |
| 68. | Gourmet foods                          | 2-quaid-e-azam town, industrial Area, Hamdard Chowk, Kot Lakhpat Lahore | Food manufacturer              |
| 69. | Water regime (pvt) ltd.                | 130-r-iii, Johar town, Lahore   | Water purification             |
| 70. | Synthetic products enterprises ltd     | 127-s, Quaid-e-azam industrial estate, Kot Lakhpat, township, Lahore    | Water purification             |
| 71. | Fatima fertilizer company ltd          | E-110, Khayaban-e-Jinnah, Cantt- Lahore                                 | Fertilizer                     |
| 72. | Century paper & bord mills ltd.        | 14-Ali Block, Garden town, Lahore                                       | Paper products                 |
| 73. | Tetra Tech                             | G.T Road Darogewala Lahore  | Automotive parts               |
| 74. | SMIS AGS                               |   | Inspection and monitoring unit |
| 75. | PowerSoft 19                           |   | Mechanical design              |
| 76. | Schazoo Zaka Pvt. Ltd.                 | Sheikhupura   | Pharmaceuticals                |
| 77. | Combined Fabrics                       | Ferozpur Road   | Fabric and chemicals           |
| 78. | Izhar Steels                           | Multan Rd. Sham ki Bhattian, Lahore, Punjab                             | Mechanical fabrication         |

The sample Invitation letter forwarded to industries is as follows:

**Subject: INVITATION FOR PARTICIPATION IN CAREER DAY**

Principal, Government College of Technology Railway Road Lahore would be pleased to invite you in "Career Day". The main purpose of this event is to introduce our technical and skilled graduates with the industries.

We also feel pride to introduce you that Govt. College of Technology Railway Road Lahore with collaboration of JICA equipped with the state of art machinery, tools, equipment, latest curriculum according to need of industry and having status of "Centre of Excellence"

As we consider **M/S TETRA TECH** is one of the well-known industry and having a good worth in market. We feel proud to invite your representatives on the **Career Day** which is going to be held on **26-09-2019 at 9:00 am** at Faisal Hall of the college.

It is worth mentioning here that as per the valuable feedbacks and suggestions of the industries we have scheduled the event after the declaration of DAE result so that only interested and pass-out graduates will attend. Kindly join us to conduct interviews of DAE Mechanical Technology graduates in order to evaluate them for placement in your industry.

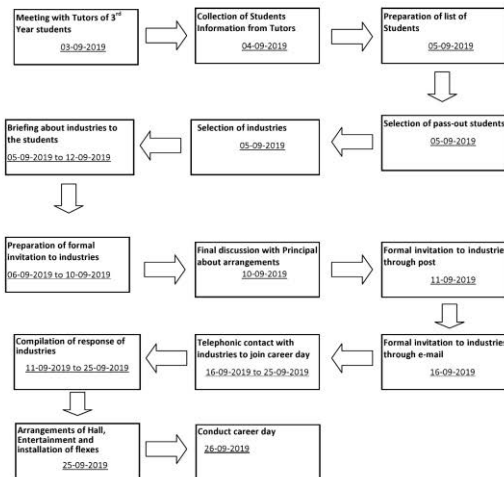
We highly appreciate if you acknowledge through email at [gcethr\\_career@gmail.com](mailto:gcethr_career@gmail.com) or through post to the undersigned along with the details of your representatives so that we can make arrangements accordingly.

**Program Schedule is as under:**  
 Reception of Guests : 9:00 a.m.  
 Start of Interviews : 9:30 a.m.  
 Refreshment : 1:30 p.m.

Engr. Tariq Mahmood  
 Principal  
 Government College of Technology, Lahore

**Road Map**

**Preparation of Career Day (D.A.E. Mechanical, 2019)**

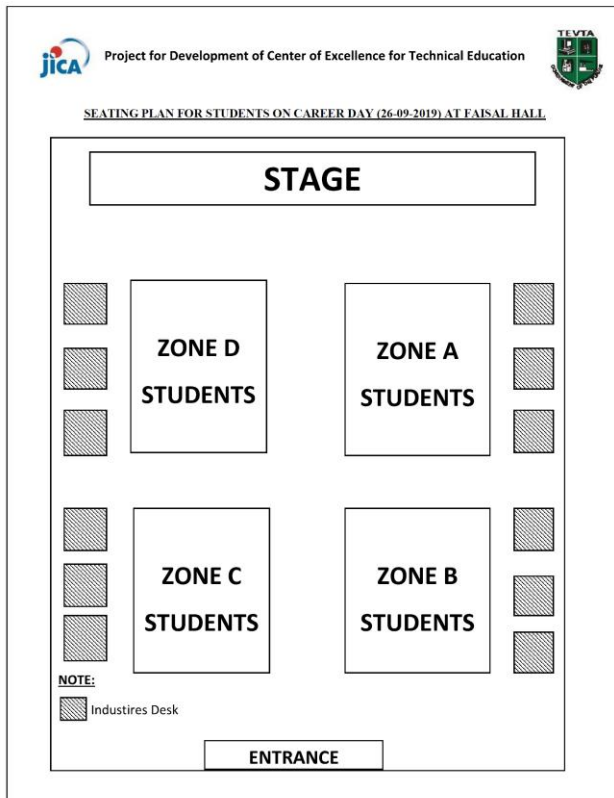


**Arrangements of Faisal Hall**

Almost 10 teachers and 5 staff attendants were mobilized for setting up 26 desks and chairs for students and Industrial representative. Stall of each industry is separately prepared so that students can interact with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue are:

- Table and Chairs.
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants were requested to bring their Laptop and Advertising flex, Standaes for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.



**jica** Project for Development of Center of Excellence for Technical Education

**TEVTA**

**Brief of Participated Industries**

List of participated Industries along with their representative description is as follows:

| Sr. # | Name of Industries                | Name of Representative with Designation                                   |
|-------|-----------------------------------|---|
| 1.    | Super Asia Pvt. Ltd.              | Zaigham Bilal (Manager Quality Control)                                   |
| 2.    | Matchless Eng Pvt. Ltd            | M. Shaheer Ahmad (Foundry Engineer)<br>M. Imran (Manager)                 |
| 3.    | Mughal Steel                      | Muhammad Ali Syed (Manager)<br>Muhammad Nasir (Assistant Manager HR)      |
| 4.    | Ashraf Fabrication                | Mr. Farrukh (Assistant BD)  |
| 5.    | N Star Corporation                | Shouban Akhtar (Managing Director)  |
| 6.    | Colgate-Palmolive (Pakistan) Ltd. | Mr. Sher Ali ( Deputy Manager)<br>Abid Ali (Sr. Manager Production)       |
| 7.    | Power Soft                        | Mr. Faisal Iqbal (Design Engineer)<br>Mr. Hamza Shahid (Mech-tech)        |
| 8.    | Al Badar                          | Mr. Ali Faraz (Asst. Quality)   |
| 9.    | Hi-TEK Manufacturing Pvt. Ltd.    | Muhammad Awais (Mechanical Engineer)                                      |
| 10.   | Asian Scale                       | Mr. Ali (Executive)<br>Mr. Ali Raza (Admin)                               |
| 11.   | Metal Forming Pvt. Ltd.           | Ahmed Nisar (Engineering Manager)   |
| 12.   | Stanley Industries                | Abdul Hameed (Plant Manager)<br>Mr. Jawad ul Hassan (Quality)             |
| 13.   | GMS Forgings Pvt. Ltd             | Mr. Muhammad Faizan (manager marketing)                                   |
| 14.   | Electro precision company         | Mr. Numan Bilal Asif (CEO)  |
| 15.   | A.B.E engineering works           | M. Imran Saddique (General manager)<br>Mr. Waseem Akram (General Manager) |
| 16.   | Water Regime Pvt. Ltd             | Mr. Tahir Masood (Directing Project)<br>Mr. Noman Raza Khan (HR Manager)  |
| 17.   | Mecas Engineering                 | Ghufran Elahi (Deputy Manager Quality Assurance)                          |

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**jica** Project for Development of Center of Excellence for Technical Education

**TEVTA**

|     |                              |   |
|-----|------------------------------|---|
|     | Pvt. Ltd                     | Mr. Muhammad Ali (Trainee Engr.)  |
| 18. | Izhar Steel Pvt. Ltd.        | Mr. Bilal Shafiq (DM Project management)  |
| 19. | Atlas copco                  | Mr. Ahsan Fayyaz (HR Manager)<br>Mr. Sami ullah (Technical Support Engineer)    |
| 20. | Infinity Engineering         | Hafiz Muneer (Marketing Officer)<br>Mr. Muhammad Muneeb (Job Placement Officer) |
| 21. | Qadri Group                  | Mr. Muntaz Ahmad (Team Lead)<br>Mr. Saeed Ahmad (Assistant)                     |
| 22. | IKAN Engineering             | Mr. Naseer Ahmad (Production manager)<br>Mr. Nasir Ali (HR Coordinator)         |
| 23. | AJR Metal Fabricator         | Engr. Majid Shakeel (Sr. Engineer P&P)  |
| 24. | Pak Navy                     | Col. Mr. Adnan<br>Mr. Javed Iqbal (Sobedaar)                                    |
| 25. | Tariq Electric Pvt. Ltd.     | Mr. Yasir Rehman (HR manager)   |
| 26. | Mobiserve Pakistan Pvt. Ltd. | Mr. Essaam Talha (HR Specialist)  |

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**jica** Project for Development of Center of Excellence for Technical Education

**TEVTA**

**Conduct of career day:**

The career day program carried out on 26<sup>th</sup> September started at 09:00 AM with opening address and finished at 03:00 PM with thanking address of Principal. Totally 26-industries and 300 students of 3<sup>rd</sup> year D.A.E. mechanical participated in the career day. The program, participants and teachers engaged in are listed as follows.

**PROGRAM**

| Time    | Activity  | By                                    |
|---------|---|---------------------------------------|
| 9:00 AM | Reception of Guests   | Convener and Members of Career Day    |
| 9:10 AM | Recitation of Holy Quran  | Student (DAE Mechanical Technology)   |
| 9:15 AM | Naat Shareef  | Student (DAE Mechanical Technology)   |
| 9:20 AM | Welcome Address   | Principal, GCT Railway Road           |
| 9:30 AM | Start of Interviews   | Industrial Representatives and Tutors |
| 1:30 PM | Refreshment   | Principal, GCT Railway Road           |
| 2:00 PM | Closing/Thanking Address (Distribution of souvenir to participants) | Convener (Career Day)                 |

**Participated Students**

|                                 |  |              |
|---------------------------------|--|--------------|
| Final Year Students (Year-2019) | Total 9 classes of Mechanical Technology | 260 Students |
| Pass-out Students of college    | Mechanical Technology Pass outs          | 40 Students  |

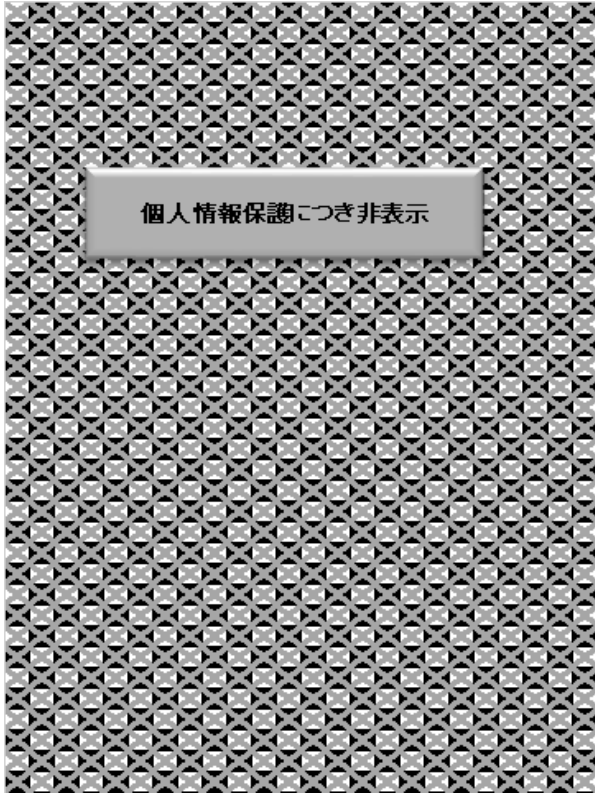
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個人情報保護につき非表示

個人情報保護につき非表示



個人情報保護につき非表示




 Project for Development of Center of Excellence for Technical Education
 

**Photo Gallery**



Colgate Palmolive Pakistan Representatives taking interview of student



Atlas Copco Representatives taking interview of student

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 Project for Development of Center of Excellence for Technical Education
 






Ravi-Infinity Group Companies Representatives taking interview of student




IKAN Pvt. Ltd. Representatives along with JICA Expert

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 Project for Development of Center of Excellence for Technical Education
 



Izhar Steel Representatives taking interview of student



Water Regime Representatives taking interview of student

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Engr. Tariq Mahmood ,Principal GCT Railway Road Group Photo with Industrial Representatives and his Team

添付資料 6-16-5 : Career Day Report 2018-1 (GCT FSD 校)



# Report of Career Day Govt. College of Technology, Faisalabad 2018

April 26, 2018  
Venue: Serena Hotel

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## Chapter 1

### INTRODUCTION:

GCT, Faisalabad, the Center of Excellence, arranged a "Career Day & Equipment Handing Over Event" on April 26, 2018 at Serena Hotel following the TEVTA-JICA proposal to provide industry jobs opportunities to the college pass outs. The event proved a solid platform for the college passouts who felt confident and a new wave of experience when the representatives from the different industries conducted the interviews and ensured the successful to call them for future induction in industry. Before the Career Day, GCT arranged:

- Lectures by the industry experts
- Skill Competition
- Project Exhibition
- Internship & Study Tours

On the Great Day, the following Dignitaries graced the ceremony with their presence:

1. Mr. Akhter Abbas Bharwana, General Manager Operations-I, TEVTA
2. Mr. Yoshihisa Onose, Sr. Representative, JICA Pakistan Office
3. Mr. Aamer Aziz, General Manager, Operation-II, Lahore
4. Mr. Masami Tsuyuki, Project Coordinator-2, JICA
5. Mr. Noboro Kakisu, Chief Advisor JICA Project, GCT, Faisalabad
6. Mr. Usman Rauf, Vice President, FCCI
7. Mr. Engr. Rizwan Ashraf, Ex. President FCCI
8. Mr. Farooq Yousuf, Sr. Vice President
9. Mr. Muzammil Sultan, Former president, FCCI
10. Mrs. Yasmin Mehr un Nisa, Chair Person, Punjab Board of Technical education, Lahore
11. Dr. Syed Ihtikhar Husain Shah, Principal GCT, FSD

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## Chapter 2

### CAREER DAY PREPARATION:

#### PROJECT TEAM

The Principal of GCT FSD appointed following staff for career day event as notified below:

| S.R.NO | Name                           | Designation               |
|--------|--------------------------------|---------------------------|
| 1      | Dr. Syed Ihtikhar Hussain shah | Principal                 |
| 2      | Mr. Abdur Rauf                 | HOD Mechanical            |
| 3      | Mr. Noor Asif Noor             | Focal Person JICA Project |
| 4      | Mr. Tahir Shahzad              | Coordinator               |
| 5      | Mr. Muzammil Naseer            | Secretary                 |

#### 1. WELCOME COMMITTEE

|       |  |                        |
|-------|--|------------------------|
| i.    | Mr. Adher Rashid Senior Instructor (Instrument)    | Chief Protocol Officer |
| ii.   | Mr. Mazhar Abbas Associate Prof. (Math)            | Member                 |
| iii.  | Mr. Tariq Javaid Chief Instructor (CT)             | Member                 |
| iv.   | Mr. Muhammad Monawar Chief Instructor (Instrument) | Member                 |
| v.    | Mr. Abdur Rauf Sr. Inst. (MT)                      | Member                 |
| vi.   | Mr. Anshad Iqbal Incharge. (Food)                  | Member                 |
| vii.  | Mr. Zalliqar Ali Sr. Inst. (ET)                    | Member                 |
| viii. | Mr. Muhammad Arshad Senior Instructor (MT)         | Member                 |
| ix.   | Mr. Muhammad Usman Ashraf Inst. (Textile)          | Member                 |
| x.    | Mr. Asim Salam Inst. (Computer)                    | Member                 |
| xi.   | Mr. Muhammad Aft. Inst. (Electrical)               | Member                 |



#### 2. PUBLISHING COMMITTEE



|      |   |          |
|------|---|----------|
| i.   | Mr. M Wasif Ali Instructor (Mechanical)   | Convener |
| ii.  | Mr. Masood-ur-Rehman Lecturer (English)   | Member   |
| iii. | Mr. M. Altaf Hussain Jr. Inst. Cum Lab Technician (MT)  | Member   |
| iv.  | Mr. Muhammad Shoaib Jr. Inst. Cum Lab Technician (MT) (Letters, Cards, Flexes back drop etc.) | Member   |

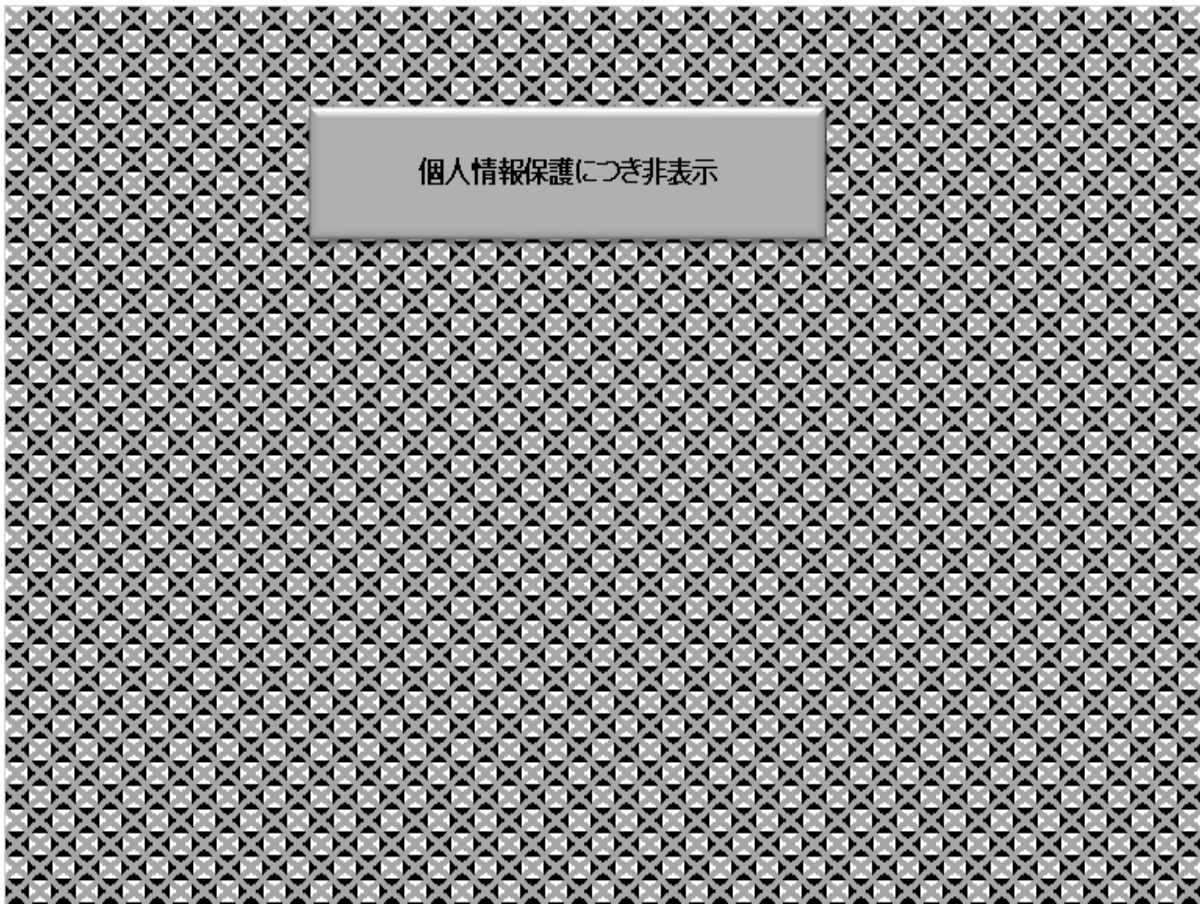
#### 3. PRESENTATION & VIDEO FORMATION COMMITTEE

|      |   |          |
|------|---|----------|
| i.   | Engr. Ali Amwar Instructor (IT)         | Convener |
| ii.  | Mr. Muhammad Nouman Siddique Inst. (MT) | Member   |
| iii. | Mr. Adil Nawaz Inst. (MT)               | Member   |

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|  <b>The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province</b>  |           |
|---|-----------|
| <b>4. HALL DECORATION AND SUPERVISION COMMITTEE</b><br>(Stage, Sound, Seating Plan etc.)  |           |
| i. Mr. Saleem Ilyas Junior Instructor (Food)  | Convener  |
| ii. Mr. Muhammad Sagheer Jr. Inst. Cum Lab Technician (ET)  | Member    |
| iii. Mr. Muhammad Abid Mahmood Lab Technician (Welding)   | Member    |
| iv. Mr. Kashif Ali Bhatti Shop Assistant (Mechanical)   | Member    |
| <b>5. SOUVINER BADGES PEECT BELT, CAP, SCARF COMMITTEE</b>  |           |
| i. Mr. Noor Ashif Noor Sr. Inst. (MT)   | Convener  |
| ii. Mr. Muhammad Azhar Sr. Inst. (MT)   | Member    |
| iii. Mr. Faiz Moby-ud-Din Jr. Inst. Cum Lab Technician (MT)   | Member    |
| iv. Mr. Saif Ullah Jr. Inst. Cum Lab Technician (MT)  | Member    |
| <b>6. STAGE SECRETARY</b>   |           |
| i. Mr. Masood-ur-Rehman Lecturer (English)  | Convener  |
| ii. Mr. Muhammad Tahir Shahbaz Inst. (MT)   | Member    |
| <b>7. DISCIPLINE COMMITTEE</b>  |           |
| i. Mr. Ishfaq Latif Kahloon DPE   | Convener  |
| ii. Mr. Abdul Ajeem DPE   | Member    |
| iii. Mr. Muhammad Arshad Inst. (MT)   | Member    |
| iv. Mr. Muhammad Sarfaraz Jr. Inst. Cum Lab Technician (MT)   | Member    |
| v. Mr. Shabbir Ahmad Senior Instructor (Food)   | Member    |
| vi. Mr. Shakeel Ahmad Junior Instructor (Auto)  | Member    |
| vii. Mr. M. Awais Ishad Jr. Inst. Cum Lab Technician (Textile)  | Member    |
| <b>8. INDUSTRIAL LINKAGE COMMITTEE (CONTACT, ASSURANCE, PERSUASION ETC)</b>   |           |
| i. Mr. Muhammad Younas Chief Instructor (Mechanical)  | Convener  |
| ii. Mr. Abdul Ghafar Inst. (Civil) IPO  | Secretary |
| iii. Mr. Abdul Rouf Sr. Inst. (MT)  | Member    |
| iv. Mr. Golzar Ahmad Sr. Inst. (MT)   | Member    |
| v. Mr. Muhammad Arshad Inst. (MT)   | Member    |
| vi. Mr. Ikhtlas Ahmad Jr. Inst. Cum Lab Technician (CT)   | Member    |
| vii. Mr. Adnan Zahid Jr. Inst. Cum Lab Technician (ET)  | Member    |
| viii. Mr. Muhammad Sarfaraz Jr. Inst. Cum Lab Technician (MT)   | Member    |
| ix. Mr. Muhammad Arif Sr. Inst. (Instrument)  | Member    |
| x. Mr. Saleem Ilyas Junior Instructor (Food)  | Member    |
| xi. Mr. Shakeel Ahmad Junior Instructor (Auto)  | Member    |
| xii. Mr. M. Awais Ishad Jr. Inst. Cum Lab Technician (Textile)  | Member    |

|  <b>The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province</b>   |          |
|--|----------|
| <b>9. REGISTRATION/RECEPTION COMMITTEE FOR STUDENTS</b><br>(Badge, advertisement material distribution)  |          |
| i. Mr. Noor Muhammad Instructor (Electronics)  | Convener |
| ii. Mr. Nadeem Tahir Jr. Inst. Cum Lab Technician (ET)   | Member   |
| iii. Mr. Adnan Zahid Jr. Inst. Cum Lab Technician (ET)   | Member   |
| iv. Mr. Faiz Moby-ud-Din Jr. Inst. Cum Lab Technician (MT)   | Member   |
| v. Mr. Muhammad Abbas Jr. Inst. Cum Lab Technician (MT)  | Member   |
| vi. Mr. Ikhtlas Ahmad Jr. Inst. Cum Lab Technician (CT)  | Member   |
| vii. Mr. Muhammad Babur Jr. Inst. Cum Lab Technician (CT)  | Member   |
| viii. Mr. Zulfikar Ahmad Sr. Inst. Instrument  | Member   |
| ix. Mr. Muhammad Arif Sr. Inst. Instrument   | Member   |
| x. Hafiza Sana Hafeez Instructor (Food)  | Member   |
| xi. Mr. Munir Ahmad Instructor (Food)  | Member   |
| xii. Mr. Shakeel Ahmad Jr. Inst. (Auto)  | Member   |
| xiii. Mr. Muhammad Irtan Younas Jr. Inst. (Auto)   | Member   |
| xiv. Mr. M. Awais Ishad Jr. Inst. Cum Lab Technician (Textile)   | Member   |
| xv. Mrs. Amna Sattar Jr. Inst Cum Lab Technician (Textile)   | Member   |
| xvi. Mr. Abdul Rehman Instructor (Electrical)  | Member   |
| xvii. Mr. Ardan Hafeez Instructor (Electrical)   | Member   |
| xviii. Mr. Ali Anwar Instructor (Computer) Short Course  | Convener |
| xix. Mr. Dildar Ahmad Instructor (Civil)   | Member   |
| xx. Mr. Tassadam Nazir Qadri Jr. Inst. (Computer)  | Member   |
| <b>10. PRESS INVITATION COMMITTEE</b>  |          |
| i. Mr. Muhammad Kashif Shahbaz Lecturer (English)  | Convener |
| ii. Hafiz Muhammad Hussain Tahir Librarian   | Member   |
| <b>11. REFRESHMENT COMMITTEE (Tea lunch.)</b>  |          |
| i. Mr. Muhammad Monawar Chief. Inst. (Instrument)  | Convener |
| ii. Mr. Muhammad Alam Senior Instructor (Mechanical)   | Members  |
| iii. Mr. Munir Ahmad Instructor (Food)   | Member   |
| iv. Mr. Saleem Ilyas Junior Instructor (Food)  | Member   |
| v. Mr. Shahzad Rashid Junior Instructor (Auto)   | Member   |
| vi. Mr. Muhammad Saleem Hameed Storekeeper   | Member   |
| <b>STUDENTS SELECTION</b>  |          |
| CV of final year top students of all the 7 technologies of GCT FSD were collected by the respective members and after that categorized them in to different groups so that different class students make a group. Only those participants were invited who passed their 2 <sup>nd</sup> year examination. In total 120 students were invited from all the technologies of GCT FSD. |          |



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個人情報保護につき非表示

 The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province 

**SELECTION OF INDUSTRIES**

A list of industries prepared by the respective members of all the technologies and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Maximum industries accepted the invitation. Some industries appreciated this type of activity and requested to continue it in future.

**INVITATION LETTERS**

The invitation letters were sent to the industries from 02<sup>nd</sup> till 18<sup>th</sup> April, 2018 via post and email by The worthy Principal, & Head of Departments.

Followings industries were invited on the event being scheduled:



**Mechanical**

| Sr.No | Name of Industry/ Person                       |
|-------|--|
| 1     | Millat Tractors Limited Lahore                 |
| 2     | Atlas Honda Sheikhpura                         |
| 3     | Honda Atlas Manga Mandi Lahore                 |
| 4     | Nestle Pakistan Lahore                         |
| 5     | Inter Loop FSD                                 |
| 6     | Itehad Textile FSD                             |
| 7     | Chehab Engineering FSD                         |
| 8     | 200MW Thermal Power Station FSD                |
| 9     | Gourmet Foods Khurrianwala                     |
| 10    | SNGPL Sargodha Road FSD.                       |
| 11    | Norani Textiles Limited Samundari Road FSD     |
| 12    | Pakistan Aluminium Beverage Cans Saitawala FSD |

**Electrical**

|   |                                |
|---|--------------------------------|
| 1 | OMECTA Solar Susun Road FSD    |
| 2 | Shafi Dying Sargodha Road FSD  |
| 3 | KALASH PVT LTD Millat Road FSD |

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 The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province 

**Instrument**

|   |                                     |
|---|-------------------------------------|
| 1 | Ibrahim Fiber FSD                   |
| 2 | Sitara Chemical Sheikhpura Road FSD |
| 3 | Rafhan Maize Product FSD            |
| 4 | Ibrahim Fiber Polyester FSD         |

**Auto & Farm**

|   |                        |
|---|------------------------|
| 1 | Toyota Motor FSD       |
| 2 | Honda Chenab Motor FSD |
| 3 | Suzuki Canal Road      |

**FOOD**

|   |                                      |
|---|--------------------------------------|
| 1 | OK Fruits Juices Nishatabad FSD      |
| 2 | ZA Food Industry Merzi Pura Road FSD |
| 3 | Pizza Hut Bilal Road Civil Line FSD  |

**Civil**

|   |  |
|---|--|
| 1 | Camecoats Private LTD, Raiwind Road Lahore |
| 2 | Safe Solution Private LTD, FSD             |
| 3 | Roofline Private LTD, Multan Road Lahore   |

**Textile**

|   |                                      |
|---|--------------------------------------|
| 1 | Masood Textile Mill Ghaseet Pura FSD |
| 2 | Ahmad Jamal Textile Khurrianwala FSD |
| 3 | Itehad Spinning Mill                 |
| 4 | Arfa Textile Mills                   |
| 5 | Kamal Hozi Khurrianwala FSD          |

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The sample Invitation letter forwarded to industries is as follows:

**SUBJECT: INVITATION FOR CAREER DAY & HANDING-OVER EQUIPMENT CEREMONY AT SERENA HOTEL ON 26-04-2018 FROM 09:00AM TO 04:00PM**

Sir

The Undersigned feels honored and elated to share with you that TEVTA in collaboration with JICA is going to hold Career Day & Handing over Equipment Ceremony at Serena Hotel on 26th April 2018 from 09.00 am to 04.00pm. In this regard, you are cordially invited to grace the occasion with yours or some representative's presence on your behalf to interview our existing as well as pass-out students for the placement-process and confer some precious suggestions how to meet with the quality of standard education along with the skills required in the industrial arena.

As per verbal discussion with the President Board of Management (BOM) TEVTA, Faisalabad Engr. Suhail Bin Rashid, your good-self is requested to arrange and confirm maximum number of Industries of different sector & Members of FCCI, Faisalabad to participate in this high profile ceremony arranged by JICA and TEVTA at Serena Hotel, Faisalabad on 26.04.2018. Your cooperation in this regard will be highly encouraging for TEVTA Punjab.

So, you are requested to inform well-in-time about the confirmation of the requested persons that will surely facilitate us in evolving the final shape of the above-mentioned program.

PRINCIPAL  
Govt. College of Technology  
Samamabad, Faisalabad



**ARRANGEMENTS IN SERENA HOTEL (NAZARA HALL)**

Various teaching staff mentioned above with collaboration of the representatives of serena hotel were mobilized for setting up 20 desks and chairs for students and Industrial representative. Stall of each industry is separately prepared so that students can interact an interviewed with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue were:

- Table and Chairs.
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants are requested to bring your Laptop and Advertising flex, Standees for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.



**Chapter 3**

**Detail of Participants**

List of participated Industries and guests along with their representative description is as follows:

| Total Participants               |            |
|----------------------------------|------------|
| JICA Participants                | 6          |
| TEVTA Participants               | 5          |
| Other GCT's Participants         | 11         |
| VIP's Participants               | 6          |
| Industry Executives Participants | 36         |
| Interviewer Participants         | 39         |
| Press/Media Participants         | 7          |
| GCT FSD Participants             | 53         |
| <b>Total Participants</b>        | <b>163</b> |

**JICA Project Team**

| SR.NO | Name               | Designation           | Company              |
|-------|--------------------|-----------------------|----------------------|
| 1     | Mr. Yoshihisa Onoe | Senior Representative | JICA Pakistan Office |
| 2     | Mr. Noboru Kakisu  | Chief Advisor         | JICA                 |
| 3     | Mr. Masami Tsuyuki | Expert                | JICA                 |
| 4     | Mr. Osamu Fukui    | Project Assistant     | JICA                 |
| 5     | Mr. Usman Tufail   | Project Assistant     | JICA                 |
| 6     | Mr. Muazzam Naseer | Project Assistant     | JICA                 |





**TEVTA**

| SR.NO | Name                      | Designation                    | Company           |
|-------|---------------------------|--------------------------------|-------------------|
| 1     | Mr. Akhtar Abbas Bharwana | General Manager (Operation-I)  | TEVTA Head Office |
| 2     | Mr. Aamir Aziz            | General Manager (Operation-II) | TEVTA Head Office |
| 3     | Mr. Aqib Sharif           | Project Coordinator            | TEVTA Head Office |
| 4     | Mr. Sheraz Khan Lodhi     | Zonal Manager (North)          | TEVTA             |
| 5     | Mr. Usman Ali             | District Manager (FSD)         | TEVTA             |



**Faisalabad Chamber of Commerce & Industry**

| SR.NO | Name                       | Designation             | Company                       |
|-------|----------------------------|-------------------------|-------------------------------|
| 1     | Mr. Shabir Hussain Chawala | President               | FCCI                          |
| 2     | Engr. Muhammad Rizwan      | Former President        | FCCI                          |
| 3     | Mr. Muzzamil Sultan        | Former President        | FCCI                          |
| 4     | Mr. Abdul Jabbar           | Managar HR              | AJ Textile                    |
| 5     | Mr. Adnan                  | Chief Executive Officer | OMECTA Solar                  |
| 6     | Mr. Irfan Baig             | Chief Executive Officer | Zainab Engineering            |
| 7     | Mr. Azhar Saeed            | Service Manager         | Toyota Motor FSD              |
| 8     | Mr. Muhammad Awias         | Service Manager         | Honda Chanab Motor FSD        |
| 9     | Mr. Ali Asghar             | Service Manager         | Suzuki Canal Road             |
| 10    | Mr. Faisal Tufail          | Director                | Ishad Spinning Mill           |
| 11    | Mr. Mian Idrees Ahmad      | Owner                   | Rashid Textile                |
| 12    | Mr. Muhammad azhar Islam   | Chief Executive Officer | Complex Gears                 |
| 13    | Mr. Abdul Razzaq           | Chief Executive Officer | AR Industries PVT LTD         |
| 14    | Mr. Shafaq and Sons        |                         | Binary Engineering (5 Person) |

 **The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province** 

|    |                          |                            |                                       |
|----|--------------------------|----------------------------|---------------------------------------|
| 15 | Mr. Intiaz               | Area Manager               | Technology Links                      |
| 16 | Mr. Zahid Ali            | Branch Manager             | Technology Links                      |
| 17 | Mr. Muhammad Asif        | Executive                  | Safe Solutions                        |
| 18 | Mr. Mehsooz Ali Mansori  | Executive                  | Roofline Private LTD                  |
| 19 | Mr. Imran Nadeem         | Executive                  | Chem Coats private Ltd.               |
| 20 | Mr. Sohail               | Labour Officer             | KALASH PVT LTD                        |
| 21 | Mr. Irfan Zahid          | Manager                    | KALASH PVT LTD                        |
| 22 | Mr. Rizwan Adeel         | Director                   | Strong Man                            |
| 23 | Mr. Zeeshan Sarfraz      | Director                   | Strong Man                            |
| 24 | Mr. Muhammad Haseeb Ali  | Technical Department       | Nestle                                |
| 25 | Mr. Khalid Mehmood       | Technical Manager          | Ahmad Jamal Textile                   |
| 26 | Mr. Shan Intiaz          | Sr. Assistant Manager P&D  | Crescent Bahuman Ltd.                 |
| 27 | Mr. Nasir Chaudhry       | General Manager            | Masood Textile                        |
| 28 | Mr. Asim Zadi            | General Manager            | Dysin Auto Mobile                     |
| 29 | Mr. Khurram Server       | Manager HR                 | Dysin Auto                            |
| 30 | Mr. Tehsin Anjum         | Manager HR                 | Shakranj Dairy                        |
| 31 | Mr. Khalid               | Manager HR                 | Alkhar Fabrics                        |
| 32 | Mr. Rana Liaqat          | Sub Inspector              | Special Branch FSD.                   |
| 33 | Mr. Shahid Hanif         | Local Project Officer JICA | FGCC(Faisalabad Garment city Company) |
| 34 | Mr. Zeeshan Noorani      | CEO                        | Noorani Industries                    |
| 35 | Mr. Abdul Kareem         | Principal                  | Jinnah Poly Technique                 |
| 36 | Mr. Muhammad Afzal Tarar | Executive                  | Foundry and Engineering Association   |

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 **The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province** 



**Other Honorable Guests**

| SR.NO | Name                          | Designation                 | Company                      |
|-------|-------------------------------|-----------------------------|------------------------------|
| 1     | Mian Muhammad Hanif           | Chairman                    | The University of Faisalabad |
| 2     | Dr. Shafiq Hussain            | Controller Examination      | GC University                |
| 3     | Madam Yamin Maher-un-Nisa     | Chairman                    | PBTE Lahore                  |
| 4     | Ms. Fakhar Un Nisa            | Principal                   | FETH FSD                     |
| 5     | Dr. Hafiz Muhammad Asif Javed | Assistant Professor Physics | Agriculture University FSD   |
| 6     | Dr. Hafiz Hameedullah         | Dean Social Science         | RIPHA University             |

**GCT's of Punjab**

| SR.NO | Name                     | Designation       | Company         |
|-------|--------------------------|-------------------|-----------------|
| 1     | Engr. Tariq Mehmood      | Principal         | GCT RR Lahore   |
| 2     | Mr. Muhammad Hafeez      | HOD Mechanical    | GCT RR Lahore   |
| 3     | Engr. MAZHER ABBAS NAQUI | Principal         | GSTC Faisalabad |
| 4     | Engr. ASIF SHAHZAD BUTT  | Principal         | GCT Gujrat      |
| 5     | Engr. ZULFQAR            | Principal         | GCT Multan      |
| 6     | Mr. Sajid Hussain Shah   | Principal         | Sangla Hill     |
| 7     | Engr. Muneer Ahmed       | Principal         | Sahiwal         |
| 8     | Mr. Akhter Javad         | Principal         | Sargodha        |
| 9     | Engr. Abdul Haq          | HOD Mechanical    | Bahawalpur      |
| 10    | Mr. Tariq Suleman        | Senior Instructor | GCT Multan      |
| 11    | Mr. Muhammad Hafeez      | HOD Mechanical    | Sahiwal         |

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 **The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province** 

**Interviewer**

| SR.NO | Name                        | Designation | Company                            |
|-------|-----------------------------|-------------|------------------------------------|
| 1     | Mr. Jasim Altaf             | Interviewer | Nestle Pakistan Lahore             |
| 2     | Mr. Nasreen Kausar          | Interviewer | Nestle Pakistan Lahore             |
| 3     | Mr. Muhammad Naveed         | Interviewer | Nestle Pakistan Lahore             |
| 4     | Mr. Mian Saleem Nadeem      | Interviewer | Itehad Textile FSD                 |
| 5     | Mr. Kamran                  | Interviewer | Cheerab Engineering FSD            |
| 6     | Mr. M. Zahid Hanif          | Interviewer | Gourmet Foods Khurrianwala         |
| 7     | Mr. Rana Aqib Javed         | Interviewer | Hussain Suger Mill Jaranwala       |
| 8     | Mr. Orangaib Khan           | Interviewer | Hussain Suger Mill Jaranwala       |
| 9     | Engr. Babar Shahzad(CEO)    | Interviewer | SHAHZAD PUMPS                      |
| 10    | Mr. AMEER HUSSAIN (MANAGER) | Interviewer | SETH MUHAMMAD TUFAIL FOUNDRY       |
| 11    | Mr. Abdur Rehman            | Interviewer | HARMAIN FAB AND DESIGN ENGINEERING |
| 12    | Mr. Nouman                  | Interviewer | OMECTA Solar                       |
| 13    | Mr. Ehsan-ul-Haq            | Interviewer | OMECTA Solar                       |
| 14    | Mr. Asim Javed              | Interviewer | KALASH PVT LTD                     |
| 15    | Mr. Ahmad Awais             | Interviewer | Ibrahim Fiber FSD                  |
| 16    | Mr. Abdullah                | Interviewer | Toyota Motor FSD                   |
| 17    | Mr. Mansoor                 | Interviewer | Toyota Motor FSD                   |
| 18    | Mr. Muhammad Hassan Aslam   | Interviewer | Honda Chanab Motor FSD             |
| 19    | Mr. Muhammad Awais          | Interviewer | Honda Chanab Motor FSD             |
| 20    | Mr. Muhammad Azizur Rahman  | Interviewer | Suzuki Canal Road                  |

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 **The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province** 

|    |                            |             |                       |
|----|----------------------------|-------------|-----------------------|
| 21 | Mr. Attaul Murtaza         | Interviewer | Suzuki Canal Road     |
| 22 | Mr. Mian Rehan Ittikhar    | Interviewer | Chemcoats Private LTD |
| 23 | Mr. Rehman Shah            | Interviewer | Chemcoats Private LTD |
| 24 | Mr. Tajamul Mushtaq        | Interviewer | Safe Solution         |
| 25 | Mr. Adnan Ali              | Interviewer | Safe Solution         |
| 26 | Mr. Amanullah Qureshi      | Interviewer | Roofline Private LTD  |
| 27 | Mr. Rukhsar Ahmad          | Interviewer | Roofline Private LTD  |
| 28 | Mr. Arif                   | Interviewer | Ahmad Jamal Textile   |
| 29 | Mr. Ifukhar                | Interviewer | Crescent Bahuman      |
| 30 | Mr. Usman Maqsood          | Interviewer | OK Fruits Juices      |
| 31 | Mr. Zahid Ali              | Interviewer | ZA Food Industry      |
| 32 | Mr. Yasir                  | Interviewer | Pizza Hut             |
| 33 | Mr. Muhammad shoab Chishti | Interviewer | Pepsi                 |
| 34 | Mr. Muhammad Ahmad         | Interviewer | Pepsi                 |
| 35 | Mr. Badar                  | Interviewer | Itehad Spinning Mill  |
| 36 | Mr. Sohail                 | Interviewer | Arfa Textile          |
| 37 | Mr. Tayyab Nazir           | Interviewer | Masood Textile        |
| 38 | Mr. Khurram Server         | Interviewer | Dysin Auto            |
| 39 | Mr. Hassan Ali             | Interviewer | Rashid Textile        |

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**Press/ Media (Along with Reporting Team)**

|   |                     |          |                    |
|---|---------------------|----------|--------------------|
| 1 | Mr. Rana Habib      | Reporter | Express News       |
| 2 | Mr. Asad Ullah      | Reporter | Express Newspapaer |
| 3 | Mr. Qamar Abbas     | Reporter | 92 News            |
| 4 | Mr. ZafarUllah      | Reporter | Jhang News Paper   |
| 5 | Mr. Jahangir Ashraf | Reporter | City 41            |
| 6 | Mr. Amjad           | Reporter | Duniya News        |

**Chapter 4**

**CONDUCT OF CAREER DAY:**

The career day program was carried out on 26<sup>th</sup> April, 2018 started at 09:00 AM with opening address and finished at 02:00 PM with thanking address of Principal. The program commencement list is as follows:

**PROGRAM**

|   |          |
|---|----------|
| Start of Career Day 1 <sup>st</sup> Segment | 9:00 am  |
| Guest to be Seated                          | 11:00 am |
| Arrival of Chief Guest                      | 11:30 am |
| Welcome Address                             | 11:35 am |
| Project Presentation                        | 11:45 am |
| Speeches                                    | 11:50 am |
| Lunch                                       | 1:00 pm  |

**Chapter 5**

**PICTORIAL VIEW:**



Interviews being conducted by NESTLE Pakistan



Interviews being conducted by Safe Solutions



Interviews being conducted by OK Food Industry



Mr. Yoshihisa Onoe talking to Technical Expert from Suzuki Motors



Interviews being conducted by Zainab Engineering



GM Operations being welcomed by GCT Graduates



Mr. Onoe being welcomed by GCT Graduates



High Officials standing during National Anthem



Mr. Kakisu, Chief Advisor JICA Project, Addressing to Career Day Participants



Mr. Yoshihisa Onoe, Senior Representative, Addressing to Career Day Participants



Mr. Aamir Asif, GM Operations (II), Addressing to Career Day Participants



Mr. Akhtar Abbas Bharwana, GM Operations (I), Addressing to Career Day Participants



Equipment Handing over Ceremony



Career Day News in Newspaper

添付資料 6-16-6 : Career Day Report 2018-2 (GCT FSD 校)



# Report of Career Day Govt. College of Technology, Faisalabad 2018

October 31, 2018

Venue: Govt. College of Technology,  
Faisalabad

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## Chapter 1

### INTRODUCTION:

GCT, Faisalabad, the Center of Excellence, arranged a "Career Day" on October 31, 2018 at Government College of Technology Faisalabad, following the TEVTA-JICA proposal to provide industry jobs opportunities to the college pass outs. The event proved a solid platform for the college passouts who felt confident and a new wave of experience when the representatives from the different industries conducted the interviews and ensured the successful to call them for future induction in industry. Before the Career Day, GCT arranged:

- Lectures by the industry experts
- Skill Competition
- Project Exhibition
- Internship & Study Tours

On the Great Day, the following Dignitaries graced the ceremony with their presence:

1. Mr. Yoshihisa Onoe, Senior Representative JICA Pakistan Office
2. Ms. Mayo Nakamura, Representative JICA Pakistan Office
3. Mrs. Uzma Nadia DGM-placement TEVTA, Lahore
4. Mr. Masami Tsuyuki, Project Coordinator-2, JICA
5. Mr. Usman Rauf, Vice President, FCCI
6. Mr. Engr. Rizwan Ashraf, Ex. President FCCI
7. Mr. Farooq Yousuf, Sr. Vice President
8. Mr. Muzammil Sultan, Former president, FCCI
9. Mrs. Yasmin Mehr un Nisa, Chair Person, Punjab Board of Technical education, Lahore
10. Dr. Syed Ihtikar Husain Shah, Principal GCT, FSD

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Chapter 2

CAREER DAY PREPARATION:

PROJECT TEAM

The Principal of GCT FSD appointed following staff for career day event as notified below:

| SR.NO | Name                            | Designation               |
|-------|---------------------------------|---------------------------|
| 1     | Dr. Syed Ifthikhar Hussain shah | Principal                 |
| 2     | Mr. Abdur Rauf                  | HOD Mechanical            |
| 3     | Mr. Noor Asif Noor              | Focal Person JICA Project |
| 4     | Mr. Tahir Shahzad               | Coordinator               |
| 5     | Mr. Muazzam Naseer              | Secretary                 |

1. WELCOME COMMITTEE

- |       |  |                        |
|-------|--|------------------------|
| i.    | Mr. Ather Rashid Senior Instructor (Instrument)    | Chief Protocol Officer |
| ii.   | Mr. Mazhar Abbas Associate Prof. (Math)            | Member                 |
| iii.  | Mr. Tariq Javaid Chief Instructor (CT)             | Member                 |
| iv.   | Mr. Muhammad Monawar Chief Instructor (Instrument) | Member                 |
| v.    | Mr. Abdur Rauf Sr. Inst. (MT)                      | Member                 |
| vi.   | Mr. Arshad Iqbal Incharge (Food)                   | Member                 |
| vii.  | Mr. Zulfikar Ali Sr. Inst. (ET)                    | Member                 |
| viii. | Mr. Muhammad Arshad Senior Instructor (MT)         | Member                 |
| ix.   | Mr. Muhammad Usman Ashraf Inst. (Textile)          | Member                 |
| x.    | Mr. Asim Salam Inst. (Computer)                    | Member                 |
| xi.   | Mr. Muhammad Ali Inst. (Electrical)                | Member                 |

2. PUBLISHING COMMITTEE

- |      |  |          |
|------|--|----------|
| i.   | Mr. M Wasif Ali Instructor (Mechanical)  | Convener |
| ii.  | Mr. Masood-ur-Rehman Lecturer (English)  | Member   |
| iii. | Mr. M. Altaf Hussain Jr. Inst. Cum Lab Technician (MT)                                       | Member   |
| iv.  | Mr. Muhammad Shoab Jr. Inst. Cum Lab Technician (MT) (Letters, Cards, Flexes back drop etc.) | Member   |

3. PRESENTATION & VIDEO FORMATION COMMITTEE

- |      |   |          |
|------|---|----------|
| i.   | Engr. Ali Anwar Instructor (IT)         | Convener |
| ii.  | Mr. Muhammad Nouman Siddique Inst. (MT) | Member   |
| iii. | Mr. Adil Nawaz Inst. (MT)               | Member   |

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4. HALL DECORATION AND SUPERVISION COMMITTEE

(Stage, Sound, Seating Plan etc.)

- |      |  |          |
|------|--|----------|
| i.   | Mr. Saleem Ilyas Junior Instructor (Food)              | Convener |
| ii.  | Mr. Muhammad Sagheer Jr. Inst. Cum Lab Technician (ET) | Member   |
| iii. | Mr. Muhammad Abid Mahmood Lab Technician (Welding)     | Member   |
| iv.  | Mr. Kashif Ali Bhatti Shop Assistant (Mechanical)      | Member   |

5. SOUVENIR BADGES PEECT BELT, CAP, SCARF COMMITTEE

- |      |  |          |
|------|--|----------|
| i.   | Mr. Noor Asif Noor Sr. Inst. (MT)                      | Convener |
| ii.  | Mr. Muhammad Azhar Sr. Inst. (MT)                      | Member   |
| iii. | Mr. Faiz Mohy-ud-Din Jr. Inst. Cum Lab Technician (MT) | Member   |
| iv.  | Mr. Saif Ullah Jr. Inst. Cum Lab Technician (MT)       | Member   |

6. STAGE SECRETARY

- |     |   |          |
|-----|---|----------|
| i.  | Mr. Masood-ur-Rehman Lecturer (English) | Convener |
| ii. | Mr. Muhammad Tahir Shahzad Inst. (MT)   | Member   |

7. DISCIPLINE COMMITTEE

- |      |  |          |
|------|--|----------|
| i.   | Mr. Ishfaq Latif Kahloon DPE                               | Convener |
| ii.  | Mr. Abdul Aleem DPE  | Member   |
| iii. | Mr. Muhammad Arshad Inst. (MT)                             | Member   |
| iv.  | Mr. Muhammad Sarfaraz Jr. Inst. Cum Lab Technician (MT)    | Member   |
| v.   | Mr. Shabbir Ahmad Senior Instructor (Food)                 | Member   |
| vi.  | Mr. Shakeel Ahmad Junior Instructor (Auto)                 | Member   |
| vii. | Mr. M. Awasi Irshad Jr. Inst. Cum Lab Technician (Textile) | Member   |

8. INDUSTRIAL LINKAGE COMMITTEE (CONTACT, ASSURANCE, PERSUASION ETC)

- |       |  |           |
|-------|--|-----------|
| i.    | Mr. Muhammad Younis Chief Instructor (Mechanical)          | Convener  |
| ii.   | Mr. Abdul Ghafor Inst. (Civil)/IPD                         | Secretary |
| iii.  | Mr. Abdur Rauf Sr. Inst. (MT)                              | Member    |
| iv.   | Mr. Gulzar Ahmad Sr. Inst. (MT)                            | Member    |
| v.    | Mr. Muhammad Arshad Inst. (MT)                             | Member    |
| vi.   | Mr. Bilal Ahmad Jr. Inst. Cum Lab Technician (CT)          | Member    |
| vii.  | Mr. Adnan Zahid Jr. Inst. Cum Lab Technician (ET)          | Member    |
| viii. | Mr. Muhammad Sarfaraz Jr. Inst. Cum Lab Technician (MT)    | Member    |
| ix.   | Mr. Muhammad Arif Sr. Inst. (Instrument)                   | Member    |
| x.    | Mr. Saleem Ilyas Junior Instructor (Food)                  | Member    |
| xi.   | Mr. Shakeel Ahmad Junior Instructor (Auto)                 | Member    |
| xii.  | Mr. M. Awasi Irshad Jr. Inst. Cum Lab Technician (Textile) | Member    |

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9. REGISTRATION/RECEPTION COMMITTEE FOR STUDENTS

(Badge, advertisement material distribution)

- |        |  |          |
|--------|--|----------|
| i.     | Mr. Noor Muhammad Instructor (Electronics)                 | Convener |
| ii.    | Mr. Nadeem Tahir Jr. Inst. Cum Lab Technician (ET)         | Member   |
| iii.   | Mr. Adnan Zahid Jr. Inst. Cum Lab Technician (ET)          | Member   |
| iv.    | Mr. Faiz Mohy-ud-Din Jr. Inst. Cum Lab Technician (MT)     | Member   |
| v.     | Mr. Muhammad Abbas Jr. Inst. Cum Lab Technician (MT)       | Member   |
| vi.    | Mr. Bilal Ahmad Jr. Inst. Cum Lab Technician (CT)          | Member   |
| vii.   | Mr. Muhammad Babur Jr. Inst. Cum Lab Technician (CT)       | Member   |
| viii.  | Mr. Zulfikar Ahmad Sr. Inst. Instrument                    | Member   |
| ix.    | Mr. Muhammad Arif Sr. Inst. Instrument                     | Member   |
| x.     | Hafiza Sana Hafeez Instructor (Food)                       | Member   |
| xi.    | Mr. Munir Ahmad Instructor (Food)                          | Member   |
| xii.   | Mr. Shakeel Ahmad Jr. Inst. (Auto)                         | Member   |
| xiii.  | Mr. Muhammad Irfan Younas Jr. Inst. (Auto)                 | Member   |
| xiv.   | Mr. M. Awasi Irshad Jr. Inst. Cum Lab Technician (Textile) | Member   |
| xv.    | Mrs. Amna Sattar Jr. Inst. Cum Lab Technician (Textile)    | Member   |
| xvi.   | Mr. Abdul Rehman Instructor (Electrical)                   | Member   |
| xvii.  | Mr. Arslan Hafeez Instructor (Electrical)                  | Member   |
| xviii. | Mr. Ali Anwar Instructor (Computer) Short Course           | Convener |
| xix.   | Mr. Dildar Ahmad Instructor (Civil)                        | Member   |
| xx.    | Mr. Tassadam Nazir Qadri Jr. Inst. (Computer)              | Member   |

10. PRESS INVITATION COMMITTEE

- |     |  |          |
|-----|--|----------|
| i.  | Mr. Muhammad Kashif Shahbaz Lecturer (English) | Convener |
| ii. | Hafiz Muhammad Hussain Tahir Librarian         | Member   |

11. REFRESHMENT COMMITTEE (Tea/lunch.)

- |      |  |          |
|------|--|----------|
| i.   | Mr. Muhammad Monawar Chief Inst. (Instrument)    | Convener |
| ii.  | Mr. Muhammad Alam Senior Instructor (Mechanical) | Members  |
| iii. | Mr. Munir Ahmad Instructor (Food)                | Member   |
| iv.  | Mr. Saleem Ilyas Junior Instructor (Food)        | Member   |
| v.   | Mr. Shahzad Rashid Junior Instructor (Auto)      | Member   |
| vi.  | Mr. Muhammad Saleem Hameed Storekeeper           | Member   |

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STUDENTS SELECTION

CV of passouts students year 2018 of all the 7 technologies of GCT FSD were collected by the respective members and after that categorized them in to different groups so that different class students make a group. Old pass out students also invited. This is open invitation to all old pass out students. In total more than 350 students were participated from all the technologies of GCT FSD.

SELECTION OF INDUSTRIES

A list of industries prepared by the respective members of all the technologies and after that a formal invitation request to the industries were sent, some members have coordinated with the industrial representatives through telephone and via email in order to know their willingness. Those Industries were shortlisted who are preparing auto parts, plastic products, fabrication work and have CNC operational system. Maximum industries accepted the invitation. Some industries appreciated this type of activity and requested to continue it in future.

INVITATION LETTERS

The invitation letters were sent to the industries from 10 October to till 22 October, 2018 via post and email by The worthy Principal, & Head of Departments. Following industries were attend the event being scheduled:

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**Mechanical**

| Sr.No | Name of Industry/ Person                            |
|-------|---|
| 1     | Shahzad pumps and electric works Faisalabad         |
| 2     | Inter loop Pvt limited khurrianwala Faisalabad      |
| 3     | Ittehad textile Faisalabad                          |
| 4     | Chenab Engineering Faisalabad                       |
| 5     | Gourmet Foods Khurrianwala Faisalabad               |
| 6     | Punjab Beverages co Pvt limited Pepsi Faisalabad    |
| 7     | Industrial links limited Faisalabad                 |
| 8     | Msbs/Msb consulting Pvt. Ltd Faisalabad             |
| 9     | Klash dye plant Millat town Faisalabad              |
| 10    | Misteqay international Pvt limited Faisalabad       |
| 11    | Strongman Medical products Sargodah Road Faisalabad |
| 12    | Seth Muhammad tufail foundry Pvt limited Samundri   |

**Electrical**

|   |                                |
|---|--------------------------------|
| 1 | OMECTA Solar Susan Road FSD    |
| 2 | Shafi Dying Sargodha Road FSD  |
| 3 | KALASH PVT LTD Millat Road FSD |

**Instrument**

|   |                                     |
|---|-------------------------------------|
| 1 | Ibrahim Fiber FSD                   |
| 2 | Sitara Chemical Sheikhpura Road FSD |
| 3 | Rathan Maize Product FSD            |
| 4 | Ibrahim Fiber Polyester FSD         |

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**Auto & Farm**

|   |                              |
|---|------------------------------|
| 1 | Toyota Motor FSD             |
| 2 | Honda Chenab Motor FSD       |
| 3 | Suzuki Canal Road            |
| 4 | Shehroz Auto FSD             |
| 5 | Total Parco pvt limited      |
| 6 | Hyundai Lubrication plus FSD |
| 7 | Green View Motor pvt Limited |

**FOOD**

|   |                                      |
|---|--------------------------------------|
| 1 | OK Fruits Juices Nishatabad FSD      |
| 2 | ZA Food Industry Merzi Pura Road FSD |
| 3 | Pizza Hut Bilal Road Civil Line FSD  |
| 4 | Papa Nana Pizza House Samanabad FSD  |
| 5 | Pizzzy di hatti Nisar Colony FSD     |
| 6 | Salt & Chilli FSD                    |
| 7 | PAK Pure Line Food Lahore            |

**Civil**

|   |   |
|---|---|
| 1 | Camcoats Private LTD, Raiwind Road Lahore |
| 2 | Safe Solution Private LTD, FSD            |
| 3 | Roofline Private LTD, Multan Road Lahore  |
| 4 | NLC Faisalabad M4                         |
| 5 | AZ Apparel pvt Limited FSD                |

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**Textile**

|   |                                      |
|---|--------------------------------------|
| 1 | Masood Textile Mill Ghaseet Pura FSD |
| 2 | Ahmad Jamal Textile Khurrianwala FSD |
| 3 | Ittehad Spinning Mill                |
| 4 | Arfa Textile Mills                   |
| 5 | Rashid Textile Printing Pvt Limited  |
| 6 | Arshad Corporation Pvt Limited       |
| 7 | Kamal Hozri Khurrianwala FSD         |

The sample Invitation letter forwarded to industries is as follows:

**SUBJECT: INVITATION FOR CAREER DAY CEREMONY AT GOVT. COLLEGE OF TECHNOLOGY, SAMANABAD, FAISALABAD ON 31-10-2018 WITH THE COORDINATION OF FCCI & JICA.**

Sir

The Undersigned feels honored and elated to share with you that TEVTA in collaboration with JICA & FCCI is going to hold Career Day Ceremony at GCT, Faisalabad on 31.10.2018 from 09.00 am to 05.00pm. In this regard, you are cordially invited to grace the occasion with yours or some representative's presence on your behalf to interview our existing as well as pass-outs students for the placement-process and visit our Centre of Excellence College of TEVTA Punjab. Please Confer some precious suggestions how to meet with the quality of standard education along with the skills required in the industrial arena now-a-days

So, you are requested to inform well-in-time about your confirmation of the requested presence that will surely facilitate us in evolving the final shape of the above-mentioned program as successful.

(Dr. Syed Htikhar Hussain Shah)

PRINCIPAL

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**ARRANGEMENTS IN IQBAL AUDITORIUM GCT FAISALABAD**

Various teaching staff mentioned above with collaboration of the conveyors of committees were mobilized for setting up 20 desks and chairs for students and Industrial representative. Stall of each industry is separately prepared so that students can interact an interviewed with them easily. One teacher was attached with each industrial representative in order to facilitate and help out him in interviews.

Logistics provided to the industrial representatives at the venue were:

- Table and Chairs
- Printing Facility.
- Ball points and File cover.
- White Pages.
- Participants are requested to bring your Laptop and Advertising flex, Standees for display.
- Participants can also bring Marketing Stuff that includes Company Leaflets, Brochures etc.
- Space is provided for Products display by Company.

Chapter 3

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**Detail of Participants**

Total of participated Industries and guests along with their representative description is as follows:

| Total Participants               |            |
|----------------------------------|------------|
| JICA Participants                | 6          |
| TEVTA Participants               | 3          |
| VIP's Participants               | 12         |
| Industry Executives Participants | 27         |
| Interviewer Participants         | 60         |
| Press/Media Participants         | 10         |
| GCT FSD Participants             | 53         |
| <b>Total Participants</b>        | <b>171</b> |

**Chapter 4**

**CONDUCT OF CAREER DAY:**

The career day program was carried out on 31 Oct, 2018 started at 10:00 AM with opening address and finished at 02:00 PM with thanking address of Principal. The program commencement list is as follows:

**PROGRAM**

|                        |          |
|------------------------|----------|
| Start of Career Day    | 10:00 am |
| Start of Interview     | 10:15 am |
| Guest to be Seated     | 10:45 am |
| Arrival of Chief Guest | 11:00 am |
| Welcome Address        | 11:05 am |
| Project Display Visit  | 12:15 pm |
| Lunch                  | 2:00 pm  |

**Chapter 5**

**PICTORIAL VIEW:**



Inauguration of Career Day



Guests on Stage



Students Interview by Shahzad Pumps



Students Interview by Pepsi



Project Display of Different Departments



Mr. Masami Tsuyuki Checking Projects



GCT FSD Principal Presenting Career day Report to Mr. Onoe



Mr. Yoshihisa Onoe, Senior Representative, Addressing to Career Day Participants



ایس ای ڈی کے طلبہ اور اساتذہ کی کاروباری اداروں کے نمائندوں کے ساتھ ملازمت کے مواقع پر گفتگو کی تصویریں اور ایس ای ڈی کے طلبہ اور اساتذہ کی کاروباری اداروں کے نمائندوں کے ساتھ ملازمت کے مواقع پر گفتگو کی تصویریں

Career Day News in Newspaper

Chapter 6 : Outcome of Career Day for Mechanical Department

| Name of Industry                                    | Number of hiring | Type of JOB |             |
|---|------------------|-------------|-------------|
|   |                  | OJT         | Confirm JOB |
| Mistequay international Pvt limited Faisalabad      | 10               | 8           | 2           |
| Punjab Beverages co Pvt limited Pepsi Faisalabad    | 13               | 9           | 4           |
| Chenab Engineering & foundry FSD                    | 12               | 7           | 5           |
| Strongman Medical products Sargodah Road Faisalabad | 9                | 4           | 5           |
| Shahzad pumps and electric works Faisalabad         | 8                | 7           | 1           |
| Seth Muhammad tufail foundry pvt limited Samundri   | 5                | 5           | 0           |
| <b>Total</b>  |                  | <b>40</b>   | <b>17</b>   |

添付資料 6-17：クロージングセレモニー報道記事



- Broadcasting on City41 Faisalabad



## **Name of Newspapers who Publish Closing Ceremony Event**

| <b>Newspaper Name</b>  | <b>Publish date</b> |
|------------------------|---------------------|
| Daily Dunya            | 30 Nov 2019         |
| Daily Parwaz           | 02 Dec 2019         |
| Last Way Weekly        | 02 Dec 2019         |
| Daily Jamhuriat Pasand | 01 Dec 2019         |
| Daily Business report  | 03 Dec 2019         |
| Daily Express          | 30 Nov 2019         |
| Daily Aman             | 01 Dec 2019         |
| Daily Pakistan         | 01 Dec 2019         |
| Dawn News channel      | 01 Dec 2019         |
| City 41*               | 29 Nov 2019         |

**Note :** Live coverage of closing ceremony event was broadcast on city 41 Faisalabad.