

Appendix 6-9 : Equipment List of GCTs

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				
Metal Work									
1	Pedestal Tool Grinder	Grinstone diameter 205mm or more	1	Yes		CHINA	1975	1	
2	Power Hacksaw	Max Cutting capacity: 1) 90°= 125mm(round), 128*150mm(square) 2) 45°= 95mm(round), 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	
Material Testing Lab									
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 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 Magnetic flux 0.8mWb or more	0					1	
Advance Machine Shop									
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	
CNC LAB									
1	CNC Vertical Machining Center	-CNC Vertical Machining Center X-axis-travel= 500 mm Y-axis-travel= 400 mm Z-axis-travel= 330 mm	0					1	
2	CNC Turning Center	-CNC Vertical Machining Center X-axis-travel= 650 mm Y-axis-travel= 400 mm Z-axis-travel= 500 mm	0					1	
3	Metal Cutting Band Saw		0					1	
CAD-CAM Lab									
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) RAM 16GB	0					1set	
5	Computers (i7)	CPU core:i7 6700(3.4GHZ) RAM 16GB	0					50	
Computer Lab									
1	Multi Media Projector	Light Output (Lumens)= 3100 or more Resolution= 1024 x 768 pixels or more Screen size= 0.76 to 7.6 m or wider	0					1set	

Welding Shop									
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 Rated Utilization= 40 %	0					1	
3	MIG Welder	Power rated input= 16 kW Rated Utilization= 60 %	0					1	
4	Plasma Cutting Machine	Rated Utilization = 60 % Out put Current= 60 A	0					1	
5	Spot welding machine	Input Capacity= 15 KVA or more	0					1	
6	Air Compressor	Air tank 65 liters or more	0					1	
Foundry Shop									
1	Core Baking oven	Temperature range= 100 to 1100 °C or wider	0					1	
2	Gas Fired Tilting Crucible Furnace	Type= Muffle furnace Max. temperature= 1200 °C or more 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	
Basic Machine Shop									
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= ϕ 4-19 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	
Metrology Lab									
1	Cast Iron Surface Plate	500mm × 500mm	0					2	
2	Glass Surface Plate	500mm × 500mm	0					1	
Hydraulic Lab									
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	
Heat Engine Lab									
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	
Wood Workshop									
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				
Metal Work (30x58) square ft								
1	power hacksaw	0					1	
2	tool grinder	0					1	
Materil Testing Lab (30x40) square ft								
1	brinell hardness testing machine(work size 200 x 140 mm)	1					1	
2	rock well hardness testing machine (work size 200 x 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	
Advance Machine Shop (30x40) square ft								
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	
CNC Lab (30x20) square ft								
1	CNC Vertical Machining Center	0					1	
2	CNC Turning Center	0					1	
CAD CAM Lab (30x40) square ft								
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	
Welding Shop (30x70) square ft								
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	

Foundry Shop (30x50) square ft							
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	
Auto CAD Lab (30x20) square ft							
1	computer	0				50	
	Server System					1	
4	multimedia projector	0				1	
5	AUTO CAD 2010	0				50	
6	microsoft windows 10	0				50	
Metrology Lab (30x60) square ft							
1	cast iron surface plate	5				2	
2	granite surface plate	1				1	
Hydraulic Lab (30x30) square ft							
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	
Thermodynamics / Heat Engine Lab (30x30) square ft							
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	
Woodwork Shop (30x30) square ft							
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				
Metal Work (30x58) square ft								
1	PILLAR DRILL MACHINE:-	2	Yes	NIL	England	1962	1	
2	Power Hackaw	1	Yes	NIL	England	1962	1	
3	Hand Sharing Machine	-	-	-	-	-	1	
Material Testing Lab (30x40) square ft								
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	
Advance Machine Shop (30x40) square ft								
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	
CNC Lab (30x20) square ft								
1	CNC Vertical Machining Center	-	-	-	-	-	1	
2	CNC Turning Center	-	-	-	-	-	1	
CAD CAM Lab (30x40) square ft								
1	3D CAD Software	-	-	-	-	-	30	
2	3D CAM Software	-	-	-	-	-	30	
3	Server system	-	-	-	-	-	1set	
4	Computer	-	-	-	-	-	30	
Welding Shop (30x70) square ft								
1	Preheating Furnace	-	-	-	-	-	1	
2	TIG Welding Machine	-	-	-	-	-	1	
3	MIG Welding Machine	-	-	-	-	-	1	
4	Plasma Cutting Machine	-	-	-	-	-	1	
5	Air Compressor	-	-	-	-	-	1	
Foundry Shop (30x50) square ft								
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				
GENERAL METAL SHOP (30x40) square ft								
1	Pedestal Grinder	0					1	
2	Power Hacksaw	0					1	
3	Hand Shear Machine	0					1	
MATERIAL TESTING LAB (30x40) square ft								
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	
ADVANCE MACHINE SHOP (40x60) square ft								
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	
CNC LAB (30x40) square ft (suggested)								
1	CNC Vertical Machining Center	0					1	
2	CNC Turning Center	0					1	
WELDING SHOP (30x70) square ft								
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	
FOUNDRY SHOP (112x41) square ft								
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 (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 (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	

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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				
METAL SHOP (30x58) square ft								
1	Pedestal Grinder	0	0	1			1	
MATERIAL TESTING LAB (30x40) square ft								
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	
MACHINE SHOP (30x40) square ft								
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 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
CNC LAB (30x20) square ft								
1	CNC Turning Center	0					1	
2	CNC Turning Center	0					1	
3	Metal Cutting Band saw	0					1	
CAD CAM LAB (30x40) square ft								
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	
WELDING SHOP (30x70) square ft								
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	
FOUNDRY SHOP (30x50) square ft								
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	-
METROLOGY LAB (30x60) square ft								
1	Surface plate	1	1	0			1	
HYDRAULLIC LAB (30x30) square ft								
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	
Woodwork Shop (30x30) square ft								
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 Quantity Required as per New Curriculum	Remarks (if any)
			Working	Notworking				
METAL SHOP (30x58) square ft								
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	
MATERIAL TESTING LAB (30x40) square ft								
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 Grider	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	
BASIC / ADVANCE MACHINE SHOP (50x40) sq ft								
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	
CNC LAB (30x40) square ft								
1	CNC Vertical Machining Center	0	0				1	
2	CNC Turning Center	0	0				1	
CAD CAM LAB (30x40) square ft								
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	
WELDING SHOP (30x70) square ft								
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	

FOUNDRY SHOP 60*30) square ft							
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
AUTO CAD LAB (30x20) square ft							
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
METROLOGY LAB20*20 square ft							
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
Thermodynamics / HEAT ENGINE LAB(30x30)square ft							
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
Woodwork Shop (50x30) square ft							
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 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				
METAL SHOP								
1	Tool Grinder	0	x				1	
MATERIAL TESTING LAB								
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	
ADVANCE MACHINE SHOP								
1	Vertical differential type hobbing machine with all standard accessories	0					1	
CNC LAB								
1	CNC Vertical Machining Center	0					1	
2	CNC Turning Center	1		Yes	Boxford	2001	1	
CAD CAM LAB								
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	
WELDING SHOP								
1	TIG Welding machine	0					1	
2	MIG Welding Machine	0					1	
3	Plasma Cutting Machine	0					1	
4	Air Compressor	0					1	
FOUNDRY SHOP								
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	

BASIC MACHINE SHOP									
1	Lathe Machine	0					2		
2	Shaper Machine	1	Yes		Beco	1960	1		
METROLOGY LAB									
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		
HYDRAULIC LAB									
1	Fluid friction in pipes with hydraulic bench	1		Yes	Te Equipment 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		
Thermodynamics / HEAT ENGINE LAB									
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		
Woodwork Shop									
1	Jig Saw	0					1		
2	Wood Turning Lathe	1	Yes		Leicester 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 ₂ 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)
METAL SHOP (30x60) square ft			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	
MATERIAL TESTING LAB (30x60) square ft								
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	
ADVANCE MACHINE SHOP (30x60) square ft								
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	
CNC LAB (30x60) square ft								
1	CNC Vertical Machining Center	0					1	Lab /shop not established due to nonavailability of equipment
2	CNC Turning Center	0					1	
WELDING SHOP (30x60) square ft								
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	

FOUNDRY SHOP (30x60) square ft							
1	CRUCIBLE PIT FURNACE (Gas fired)	0				1	Lab/shop not established due to nonavailability of equipment
2	Core Baking Oven	0				1	
AUTO CAD LAB (30x60) square ft							
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	
HYDRAULIC LAB (60x30) square ft							
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	
Thermodynamics / HEAT ENGINE LAB							
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	
Woodwork Shop (60x30) square ft							
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				
Foundry Shop								
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	
CNC Lab								
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							
Metrology Lab								
1	Electrical Comparotor	0					2	
2	C.I Surface Palte	1	1		China	2013	2	
3	Glass Surface Plate	0					2	
Machine Shop								
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	
Metal								
1	Power Hacksaw	0					1	
2	Foot Shear						1	
Welding								
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	
Material Testing Lab								
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	
Hydraulic Lab								
1	Hydraulic Control Equipment set	0					1	
2	Piston Accumulator ((Transparent Model)	0					1	
3	Bernoulli's Appratus	1			Armfield	1968	1	
Heat Engine Lab								
1	Dead Weight Gauge Tester with Pressure Guage	0					1	
2	Thermocouples (Different Ranges)	0					1	
3	AC System Trainer (Heating & Cooling)	0					1	
CAD / CAM Lab								
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				
METROLOGY LAB (30 X 24) Square Ft								
1	Glass Surface Plate	0					1	
2	Gear Testing Machine	0					1	
4	Optical Flats	0					1	
Foundry Shop (28 x 45) Square Ft								
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	
MATERIAL TESTING LAB (30 x 40) Square Ft								
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	
HYDRAULIC LAB (20 x 40) Square Ft								
1	APPARATUS OF ENERGY LOSSES IN BENDS	0					1	
2	PNEUMATIC CONTROL EQUIPMENT SET	0					1	
CNC LAB within Material Testing lab								
1	CNC Vertical Machining Center	0					1	
2	CNC Turning Center	0					1	
CAD CAM LAB								
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	
Welding Shop (30 x 40) Square Ft								
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	
ADVANCE MACHINE SHOP (30 x 70) Square Ft								
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	

Appendix 6-10 : Equipment Management Manual (Volume.1)



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

5 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.

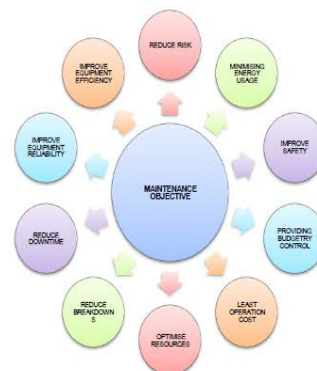


Figure 1-1 Objective of Maintenance Work

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 economics.

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

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

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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.

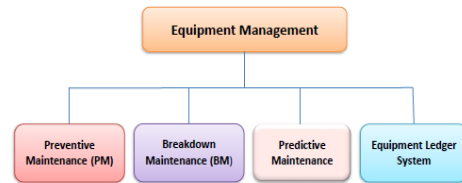


Figure 3-1 Types of Maintenance Works

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

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

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

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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

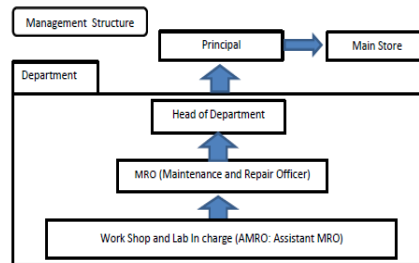


Figure 5-1 Equipment Management Structure

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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Govt. College of Technology (GCT)-FSD
College RD, Samanabad, Faisalabad
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JICA Pakistan Office
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Suhrawardy, G-5/1, Islamabad
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Appendix 6-11 : Overview of Master Training and ToT

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 ~ 16:00
------	--------------	------	---------------	------	---------------

Sl. No.	Topic	Hours	Number of Participants from GCTRR	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)			
					GCT FSD		GCT FSD		GCT RR		GCT RR		GCT RR		GCT RR		GCT FSD		GCT FSD		GCT FSD	
					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	AM 1	AM 2
1	general briefing	4	19	15	○																	
2	Workshop I (Basic machine shop)	6	1	Egr.NISHHARA			Mr. Saf Ullah					Mr. Bashir Jaffer	Mr. Saqib Nadeem									
3	Health Safety and Environment	6	2	Egr.SONODA			Mr. Nouman Siddique						Mr. Muhammad Anwar									
4	Basic Engineering and Drawing - CAD I	6	2	Egr.KOWATARI								H.D. Mr. Hafeez Ali	Mr. Sajid Ali								Mr. Ahsan	
5	Engineering and Drawing II	4	1	Egr.KOWATARI								Mr. Anwar Ul Haq										Mr. Asif Tahir
6	Workshop II (TIG/MIG, Plasma Cutting)	6	1	Egr.OYABU			Mr. Muhammad Ahsan					Egr. Umar Farooq	Mr. Muhammad Siddiq									
7	Metallurgy	4	1	Egr.OYABU				Mr. Faiz Mulyadina					Mr. Khalid Hussain Shah									
8	Metrology	6	1	Egr.NISHHARA			Mr. Muhammad Ashraf						Mr. Saad Rafiq	Mr. Ghulam Rasool								
9	Hydraulics and Hydraulic Machines	4	1	Egr.ISHII								Mr. Tariq Khan										
10	Applied Thermodynamics	4	1	Egr.ISHII			Mr. Umar Mirza						Egr. Khalid Farooq									
11	Industrial Planning and Production Method	4	1	Egr.SONODA			Mr. Asif Noor					Egr. Ahsan Atique										
12	Machine Design	4	1	Egr.ISHII				Mr. Adil Nawaz					Egr. Saad Tahir									
13	Tool and Mold Design	4	1	Egr.KOWATARI									Mr. Tanveer Iqbal									Mr. Muhammad Abbas
14	Material Testing and Heat Treatment	6	1	Egr.OYABU			Mr. Muhammad Ahsan						Mr. Razaq Khan									
15	Workshop III (Machines, Tool Grinding)	8	1	Egr.NISHHARA				Mr. Muhammad Anwar					Mr. Muhammad Sarfaraz	Mr. Muhammad Shaikh								
16	CAD/CAM	6	2	Egr.KOWATARI																		Mr. Nouman Siddique
17	CNC Machines (Machining Center, Turning Center, Wire Cut)	4	1	Egr.NISHHARA																		
Total		86	38	33																		

Expert schedule :

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

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 treatment	Mr. Oyabu
13.1	Material testing and heat treatment	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	
MT	ToT	from GCT FSD	from 11 GCTs
1		17	
4	4	1	6
2.5	2.5	1	6
2.5	2.5	1	9
		-	
2.5	2.5	1	6
6	6	1	5
2	2	1	7
2.5	2.5	1	6
3	3	1	9
2	2	1	7
2.5	2.5	1	4
5	5	1	5
5	5	1	7
2	2	1	3
10	10	1	5
5	5	1	8
3	3	1	8
2.5	2.5	1	6
4	4	1	7

November 2019 at GCT FSD																												
Instructor as Master Trainer	Title of Training Topic	Venue	Hours	18		19		20		21		22		23		24		25		26		27		28		29		
				Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
			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	Bernoulli's Theorem Practical (Venturi Meter)	Hydraulics Lab	3																									
Mr. Unair 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. Muhammad Abbas	Design Injection Moulding Die for mobile job on autocad Inventor	CAD/CAM Lab	5																									
Mr. Muhammad Alam	Hardness Test by Rockwell. Hardness Test in Carbon Steel	Material Testing Lab	2																									
Mr. Muhammad Sarfraz	Magnetic Particle Testing (MPT) yoke Method Using Simulated Specimen	Material Testing Lab	2 days																									
Mr. Muhammad Arshad	Index Method (For Gear Cutting on Universal Milling Machine)	Advance Machine Shop	5																									
Mr. Muhammad 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																									

Appendix 6-12 : Master Trainer Certificate (Sample)



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

Appendix 6-13 : Strategies and Implementation Process of
Industrial Linkage 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 2nd 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 st step	Review the industrial linkage activities demonstrated by GCT RR. Industrial Linkage survey is done.	Done
2 nd step	Discuss with GCT/TEVTA/industries on industrial linkage.	Done
3 rd step	Strategies and implementation process of industrial linkage in the working group.	On going
4 th 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 update 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

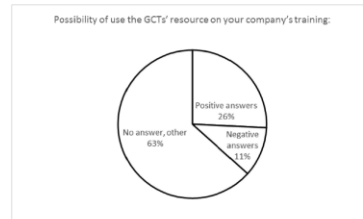
Data collection period: March-April 2016
 Target: Companies selected by 13 GCTs
 Method: Questionnaire survey conducted by GCT instructors
 Number of answering companies: 202

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".



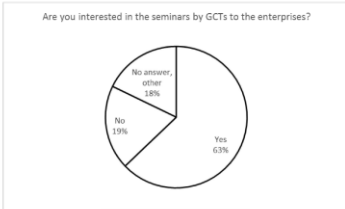
(2) Intent to participate in the recruitment seminars

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

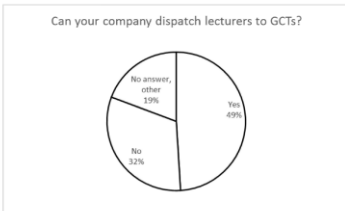


(3) Interest of the enterprises in the seminars by GCTs

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
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 Improvement in practicals

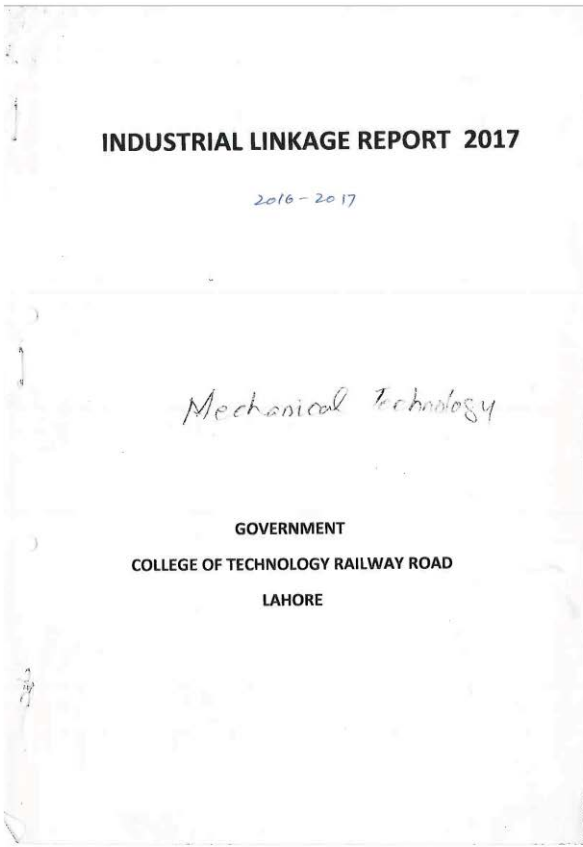
[Theory]
 Theory should be a point of more concern
 Student skill level improvement need
 Knowledge: Knowledge: Knowledge

[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

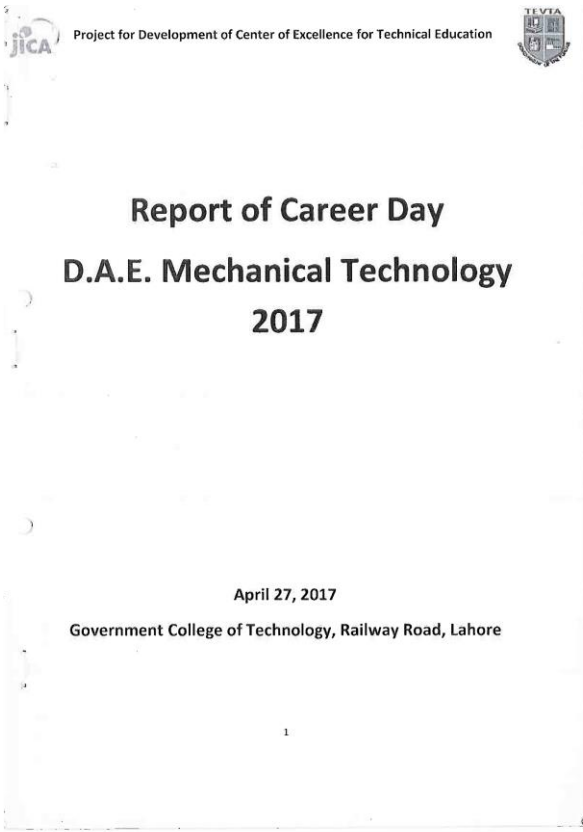
(3) Opinion on curriculum
 [Practical skills in general]
 Needs to be improved in workshop practice
 Hand's on knowledge should be increased

Appendix 6-14 : Industrial Linkage Report (GCT RR 2017)



Contents

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



CONTENTS

Chapter 1	Introduction _____	03
Chapter 2	Preparation regarding Career Day _____	04
Chapter 3	Brief of Participated Industries _____	09
Chapter 4	Conduct of Career Day _____	12
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Chapter 1

INTRODUCTION:

GCT Railway Road Lahore arranged a Career Day on 27th 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 (3rd Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2nd 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 2nd 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	Sheikhupura 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 18th 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 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.k.m 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	Springs Manufacturing
14.	New Asia Automobiles Pvt. Ltd.	18.5 Km Sheikhupura Road Lahore	Automotive

JICA Project for Development of Center of Excellence for Technical Education

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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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.

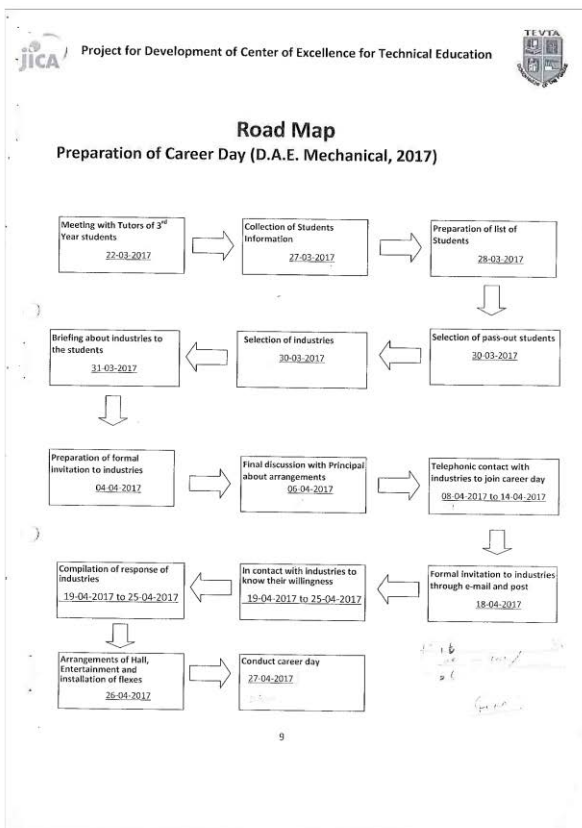
Since December 2008 JICA is continuously engaged with GCT R.R Lahore administration in developing center of excellence. JICA has also helped GCT R.R Lahore by revising curricula of Mechanical Technology, providing latest/upgraded machines and equipment having worth of millions along with providing training 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.

92378063 446

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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) Mumtaz Ahmad (Incharge Training & Placement)
2.	Colgate-Palmolive (Pakistan) Ltd.	Navid Ahmed (Manager HR) Abid Ali (Sr. Manager Production)
3.	Ravi Autos Pvt. Ltd.	Ghulam Rasool (Manager Production) Bashir Ahmed (Manager Quality Assurance)
4.	Infinity Engineering	Ashiq Man (Assistant Manager) Faizan Ali (Job Placement Officer)
5.	Hi-TEK Manufacturing Pvt. Ltd.	Muhammad Awais (Mechanical Engineer) Muhammad Nasir (Production Engineer)
6.	Mughal Steel	Muhammad Irfan (Manager HR) Muhammad Nasir (Assistant Manager HR)
7.	Stanley Industries	Abdul Hameed (Plant Manager)
8.	Ohad Motor Pvt. Ltd.	Muhammad Shoab (Sr. Manager Technical) Rizwan Ahmed (Manager HR)
9.	Omega Industries	Azhar Hussain (Plant Manager) 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) Ahmed Nisar (Engineering Manager)
13.	N Star Corporation	Shouban Akhtar (Managing Director)
14.	Power Vision System Pvt. Ltd.	Muhammad Irfan Ali (Manager HR) 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) 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 27th 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 3rd 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. ii. AJR Metal Fabricator
2.	ATIF-ATTIQUE AND AZHAR MEHMOOD	D.M.2	i. QadBros Engineering Pvt. Ltd. ii. Hi-TEK Manufacturing Pvt. Ltd.
3.	MEHDI KHAN	D.M.3	i. Infinity Engineering ii. Stanley Industries
4.	AKRAM SARFRAZ	D.M.4	i. Mughal Steel ii. N-Star Corporation
5.	SAEED TAHIR	D.M.E.1	i. Ravi Autos Pvt. Ltd. ii. Metal Forming Pvt. Ltd.
6.	TAYYAB USMAN	D.M.E.2	i. Uppal Engineering Pvt. Ltd. ii. PECS Industries
7.	MUHAMMAD RAZZAQ	D.M.E.3	i. Super Asia ii. Happy Manufacturing Pvt. Ltd.
8.	UMER FAROOQ	D.M.E.4	i. Ohad Motors ii. Omega Motors
9.	KHALID FAREED	D.M.E.5	i. MECAS Engineering 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.

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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.

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- 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



Qadros 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



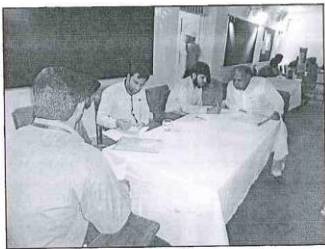
Students Participated in Career Day



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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- 3) PERMISSION FOR NOMINATION FROM INDUSTRIES
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- 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

2nd 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 nd 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 2nd 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 2nd 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

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.
 Email: gct1lahore@yahoo.com



No.GCT/LHR/2017/2481

Dated Lahore, the 15/04/2017

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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.
 M. 24/5/17*

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



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



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Dear Sir,

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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.*

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



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

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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
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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
BT => S.R. Engg. (Pvt) Limited
Quid-e-Jaan Industrial Estate, Hafizabad, LHR.

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

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
 RAILWAY ROAD, LAHORE.
 Email: gct1lahore@yahoo.com



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

Allowed @ Students.
Muhammad
Engr. Rabul
for Higher Secondary

Best regards

Razaqul

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



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



Dated Lahore, the 15/04/2017

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

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

Best regards

Razaqul

Engr. Tariq Mehmood
 Principal
 Govt. College of Technology
 Railway Road 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
Agriculture Engg. Works
Muzilpur.

Best regards

Razaqul

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.

18th 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-53811, Pakistan
 Tel: +92 (42) 35297414 Email: info@microtex-engg.com



No.GC7/LHR/2017/2481

Dated Lahore, the 15/04/2017

REQUEST FOR INTERNSHIP

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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

2nd year Mechanical Technology

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

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

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

	03464045455 S K Engineering Works Chaman colony Baradari road Shahdra more Lahore	2. Nazim Hussain 15-423 SM-1 3. Eman Nadeem 15517 SM-2 4. Junsaid Tariq 15-1638 SME-3 5. H. M. Imran 15-1751 SME-4 (Group Leader) Contact# 0307-4471425 6. Mirza Arslan 15-1726 SME-4 7. Adil Butt 15-435 SM-1 8. M. Asad 15-1846 SME-5
20.	Muhsin Ahmad Raza (Proprietor) 03004705113 Ahmad Engineering Fabricates Chah Sard Bagh outside Sarai Sultan Lahore	1. Muhammad Abu Bakar 15-1610 SME-3 2. Hamza Tariq 15-1743 SME-4 (Group Leader) Contact# 0307-6690137 3. Nauman Asghar 15-504 SM-2
21.	Muhammad Ahmad (proprietor) 03342218004 Ahmad Engineering Works East Gate outside Sarai Sultan Lahore	1. Roheel Tariq 15-1512 SME-2 (Group Leader) Contact# 0308-4492049 2. Usama Riaz 15-1619 SME-3 3. Hamza Sajjad 15-1623 SME-3
22.	Muhammad Khalid – Works Manager 0321-4100163 Bajwa Agro Industries Singh pura Baghbanpura shawala chowk Lahore.	1. M. Salim 15-1521 SME-2 2. M. Usman 15-1506 SME-2 (Group Leader) Contact#0308-4116140 3. Adnan Manzoor 15-1526 SME-2 4. Hader Butt 15-1719 SME-4
23.	Muhammad Rizwan Saleem (Director) 03008414797 Sir Engineering enterprises(Pvt) Ltd. Plot # 131 S- Quid e Azam Industrial Estate KotLakhpata Lahore.	1. M. Habib 15-617 SM-3 2. Farrukh Shahad 15-706 3. Adeel Ahmad 15-725 4. Anas Ahmad Khan 15-1435 (Group Leader) Contact#0333-4988254 5. Muhammad bin Anif 15-708 SM-4 6. M. Ahmad Tufail 15-1812 SME-3 7. Hassan Aziz 15-718 SM-4 8. Umair Asghar 15-1645 SME-3 9. Kaleem A. Rasheed 15-632 SM-3
24.	Ghulam Rasool (Manager HR) 0323-4793143 RAVI AUTOS Private Limited. 8.5 Km sheikhupura road Lahore	1. Rebaal Rafiq 15-710 SM-4 (Group Leader) Contact# 0333-3371744 2. Zeeshan Nawaz 15-1625 SME-3 3. Mohsin Mushtaq 15-1744 SME-4 4. Muneer Hussain 15-1736 SME-4 5. Faizan 15-1729 SME-4 6. Gul Zaman 15-1827 SME-5
25.	Malood Ahmad shahid (Director) 03334245936 Metal Forming (PVT) Ltd. Ferozpur road near bank stop Lahore.	1. Fahad Hussain 15-537 SM-1 2. Ahmad Fareed Khan 15-537 SM-2 3. Usman Javed 15-637 SM-3 4. Usama Saleem 15-521 SM-2 (Group Leader) Contact#0304-4634808 5. Suqlain Javid 15-540 SM-2 6. Zain Ali 15-1822 SME-635 7. M. Bilal 15-3839 SME-5 8. Saqib Saleem 15-432 SM-1 1. Anas Ashraf 15-1531 SME-2
26.	Mr. Kashif (Manager Production) 03214999817 Stahco (PVT) Ltd. Ferozpur road near Masjid e Ibrahim Lahore.	2. Shahab Ali 15-709 SM-4 (Group Leader) Contact# 0336-4458558 3. Muhammad Ahmad 15-717 SM-4 4. Muneer Rehman 15-1454 SME-1 5. Nawaz Aziz 15-1518 SME-2

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

	Salamat pura Stop	5. Sherya: Khan 15-1737 SME-4 6. Abdul Rehman 15-1551 SME-2
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NOMINATION OF CANDIDATES



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

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



No.GCT/LHR/2017/_____ Dated Lahore, the _____/2017

To

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

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



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. 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,

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. 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.

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 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.

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. Abu Bakur 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

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. 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.

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 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.

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

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,

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. 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

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. 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.

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. 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.

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. 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

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
Engr. Imran ul Hasan
(03032593619)
Hi-TEK Manufacturing private LTD, Near mominpura
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.

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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.ShabanAkhtar 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.

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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. Yousef 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. EME 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.

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1. Mubasar Sabir 15-442 SM-1
2. Umair Hussain 15-507 SM-2
3. Shabrooz 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.

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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.

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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.

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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.

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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.

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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.Aziz 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



No.GCT/LHR/2017/_____ Dated Lahore, the _____/2017

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

Non-Disclosure of personal information

**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 2nd 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



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



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



Engineers - Contractors - Manufacturers



Hi-Tek Manufacturing (Pvt.) Ltd.

REF NO HRP/209

Date 24-7-17

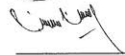
TO WHOM IT MAY CONCERN

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 10th July to 22nd 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, 1187, Service Lane, Qasid-e-Azam
Interchange, Ring Road, Lahore-Pakistan.

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

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

www.hitek.com.pk

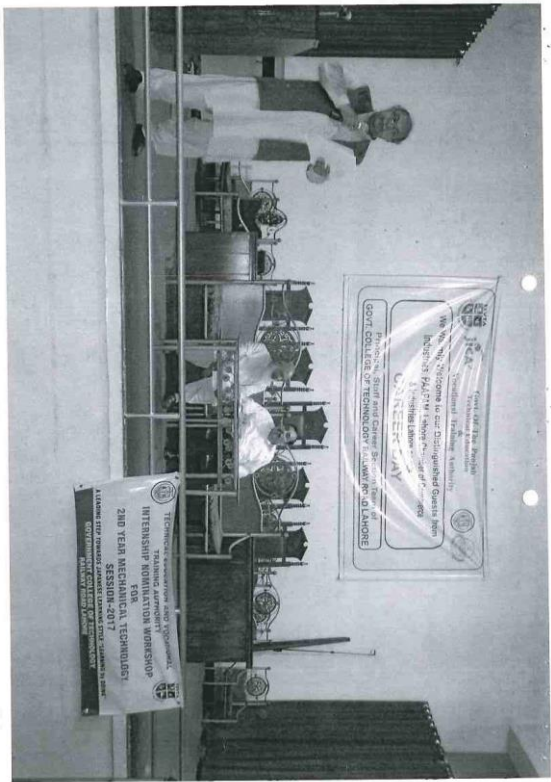
**STUDENT,S TRAINING
REPORTS
(SAMPLES)**

**Non-Disclosure of
personal infomation**

Non-Disclosure of personal information

**Non-Disclosure of
personal information**

**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

1

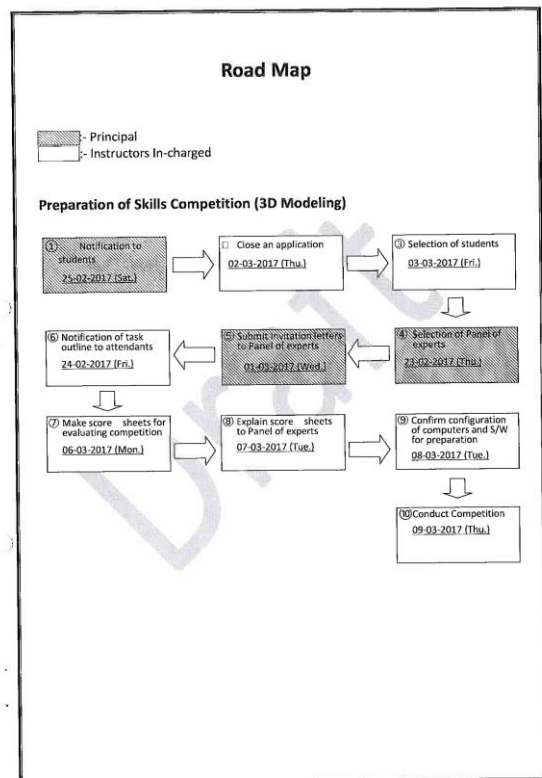


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2

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

3

1.3: Comments

The AutoCAD Mechanical introduced at 1st and 2nd 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 1st, 2nd and 3rd 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.

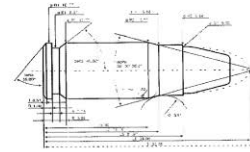
c) Drafting Media

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:

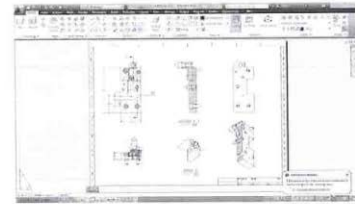
Most drafting media are available in three styles: rolls, plain sheets, and preprinted sheets with borders and title blocks. There are also sheets available with non-photo blue (a light blue color that does not reproduce when making blueprints) grids. Entry level design projects at the University of 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.

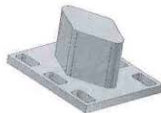
8

3.3 Figure of Projects



Design of a shaft

2.



Design of Mechanical Parts



Design of a jug



Design of a sheet metal part



Design of a multitray

10

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 :- 1. DESIGN OF MECHANICAL PART 2. DESIGN OF A MULTITRAY 3. DESIGN OF A JUG 4. DESIGN OF A SHAFT 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 st -4 th March 2017
District Level	9 th -10 th March 2017
Competition at Zonal Level	15 th -16 th March 2017
TEVTA Punjab Level	21 st -22 nd March 2017
Prize Distribution	24 th 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 3rd 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 st , 2 nd and 3 rd Position
14:00-----14:30	Closing of Program

Participants

- Principal of the college
- All HOD's
- Facility members of Mechanical Department students of 1st, 2nd and 3rd 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 st Position
CNC Machining Center	Secured 2 nd Position
3D CNC Router	Secured 3 rd 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

316

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 Sheikhpura Road, Lahore
- Matrix of Lecture:

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

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

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Chapter 3.Conclusion

1. Result: Totally 117 students from 3rd 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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CONTENTS

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

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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 3rd 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.

327

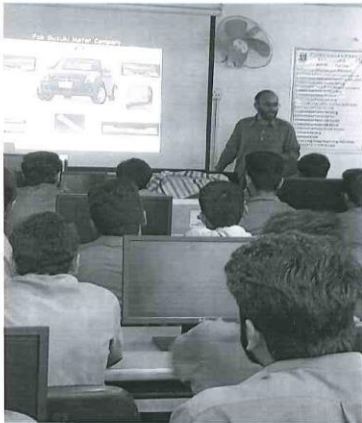
6. Photos



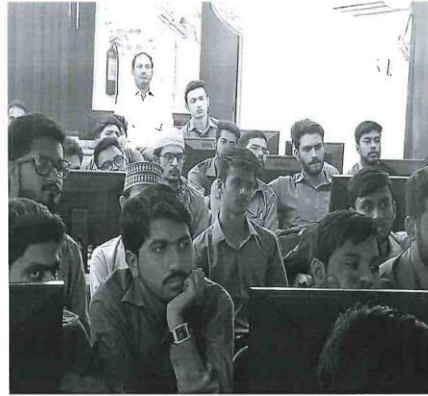
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Appendix 6-15 : Industrial Linkage Activity Plan

	<p>GOVT. OF THE PUNJAB TECHNICAL EDUCATION & VOCATIONAL TRAINING AUTHORITY (TEVTA) GOVT. COLLEGE OF TECHNOLOGY Samanabad, Faisalabad PH: 041-9330665-66 E-mail: tevtactgctfsd@yahoo.com gct.fsd@tevta.gop.pk</p>	
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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) Mr. Tahir Shahzad Engr. Ali Anwaar Engr. Adil Nawaz Mr. Faiz Mohy ud Din.	1) Preparation and conduct of Career day. 2) Preparation of Report
2	Skill Competition	3 rd Week of Feb 2019	Mr. Muhammad Arshad (Convener) Mr. Wasif Ali Mr. Umair Mirza Mr. Shafique Ahmad Ijaz Mr. Muhammad Shoaib	1) Preparation and conduct of Skill Competition 2)Preparation of Report
3	Special Lectures by Industry Experts	2 nd & 4 th Week of each academic months of 2018-19	Mr. Athar Rasheed (Convener) Mr. Muhammad Noman Siddique Mr. Muhammad Sarfraz	1)Preparation and conduct of special lectures 2)Preparation of Report
4	Meeting of IMC	October 2018, Jan 2019, May 2019	Sh. Amjad Hussain President IMC (Convener) Mr. Noor Asif Noor Mr. Muhammad Younas IPO+AIPOs	1)Preparation and conduct of meeting 2)Preparation of Report
5	Project exhibition	Ist Week of may 2019	Mr. Noor Asif Noor (Convener) Mr. Muhammad Arshad Mr. Wasif Ali Mr. Umair Mirza Mr. Shafique Ahmad Ijaz Mr. Muhammad Shoaib	1)Preparation and conduct of exhibition 2)Preparation of Report
6	Internship	July/August 2019	Mr. Muhammad Alam (Convener) Mr. Muhammad Sarfraz Mr. Muhammad Abbas Mr. Muhammad Shoaib	1)Preparation and schedule of internship program 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 th week of Sept 2019	M. Tariq Mehmood (Convener) Atif Attique M. Umer Farooq	1-Preparation and Conduct of Career day 2-Preparation of report
2.	Skill Competition	1 st week of March 2020	M.Azhar Sharif (Convener) Ahmad Nadeem Qazi	1- Arrangement and Conduct of skill competition 2-Preparation of report
3.	Special Lectures	4 th week of Oct. 2019 4 th week of Nov. 2019 4 th week Jan. 2020 4 th week Feb. 2020 1 st week Apr. 2020	Akram Sarfraz (Convener) M. Razzaq Khan	1- Arrangement and Conduct of special lectures 2-Preparation of report
4.	Meeting of IMC	4 th week of Aug. 2019 1 st week of Dec. 2019 2 nd week of Feb. 2020	M. Razzaq Khan (Convener) M.Akram Sarfraz	1-Arrangement and Conduct of meeting of IMC. 2-Preparation of report.
5.	Project Exhibition	1 st week of May 2020	Saeed Tahir (Convener) Abid Pasha Zaheer ud din Baber Khalid Fareed	1- Arrangement and Conduct of project exhibition 2-Preparation of report.
6.	Intern ship	July/August 2020	M. Razzaq Khan (Convener) Khalid Fareed Atif Attique	1-Arrangement and schedule intern ship program 2-Preparation of report


M. Razzaq Khan

(Focal Person JICA-GCT)



M.Hafeez

(HOD Mechanical)

Appendix 6-16 : Career Day Report

Appendix 6-16-1 : Career Day Report 2016 (GCT RR)



Career Day Report

D.A.E. Mechanical Technology 2016

April 25, 2016

Government College of Technology, Railway Road, Lahore



CONTENTS

Chapter 1 Introduction _____	03
Chapter 2 Preparation of Career Day _____	05
Chapter 3 Participated Industries _____	11
Chapter 4 Conduct of Career Day _____	12
Chapter 5 Feedback from the Industries _____	14



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 25th 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 (3rd Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2nd 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

5



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 2nd 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 15th 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

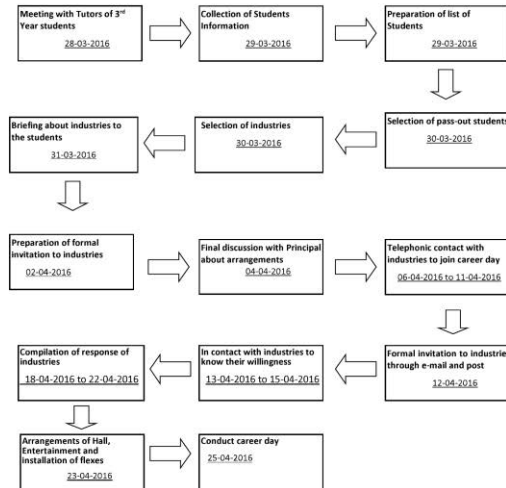
7



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

8

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



9

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.

11

Chapter 4

CONDUCT OF CAREER DAY:

The career day program carried out on 25th 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 3rd 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.

Appendix 6-16-2 : Career Day Report 2017 (GCT RR)

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

April 27, 2017

Government College of Technology, Railway Road, Lahore

CONTENTS

Chapter 1	Introduction _____	03
Chapter 2	Preparation regarding Career Day _____	04
Chapter 3	Brief of Participated Industries _____	09
Chapter 4	Conduct of Career Day _____	12
Chapter 5	Feedback from the Industries _____	14
Chapter 6	Photo Gallery _____	16

Chapter 1

INTRODUCTION:

GCT Railway Road Lahore arranged a Career Day on 27th 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 (3rd Year & Pass-out students were arranged).
- Project Exhibition (Projects made by the final year students were presented).
- Internship program for 2nd 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 2nd 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

5

INVITATION LETTERS

The invitation letters sent to the industries on 18th 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.

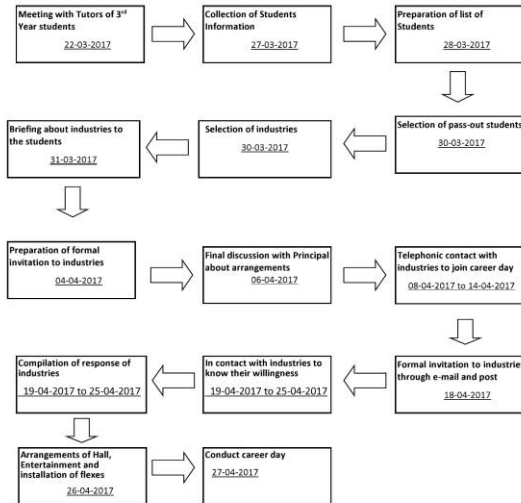
As we consider your organization one of the well-known industry and having a good worth in market. We feel pride to invite your representative on the **Career Day** which is going to be held on **27-04-2017** at Faisal Hall GCT R.R Lahore.

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) Mumtaz Ahmad (Incharge Training & Placement)
2.	Colgate-Palmolive (Pakistan) Ltd.	Navid Ahmed (Manager HR) Abid Ali (Sr. Manager Production)
3.	Ravi Autos Pvt. Ltd.	Ghulam Rasool (Manager Production) Bashir Ahmed (Manager Quality Assurance)
4.	Infinity Engineering	Ashiq Man (Assistant Manager) Faizan Ali (Job Placement Officer)
5.	Hi-TEK Manufacturing Pvt. Ltd.	Muhammad Awais (Mechanical Engineer) Muhammad Nasir (Production Engineer)
6.	Mughal Steel	Muhammad Irfan (Manager HR) Muhammad Nasir (Assistant Manager HR)
7.	Stanley Industries	Abdul Hameed (Plant Manager)
8.	Ohad Motor Pvt. Ltd.	Muhammad Shoab (Sr. Manager Technical) Rizwan Ahmed (Manager HR)
9.	Omega Industries	Azhar Hussain (Plant Manager) 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) Ahmed Nisar (Engineeing Manager)
13.	N Star Corporation	Shouban Akhtar (Managing Director)
14.	Power Vision System Pvt. Ltd.	Muhammad Irfan Ali (Manager HR) 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) 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 27th 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 3rd 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. ii. AJR Metal Fabricator
2.	ATIF ATTIQUE AND AZHAR MEHMOOD	D.M.2	i. QadBros Engineering Pvt. Ltd. ii. Hi-TEK Manufacturing Pvt. Ltd.
3.	MEHDI KHAN	D.M.3	i. Infinity Engineering ii. Stanley Industries
4.	AKRAM SARFRAZ	D.M.4	i. Mughal Steel ii. N-Star Corporation
5.	SAEED TAHIR	D.M.E.1	i. Ravi Autos Pvt. Ltd. ii. Metal Forming Pvt. Ltd.
6.	TAYYAB USMAN	D.M.E.2	i. Uppal Engineering Pvt. Ltd. ii. PECS Industries
7.	MUHAMMAD RAZZAQ	D.M.E.3	i. Super Asia ii. Happy Manufacturing Pvt. Ltd.
8.	UMER FAROOQ	D.M.E.4	i. Ohad Motors ii. Omega Motors
9.	KHALID FAREED	D.M.E.5	i. MECAS Engineering 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

Appendix 6-16-3 : Career Day Report 2018 (GCT RR)

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 13th 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 (3rd 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.	Razzaq 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 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	Mughalpora, 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	Mughalpora, 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 31st August, 2018 via post and through email on 4th 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 Mughalpora 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 Mughalpora 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. Mehfozpora 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.

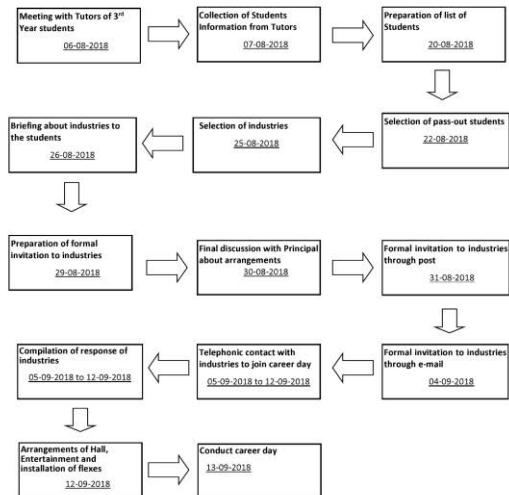
It is worth mentioning here that as per your valuable feedbacks and suggestions we have scheduled the event after the declaration of DAE result so that only interested and pass-out graduates will attend. Kindly join us to conduct interviews of DAE Mechanical Technology graduates in order to evaluate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

We highly appreciate if you acknowledge through email at gctthr.career@gmail.com 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, Standees 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) Umair Khan (Maintenance Head)
2.	Honda Atlas Cars (Pakistan) Ltd.	Farhat Yasin (Deputy Manager HR) Ayesha Azeem (Assistant Manager HR)
3.	Ravi Autos Pvt. Ltd.	Ghulam Rasool (Manager HR & Admin) Bashir Ahmed (Deputy Manager Quality Assurance)
4.	Infinity Engineering	Farhan Khalid (Job Placement Officer) Hafiz Muneer (Marketing Officer)
5.	Hi-TEK Manufacturing Pvt. Ltd.	Muhammad Awais (Mechanical Engineer) Muhammad Nasir (Production Engineer)
6.	Packages Ltd. Lahore	Syed Mubashir Hussain (Manager EHS) Yasir Bhatti (Assistant Manager Welfare)
7.	Stanley Industries	Abdul Hameed (Plant Manager) Gul Rehman (QC Inspector)
8.	Mecas Engineering Pvt. Ltd	Ghufran Elahi (Deputy Manager Quality Assurance)
9.	Metal Forming Pvt. Ltd.	Nisar Ahmad (Engineering Manager) 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) Faisal Chaudhary(Assistant Manager Production)
13.	Risan Engineering Industries Pvt. Ltd.	Jahanzaib Ali (Manager Operations) 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 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



CONDUCT OF CAREER DAY:

The Career Day program carried out on 13th 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 3rd 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 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 (Passing Year-2018)	Total 9 classes of Mechanical Technology	250 Students
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(See Appendix-V: Attendance of Students attached in Appendix-V)



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.



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 3rd 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.

PHOTO GALLERY



Packages Ltd. Representatives taking interview of student



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



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



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



Metal Forming Pvt. Ltd. Representatives taking interview of student



Ravi Autos Pvt. Ltd. Representatives taking interview of student



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)



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

Appendix 6-16-4 : Career Day Report 2019 (GCT RR)

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 26th 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 (3rd 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.

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



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 11th 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, Maulana 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 or through post to the undersigned along with the details of your representatives so that we can make arrangements accordingly.

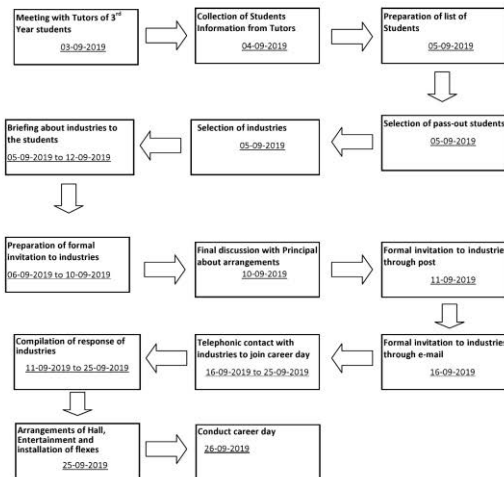
Program Schedule is as under:
 Reception of Guests : 9:00 a.m.
 Start of Interviews : 9:30 a.m.
 Refreshment : 1:30 p.m.

Engr. Tariq Mahmood
 Principal
 Government College of Technology, Lahore



Road Map

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

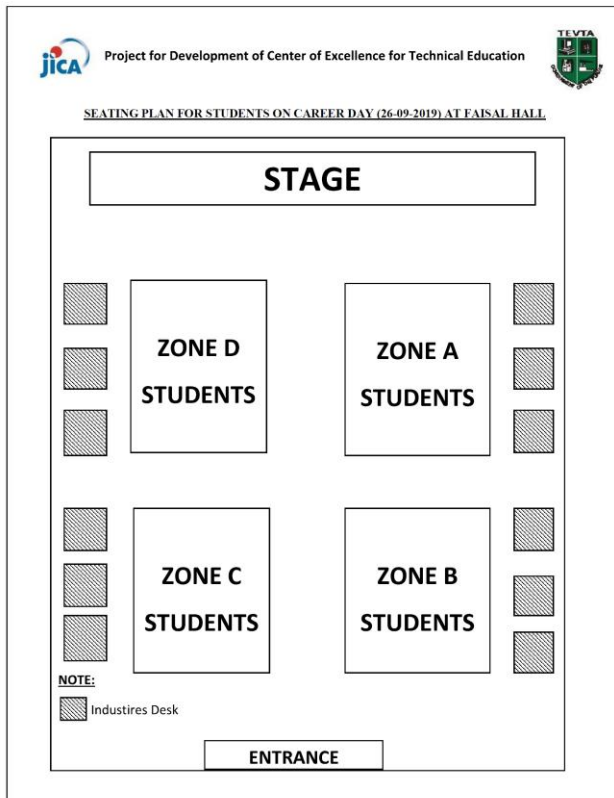


Arrangements of Faisal Hall

Almost 10 teachers and 5 staff attendants were mobilized for setting up 26 desks and chairs for students and Industrial representative. Staff 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.



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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) M. Imran (Manager)
3.	Mughal Steel	Muhammad Ali Syed (Manager) 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) Abid Ali (Sr. Manager Production)
7.	Power Soft	Mr. Faisal Iqbal (Design Engineer) 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) Mr. Ali Raza (Admin)
11.	Metal Forming Pvt. Ltd.	Ahmed Nisar (Engineering Manager)
12.	Stanley Industries	Abdul Hameed (Plant Manager) 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)
16.	Water Regime Pvt. Ltd	Mr. Waseem Akram (General Manager) Mr. Tahir Masood (Directing Project)
17.	Mecas Engineering	Mr. Noman Raza Khan (HR Manager) Ghufran Elahi (Deputy Manager Quality Assurance)

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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) Mr. Sami ullah (Technical Support Engineer)
20.	Infinity Engineering	Hafiz Muneer (Marketing Officer) Mr. Muhammad Muneeb (Job Placement Officer)
21.	Qadri Group	Mr. Muntaz Ahmad (Team Lead) Mr. Saeed Ahmad (Assistant)
22.	IKAN Engineering	Mr. Naseer Ahmad (Production manager) Mr. Nasir Ali (HR Coordinator)
23.	AJR Metal Fabricator	Engr. Majid Shakeel (Sr. Engineer P&P)
24.	Pak Navy	Col. Mr. Adnan 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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TEVTA

Conduct of career day:

The career day program carried out on 26th 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 3rd 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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Non-Disclosure of personal information

Non-Disclosure of personal information

Non-Disclosure of personal information

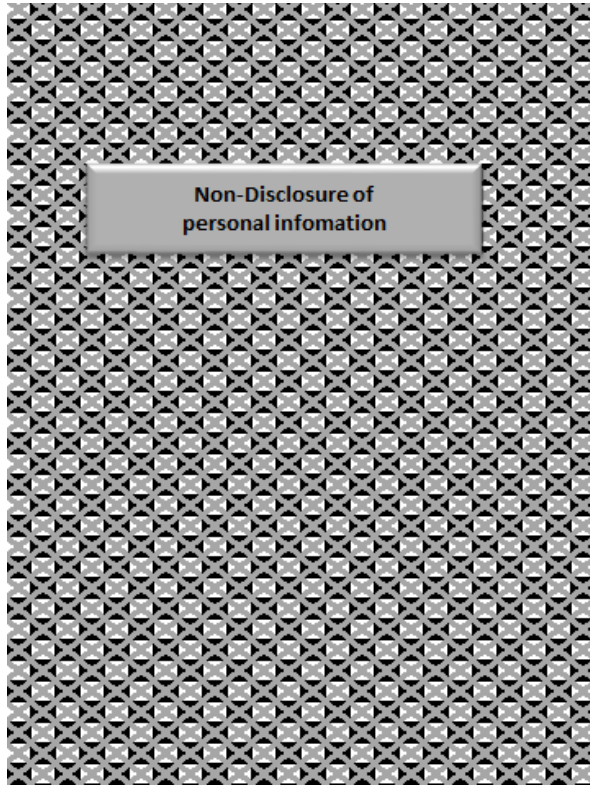


Photo Gallery



Colgate Palmolive Pakistan Representatives taking interview of student



Atlas Copco Representatives taking interview of student



Ravi-Infinity Group Companies Representatives taking interview of student



IKAN Pvt. Ltd. Representatives along with JICA Expert



Izhar Steel Representatives taking interview of student



Water Regime Representatives taking interview of student



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

Appendix 6-16-5 : Career Day Report 2018-1 (GCT FSD)



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 Onoe, Sr. Representative, JICA Pakistan Office
3. Mr. Amer 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 Raut, Vice President, FCCI
7. Mr. Engr. Rizwan Ashraf, Ex. President FCCI
8. Mr. Ferozq Yousaf, 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 Ifkhar 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 Ifkhar Hussain shah	Principal
2	Mr. Abdur Raut	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 Faraid Chief Instructor (CT)	Member
iv.	Mr. Muhammad Montawar Chief Instructor (Instrument)	Member
v.	Mr. Abdur Raut 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 Shoaib Jr. Inst. Cum Lab Technician (MT) (Letters, Cards, Flexes back drop etc.)	Member



3. PRESENTATION & VIDEO FORMATION COMMITTEE

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

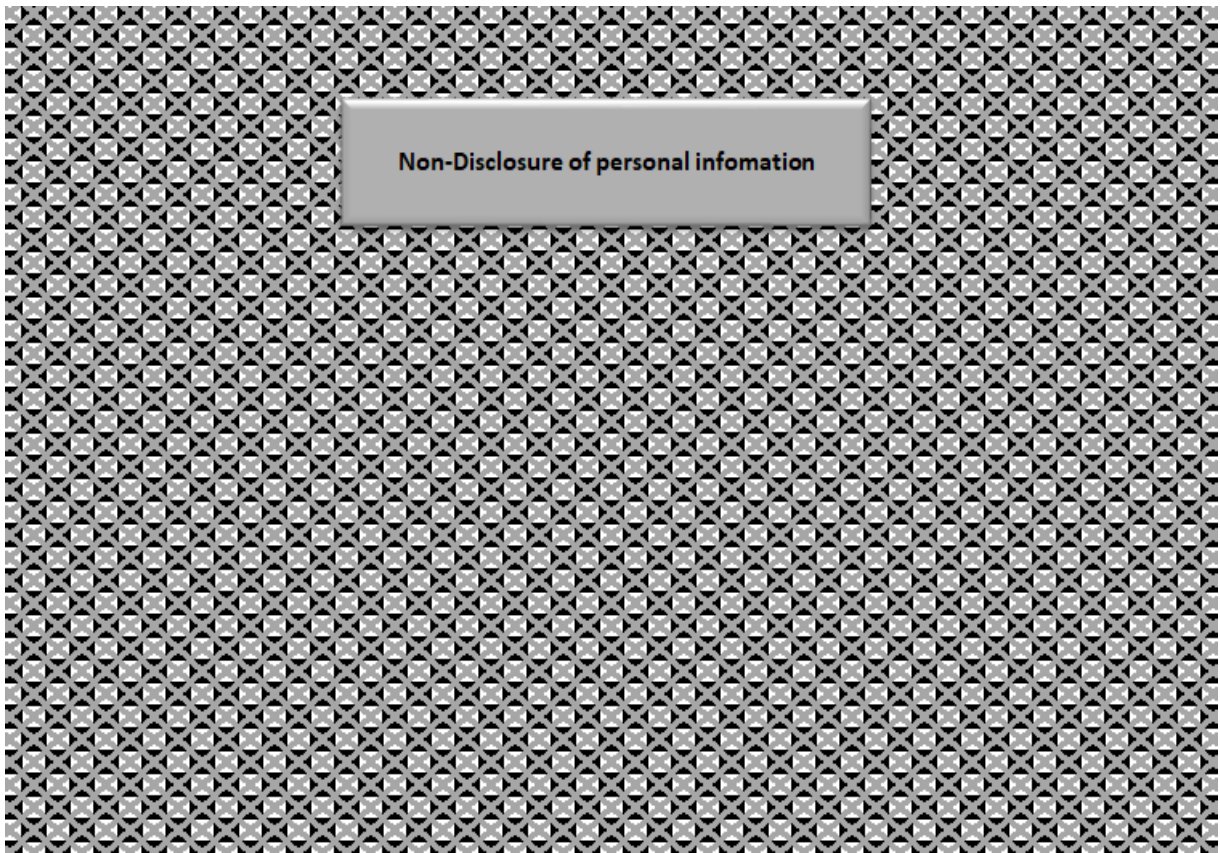
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 The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province 	
4. HALL DECORATION AND SUPERVISION COMMITTEE (Stage, Sound, Seating Plan etc.)	
i. Mr. Saleem Ilyas Junior Instructor (Food)	Convener
ii. Mr. Muhammad Sagheer 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 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
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 Kahloun 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. Shahbir 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
8. INDUSTRIAL LINKAGE COMMITTEE (CONTACT, ASSURANCE, PERSUASION ETC)	
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

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 The Project for Strengthening DAE in Mechanical Technology at GCT's in Punjab Province 	
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 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 Anwaar 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
STUDENTS SELECTION	
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 nd year examination. In total 120 students were invited from all the technologies of GCT FSD.	

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Non-Disclosure of personal information

Non-Disclosure of personal information



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 02nd till 18th 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 Susan 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. Staff 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
Total Participants	163

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	Alkhair 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 26th 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 st 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

Appendix 6-16-6 : Career Day Report 2018-2 (GCT FSD)



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

October 31, 2018

Venue: Govt. College of Technology,
Faisalabad

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CONTENTS

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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 Iftikhar 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) Member (Letters, Cards, Flexes back drop etc.)

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



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. Awasir 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 Ghafar 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. Awasir Irshad Jr. Inst. Cum Lab Technician (Textile) Member



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. Awasir 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. Tassadum 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) Member
- 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



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:



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

12

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
Total Participants	171

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



ایک روز کریم آباد کے ایک کارپوریٹ کے ساتھ ایک ایسی ہیئرنگ کے دوران ایک طالب علم کو ایک سرٹیفکیٹ پیش کیا گیا اور اسے اس کا سرٹیفکیٹ پیش کیا گیا۔
 ایک ایسی ہیئرنگ کے دوران ایک طالب علم کو ایک سرٹیفکیٹ پیش کیا گیا اور اسے اس کا سرٹیفکیٹ پیش کیا گیا۔

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
Total		40	17

Appendix 6-17 : Closing Ceremony Reported by Local Media

- Broadcasting on City41 Faisalabad



Name of Newspapers who Publish Closing Ceremony Event

Newspaper Name	Publish date
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.