

[APPENDICES]

- 1. Member List of the Study Team**
- 2. Study Schedule**
- 3. List of Parties Concerned in the Recipient Country**
- 4. Minutes of Discussions of Implementation Review Study**
- 5. Minutes of Discussions of Implementation Review Study
Draft Report Explanation**
- 6. Minutes of Discussions of Basic Design Study**
- 7. Memorandum of Basic Design Study**
- 8. Minutes of Discussions of Draft Report Explanation**
- 9. Memorandum of Draft Report Explanation**
- 10. List of References / Documents Obtained**
- 11. List of Requested Equipments/Planned Equipments**

1. Member List of the Study Team

1-1 Implementation Review Study

	Position	Name		Organization
1	Leader	Mr. KOBAYASHI Hideya	July 23~July 28	Chief of Education and Vocational training Team, Project Management Group II, Grant Aid Management Department, JICA
2	Chief Consultant	Mr. KOIKE Hiroyuki	July 23~ August 6	Azusa Sekkei Co., Ltd
3	Construction Planner/Cost estimation	Mr. HOSHIAI Yoshifumi	July 23~ August 6	Azusa Sekkei Co., Ltd
4	ICT equipment Planner / Procurement / Cost estimation	Mr. TAJIMA Kaoru	July 23~ August 6	Azusa Sekkei Co., Ltd

1-2 Implementation Review Study Draft report explanation

	Position	Name		Organization
1	Leader	Mr. Nariaki Mikuni	October 22~ October 27	JICA Fiji Office
2	Chief Consultant	Mr. KOIKE Hiroyuki	October 22~ October 27	Azusa Sekkei Co., Ltd.
3	ICT Equipment Planner / Procurement / Cost estimation	Mr. TAJIMA Kaoru	October 22~ October 27	Azusa Sekkei Co., Ltd

2. Study schedule

2-1 Implementation Review Study

From 23 July 2007 to 6 August 2007 (15days)

1	7/23 Mon.	19:00	•Dep. Narita by FJ303
2	7/24 Tue.	06:45	•Nadi → Suva(by road)
		14:00 15:00 16:00	•Courtesy call to JICA •Courtesy call to EOJ •Courtesy call to USP
3	7/25 Wed.	09:00 11:00	•Scheduling following item •Investigating the USP related facilities
		14:00 15:30	•Courtesy call to MOE •Discussion (USP)
4	7/26 Thu.	09:00 11:00	•Confirmation of Contents of Facility and Equipment (USP) •Meeting with IT Services (USP)
		12:30 14:00 16:00	•Meeting with Dept. CS regarding of Curriculum (USP) •Meeting with Dept. Engineering regarding of Curriculum (USP) •Team meeting/Arranging documents
5	7/27 Fri.	09:00 10:00	•Minutes Meeting •Signing on the Minutes
		12:00 12:30 13:30 14:00	•Report to JICA •Report to EMB •Courtesy call to Minister of Education •Meeting with IT Services (USP)
6	7/28 Sat.		•Investigation on the procurement and cost estimation (Sub-contractors, material suppliers and etc.)
		16:00	•Team meeting/Arranging documents
			•Team meeting •Investigation of the procurement and cost estimation (Sub-contractors, material suppliers and etc.)

7	7/29 Sun.		•Arranging documents
8	7/30 Mon.	09:00 10:00 11:15 14:00-17:00	•Meeting with Dept. CS regarding of Curriculum (USP) •Meeting with Dept. Engineering regarding of Curriculum (USP) •Meeting with Register •Investigation of the procurement and cost estimation (Sub- contractors, material suppliers and etc.) •Arranging documents
9	7/31 Tue.	09:00 10:30 14:00 15:30-17:00	•Team meeting •Meeting with IT Services regarding of IT equipment (USP) •Meeting with Media Center Div. regarding of AV equipment (USP) •Investigation of procurement / ICT equipment •Investigation on the procurement and cost estimation (Sub-contractors, material suppliers and etc.)
10	8/1 Wed.	09:00 10:00 14:00 15:30	•Meeting with Director of Finance •Meeting with Media Center Div. regarding of AV equipment (USP) Visit Bureau of Statistics •Meeting with IT Services regarding of IT equipment (USP) Visit Ministry of Labor •Visit National Fire Authority
11	8/2 Thu.	10:00 11:00 14:30-17:00	•Visit Ministry of Environment •Investigation of the procurement and cost estimation •Visit sub- contractors •Investigating the IT firms
12	8/3 Fri.	10:00 11:30 14:00 14:30 15:30-17:00	•Visit agent of construction material •Investigating the USP Campus •Report to JICA •Report to EOJ •Visit sub- contractors
13	8/4 Sat.		•Investigating the IT firms •Investigating the construction materials •Team meeting/Arranging documents
14	8/5 Sun.		•Team meeting/Arranging documents •Suva→Nadi (by road)
15	8/6 Mon.	10:00-17:00	•Nadi→Tokyo

2-2 Draft report Explanation

From 22 October 2007 to 27 October 2007 (6days)

1	10/22 Mon.	19:00	•Dep. Narita by FJ303
2	10/23 Tue.	06:45 14:00 15:00 16:00	•Nadi → Suva (by road) •Courtesy call to JICA •Courtesy call to EOJ •Courtesy call to USP
3	10/24 Wed.	09:00 10:30 14:00 15:00 16:30	•Courtesy visit to USP Submit Draft Report to USP •Confirmation of Schedule •Meeting with Director of Finance (USP) •Meeting on IT Equipment with IT Services (USP) •Team meeting/Arranging documents
4	10/25 Thu.	09:00 10:00 11:30 14:00 16:30	•Meeting with IT Services Div. (USP) •Courtesy visit to Deputy Secretary, Ministry of Education •Meeting with Director, properties and facilities (USP) •Meeting with Dept. of CS (USP) •Meeting with Media Center (USP)
5	10/26 Fri.	09:00 10:00 12:00 14:00 16:00	•Signing of the Minutes at USP •Meeting with Media Center (USP) •Report to JICA •Report to EOJ •Move to Nadi
6	10/27 Mon.	10:50-17:00	•Nadi→Tokyo

3. List of Parties Concerned in the Recipient Country

Ministry of Education	
Mr. Hon. Netani Sukanaivalu	Minister
Mr. Ram Chandara	Deputy Secretary
University of South Pasific (USP)	
Dr. Esther Williams	Acting vice-chancellor
Dr. Eci Nabalarua	Acting vice-chancellor
Mr. Walter Fraser	Registrar
Mr. Sam Fonua	Consultant of VC's Office
Mr. Mark Lewis	Director of Planning and Development
Mr. Kevin Davis	Director of Finance
Mrs. Saane Pongi	Planning Officer
Ms. Leigh-Anne Buliruarua	Planning Officer
Mr. Jeremy Henderson	Director, properties and facilities
Dr. Jito Vanualailai	Head of School of Computing, Information and Mathematics, faculty of Science and Technology
Mr. Nitesh Nand	Senior lecturer in Computing Science
Prof. Godfrey Onwubolu	Head of School of Engineering, faculty of science and Technology
Mr. V. Ramachandran	Senior lecturer in Physics
Mr. Josese Ravuvu	Acting Director of ITS
Mr. Fedeti Atalifo	Manager, PR Development, ITS
Mr. Simon Greaves	Manager of System & Networking, ITS
Mr. Peni Sigabalavu	Manager of User Services, ITS
Mr. Raymond H Lee	Manager of ITS
Mr. Irish Lal	Media Centre, USPNet Engineer
Ms. Seini Wainikesa	Media Centre, USPNet and AV Engineer
Ms. Linda Austin	Media Centre, Resource co-ordinator
Embassy of Japan	
Mr. Masashi NAMEKAWA	Ambassador
Mr. Tatsushi MATSUO	First Secretary
Mr. Hiroshi WATANABE	Second Secretary
JICA Fiji Office	
Mr. TAKESHITA Teiji	Resident Representative
IKESHITA Tetsuhiro	Deputy Resident Representative
WAKASUGI Satoshi	Assistant Resident Representative
Suva City council	
Mr. Jagdish Singh	Director Engineering Services
Ms. Asenaca Nawaqalevu	City Planner
Fiji Island Bureau of Statistics	
Mr. Asikinasa Toga Raikoti	Acting Division Manager
Mr. Subra Mani	Acting Deputy Government Statistician
National Fire Authority	
Mr. JHON LOW	Chief Executive Officer
Mr. Mark Reid	Chief Fire Officer
Ministry of Environment	
Mr. Epeli Nasome	Director of Environment
Meteorological Office	
Mr. Asao Ali	Officer in charge Nausori Airport
Construction Company	
LOMAC Construction Co Limited	

Mr. Robin N Maginnity	Director
Downer Construction (Fiji) Ltd	
Mr. Ken Seward	Fiji Manager
J.S .Hill & Associates Ltd	
Mr. Vijay Raj Goundar	Chief Estimator /QS
COPE Construction LTD	
Mr. KITONE	Project Manager / Estimator
Mr. SATISH	Supervisor
Construction Material Company	
R.C. MANUBHAI & CO.LTD	
Mr. Jittendra M. Patel	Director
Mr. RAKESH LAL	Shop Manager
VINOD PATEL	
Mr. Govind Sami	Head of Department Furniture Division
Furniture Company	
Samabula furniture	
Mr. Rajan Swamy	Managing Director
Interioz (Fiji) Ltd	
Mr. Aiyub Aziz	Sales & Production Manager
Concrete Company	
Standard	
Mr. Sheik Alam	Sales Manager East
Metromix Concrete Company Ltd	
Mr. Atish Ram	Supply Manager Lami
Precast concrete Company	
HUME	
Mr. Mosese Natuilagilagi Waqavakatoga	General Manager
Mr. Aloesi Elder	Project Manager/ Maintenance Manager
Aluminum Window Company	
Viewtech	
Mr. Patrick Chang	Managing Director
Mr.Samuto Chang	General Manager
Security Services Compay	
MATRIX Risk Management Ltd	
Mr. Aklesh Kumar	Operation Manager
ADT	
Mr. Ajay Ram	IT coordinator
Mr. Francis Chand	Contracts Officer
Real estate company	
Raine & Home	
Mr. Ajeet Kumar	Senior Administrator/Rental Consultant
Jokham Ralators	
Mr. Reginald Jokham	

4. Minutes of Discussions of Implementation Review Study

**MINUTES OF DISCUSSIONS
ON THE IMPLEMENTATION REVIEW STUDY
ON THE PROJECT FOR THE CONSTRUCTION OF THE UNIVERSITY OF THE
SOUTH PACIFIC INFORMATION AND COMMUNICATION TECHNOLOGY CENTRE
IN THE REPUBLIC OF FIJI ISLANDS**


In response to a request from the Government of the Republic of Fiji Islands (hereinafter referred to as "Fiji"), the Government of Japan decided to conduct an Implementation Review Study on the Project for the Construction of the University of the South Pacific Information and Communication Technology Centre (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to Fiji the Implementation Review Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Hideya Kobayashi, Chief, Education and Vocational Training Team, Project Management Group II, Grant Aid Management Department of JICA, and is scheduled to stay in the country from July 24th to 28th, 2007.

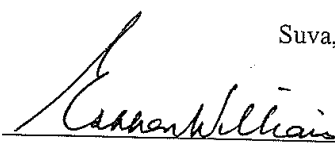
The Team held discussions with the officials concerned of the Government of Fiji and the University of the South Pacific and conducted a field survey at the study area.

In the course of discussions and field survey, both parties confirmed the main items described on the attached sheets. The Team will proceed to further works and prepare the Implementation Review Study Report.

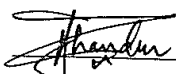
Suva, July 27th, 2007



Mr. Hideya Kobayashi
Leader
Implementation Review Study Team
Japan International Cooperation Agency



Dr. Esther Williams
Acting Vice-Chancellor
University of the South Pacific



Mr. Ram Chandar
Deputy Secretary Professional
Ministry of Education
Republic of Fiji Islands

ATTACHMENT

1. Objective of the Project

The objective of the Project is to strengthen the capacity of the University of the South Pacific (USP) to deliver quality ICT education, training and related research and development, to more Pacific Islanders through establishment of the Information and Communication Technology Centre (hereinafter referred as "the ICT Centre").

2. Project sites

The site of the Project is at the Laucala Campus of USP as shown in Annex-1.

3. Responsible and Implementing Organization

3-1. The responsible Organization is the Ministry of Education.

3-2. The implementing Organization is USP.

The current Organization chart of USP (with the proposed ICT Centre) is attached as Annex2-1

The Organization chart of project development for the ICT Centre is attached as Annex2-2

The Organization chart of the ICT Centre is attached as Annex2-3

4. Items requested by the Government of Fiji

After discussions with the Team, the items described in Annex-3 were finally requested by Fiji side. JICA will assess the appropriateness of the request and will recommend to the Government of Japan for approval.

4-1. Construction of the Buildings and Facilities

Details of items are listed in Annex-3-1

4-2. Procurement of the Equipment

Details of items are listed in Annex-3-2

5. Japan's Grant Aid Scheme

Fiji side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Fiji as explained by the Team and described in Annex-4 and Annex-5.

6. Schedule of the Study

6-1. The consultants will proceed to further studies in Fiji until August 6th, 2007.

6-2. JICA will prepare the draft report in English and dispatch a mission in order to explain its contents around the end of October 2007.

6-3. Upon acceptance of the report in principle by the Government of Fiji and USP, JICA will complete the final report and send it to the Government of Fiji by around December 2007.

7. Other relevant issues

7-1. Naming of the ICT Centre

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Both sides agreed in principle that the ICT Centre would be named as "Japan-Pacific ICT Centre" for a better cooperation between the Pacific region and Japan.

7-2. Curricula at the ICT Centre planned by Fiji side

In the series of discussions USP explained the curricula, including education, training and related research and development programs, at the ICT Centre. The consultants will confirm the further details of the curricula, and then JICA will assess the appropriateness of the curricula for the achievement of the project objective and confirm the consistency between the curricula and the requested items.

7-3. Procurement of the application software

The Team explained that it is difficult to procure application software which USP wanted because particular software could not be designed in tender. USP recognized and agreed to procure the application software needed for the Project by USP, except for the operating system.

7-4. Operation and maintenance

USP agreed to allocate necessary budget and sufficient number of teaching, technical and administration staff for the proper operation and maintenance of facilities and equipment procured by the Project.

7-5. Necessities of Technical Cooperation

For the sake of the technology transfer on sustainable management of the ICT Centre, the Fiji side pointed out the need for dispatch of Japanese experts as well as technical training of counterpart personnel in Japan.

7-6. Project plans at the ICT Centre financed by any other donors

The Team requested the Fiji side to provide the project plans at the ICT Centre financed by any other donors. The Fiji side promised to submit the report to the Team by the 1st of August 2007.

Annex-1: Location map of the Project

Annex-2: Organization chart of USP


Annex-3: Items requested by the Government of Fiji

Annex-4: The Japan's Grant Aid Scheme

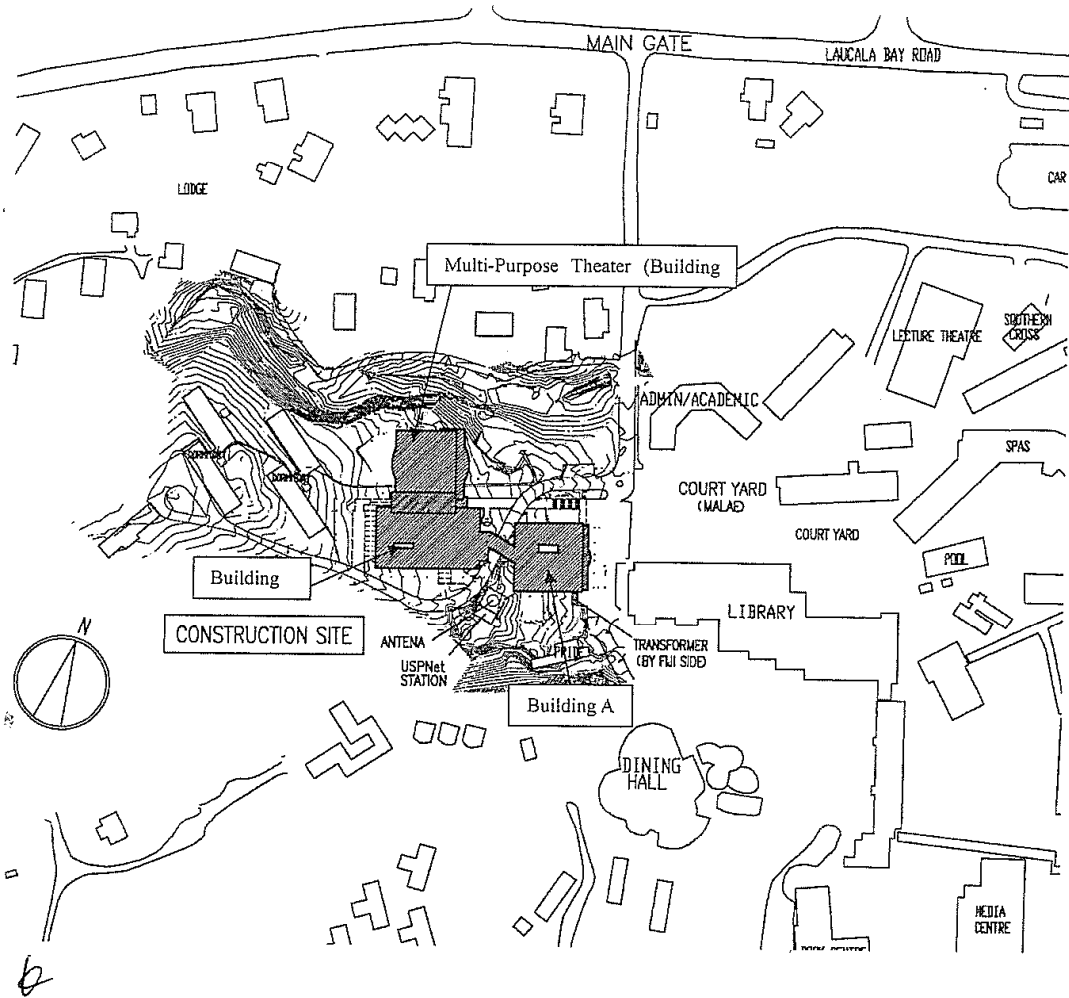
Annex-5: Necessary undertakings to be taken by each government

Annex-6: Curricula at the ICT Centre planned by Fiji side

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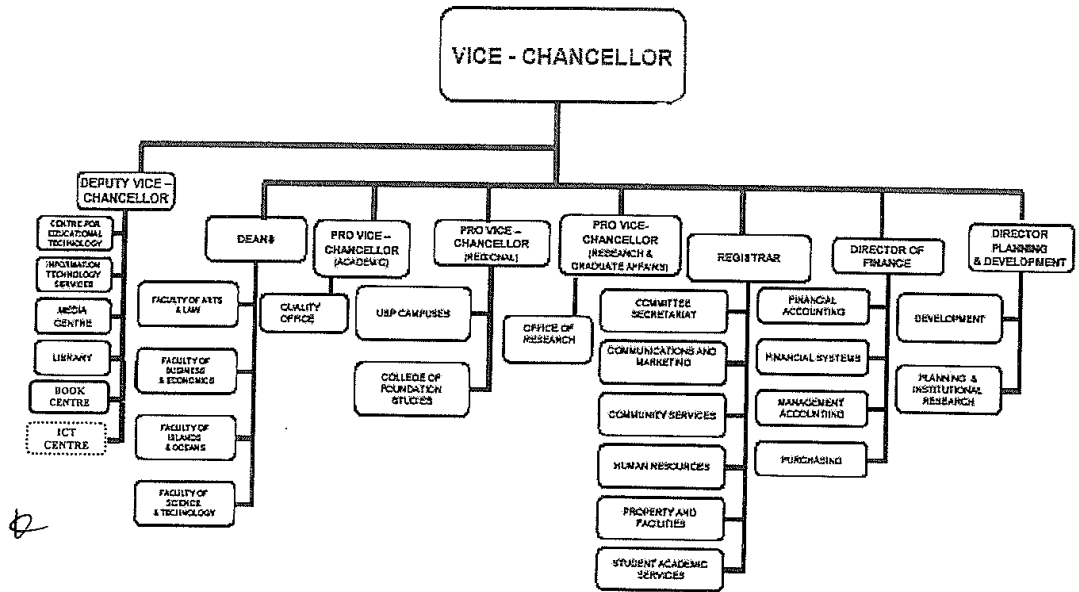
Annex-1 Location Map of the Project and Layout Plan



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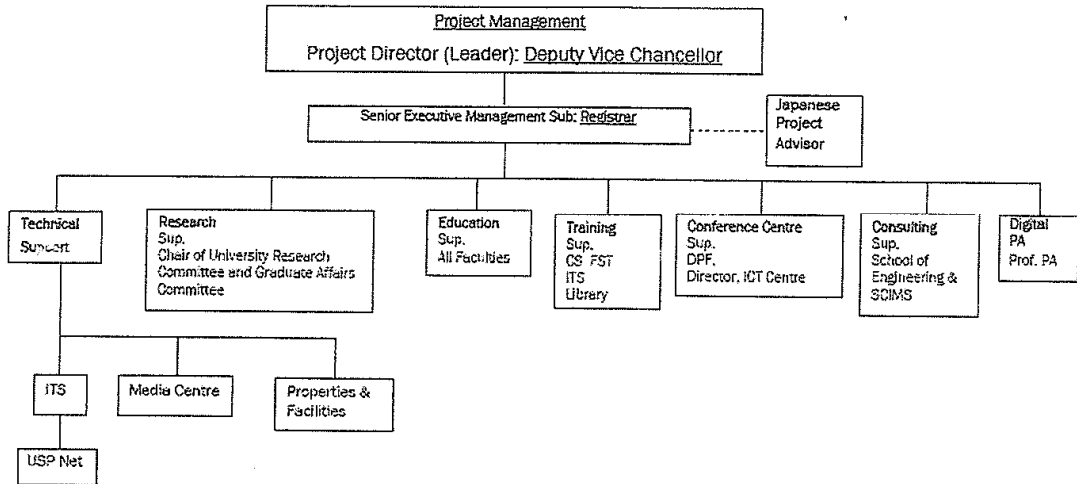
Annex 2.1 – The Current Organization Chart of USP (with the proposed ICT Centre)

USP ORGANISATION STRUCTURE



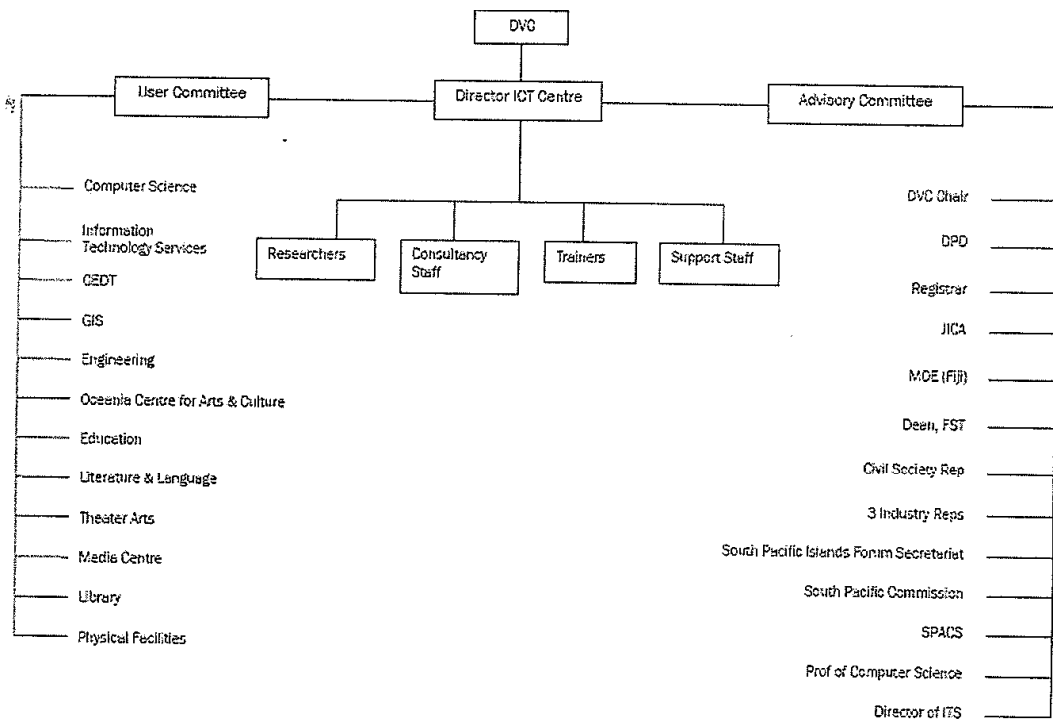
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Annex 2.2 – Organization of Project Development for the ICT Centre.



ITS – Information Technology Services, FST – Faculty of Science and Technology, CS – Computer Science, DPF – Director, Physical Facilities, PA – Performing Arts, SCIMS – School of Computing, Information and Mathematical Sciences

Annex 2.3 – Organization Chart of the ICT Centre



DVC – Deputy Vice-Chancellor, CEDT – Centre for Education Development and Technology, GIS – Geographical Information Systems, DPD – Director of Planning and Development, JICA – Japanese International Cooperation Agency, MOE – Ministry of Education, SPACS – South Pacific Computing Society.

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Annex-3: Items requested by the Government of Fiji (Buildings and Facilities)

3-1 Facility Volume

(m ²)	Area by floor	Building A	Connect ion bridge	Building B	Multi-purpose Lecture Theatre		Remarks
					Foyer	Multi-purpose Lecture Theatre	
Building roof	36	18		18		104	Rooftop elevator machine room etc.
Fourth Floor	2,059	774	59	1,122		445	
Third Floor	2,059	774	59	1,102	129	450	
Second Floor	1,752	733		450	119		
First Floor	303	303				999	
Sub Total							
Total	6,659	2,602	118	2,692		1,247	

3-2 Planned Rooms and Area

Name of department	Building	Floor	Name of room	Planned area			Nbr of users		Remarks (USP Facility Standard)
				Number of rooms	Area	Total	Student	Staff	
Common Area (COMM)	T	2,3	Multi-purpose Lecture Theater	1	869.0	869.0	300		2.0m ² /person
			Lecture Hall	0		0.0			
	A	3	Office- Director ICT	1	22.0	22.0		1	24m ² /person
	A	3	Office- Core Staff	3	12.0	36.0		3	12m ² /person
			Office- Senior Staff	0		0.0			
	A	3	Reception/Secretary	1	24.0	24.0		2	12m ² /person
	A	3	Visiting Staff Office	3	12.0	36.0		3	12m ² /person
			Lecture Room	0		0.0			
	B	3	Video conference Room	1	120.0	120.0	50		2.5m ² /person
			Green Room	0		0.0			2.0m ² /person
	B	3	Conference Room (50 Parson)	1	90.0	90.0			2.0m ² /person
			Interaction Room	0		0.0			
	A	3,4	Common Room for Staff	2	24.0	48.0			
	A	2	ICT-Resource Room	1	24.0	24.0			Combined use
	B	2	Radio Pasifik' Room	1	120.0	120.0	17		
			COMM Sub Total			1389.0	367	9	
Computer Course (CS)	A,B	2,3,4	Academic Staff Office	18	12.0	216.0		18	12m ² /person
	B	4	Technical Staff Office	1	24.0	24.0		2	12m ² /person
	A	4	Administrative Staff Office	1	24.0	24.0		2	12m ² /person
	A	2,3	Tutor Office	8	12.0	96.0		16	6m ² /person
	A	4	Research Laboratory	5	30.0	157.0	5 each		6m ² /person
	B	3	Dedicated Networking Teaching Laboratory	1	120.0	120.0	40		3.0m ² /person
			General Access Laboratory			0.0			
	B	4	Dedicated Computer Teaching Laboratory	4	120.0	480.0	160		3.0m ² /person
	B	3	Postgraduate Laboratory	1	60.0	60.0	24		3.0m ² /person
			Seminar Room			0.0			
	B	4	Technical Laboratory/Workshop	1	21.0	21.0		2	
			Small Server Room			0.0			
		CS Sub Total			1198.0	249	40		

IT Services (ITS)	A	2	Office- Director ITS	1	24.0	24.0		1
	A	2	Office- Secretary	1	12.0	12.0		1
	A	2	General Office	1	126.0	126.0		20 6m/person
	A	2	Meeting Room	1	24.0	24.0		
	A	4	Laboratory A (Professional & Development Laboratory)	2	75.0	150.0	50	3.0m/person
	A	3	Laboratory B (General Access Laboratory)	2	162.0	324.0	120	3.0m/person
			Laboratory C (R&D)			0.0		
			Telephony Workshop			0.0		
	A	2	Computer Workshop	1	35.0	35.0		2
			Communication Workshop			0.0		
	A	2	Server Room	1	54.0	54.0		
	A	2	Storage (Equipment Warehouse)	1	36.0	36.0		
	A	1	Help Desk & Waiting Area	1	72.0	72.0		3
			Hub Earth Station Staff Room			0.0		
	B	3	USPNet Control Room	1	180.0	180.0		
		ITS Sub Total			1037.0	170	27	
Research and Development Department (RD)	B	2	Office- Research/Incubator	3	12.0	36.0		12m/person
	B	2	Test Bed/Incubation	1	120.0	120.0		12m/person
			Test Bed -2/Incubation					
		RD Sub Total			156.0			
Department of Engineering (ENG)	B	3	Office- Engineering	1	24.0	24.0		1 24m/person
	B	3	Technical Staff Office	1	12.0	12.0		2 9.0m/person
	B	3	Postgraduate Room	1	12.0	12.0	4	3.0m/person
	B	3	Computer Laboratory	1	51.0	36.0	12	3.0m/person
	B	3	Information and communication Engineering Laboratory	1	196.0	196.0	30	8.3m/person
			Engineering Laboratory-2			0.0		8.3m/person
			Engineering Laboratory-3			0.0		
	B	3	Storage/Research	1	30.0	30.0		
		Storage/Research-2			0.0			
		ENG Sub Total			310.0	46	3	
Geographic Information Course (GIS)			Office- Director					30m/person
			Office- Lecturers & Officers					15m/person
			Postgraduate Room					5.0m/person
			Geospatial Science Computer Learning Space					4.5m/person
			Geospatial Database Server Simulation Lab					
			10 Seat Research Laboratory					6.0m/PC
			Equipment Room					
			Data Warehouse					
		GIS Sub Total			0.0			
Other Common area			Shared toilet and corridor			4090.0		
			Machine Room			1985.0		
			Total Floor Area			217.0		
			Foyer			126.0		
		Total			6659.0			

3-3 Stage Settings Specifications

No	Name	Intended use	Stage Settings Specifications	Construction category
1	Traveler / House draw curtain (gold background)	Used to open and close the stage (lectures will be presented with the stage left closed)	22 m wide, approximately 7.5 m high, gold background, electrical motor-driven type	Included in the scope of this project
2	Traveler / House draw curtain (black background)	Used to open and close the stage (and as a scene-change curtain for dramas)	22 m wide, approximately 7.5 m high, black background, electrical motor-driven type	To be constructed separately from this project
3	Borders / Teasers	Curtains hung from the upper part of the stage to cover the stage flyings from the sight of the audience.	22 m wide, approximately 1.5 high, black background, hand-driven type	Included in the scope of this project
4	Side Legs / Curtains at the wings	Curtains hung from the right and the left sides of the stage to cover broadcasters and tools on the stage from the sight of the audience.	3 m wide, approximately 8 high, black background, hand-driven type	Included in the scope of this project
5	Suspension light	Hung from the pipe batten, chiefly to provide lighting effects on the stage.	650W Fresnel lens spotlight, hand-driven type	To be constructed separately from this project (only installation of three pipe battens will be

				included in the scope of this project)
6	Border light	Equipped directly behind the teasers to illuminate the stage.	200W nine-light halogen lamp, hand-driven type	To be constructed separately from this project (Three batten included.)
7	Draw curtain	Used to switch stage scenes.	20 m wide, approximately 6.5 m high, black background, electrical motor-driven type	To be constructed separately from this project
8	Projection screen	A curtain on which an images are projected during lectures.	300-inch white background curtain exclusively for image projection, electrical motor-driven type	Included in the scope of this project
9	Cyclorama	A lighting effect curtain fixed at the innermost section of the stage to project images such as backgrounds	20 m wide, approximately 6.5 m high, white background, electrical motor-driven type	Included in the scope of this project
10	Horizon light	A light to illuminate the cyclorama	200W nine-light halogen lamp, hand-driven type	To be constructed separately from this project
11	Ceiling light	Lighting effect equipment illuminating the stage from the upper part of the audience	1KW plane-convex lens spotlight	Included in the scope of this project
12	Gridiron	A work platform to hang curtains, lightings, and so on over the stage	Pulleys and cables will be placed on H-section steels arranged in the shape of lattice	Included in the scope of this project

Note: The above mentioned stage system will include pipe battens, cables, pulleys, and up-and-down/opening/closing mechanism for hanging stage settings.

3-4 Planned Equipment

Code No.	Description	Q'ty
COM-1	LCD Projector (L)	1 unit
COM-2	LCD Projector (S) /w Screen	2 units
COM-5-1	PC (Desktop type)	1 unit
COM-5-2	Desk & Chair for PC	1 set
COM-5-3	PC (Laptop type)	3 units
COM-11	OHC	3 units
COM-13	DVD Player	1 unit
COM-14	VCR	2 units
COM-15	White Board	3 units
COM-16	TV	1 unit
COM-20	Remote Camera (w/Control System)	1 set
COM-26	Audio Speaker	2 sets
COM-100	Audio Control System for Multipurpose Lecture Theater	1 set
COM-101	Video Control System for Multipurpose Lecture Theater	1 set
COM-102	A/V Control System for Video Conference Room	1 set
COM-104	A/V Control System for Conference Room	1 set
CSC-1	Server w/Rack	1 set
CSC-4	Switching HUB	1 set
CSC-6	Patch Panel	1 set
CSC-10	Ethernet Card	40 pcs
CSC-15-1	PC (Desktop type)	150 units
CSC-15-2	Desk & Chair for PC	150 sets
CSC-16	Embedded System Board	4 sets
CSC-17	Oscilloscope	2 units

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CSC-24	Printer	2 units
ITS-1	Server (High Level)	6 units
ITS-3	Server (General Level)	14 units
ITS-4	Tape Backup Archive	1 unit
ITS-6	Switching HUB	1 set
ITS-7	UPS	1 set
ITS-15-1	PC (Desktop type)	120 units
ITS-15-2	Desk & Chair for PC	120 sets
ITS-20	Printer	2 units
ITS-22	LCD Projector (S) /w Screen	2 sets
ITS-30	Equipment Rack	1 set
ITS-32-1	PC (Desktop type for Scheduler)	1 unit
ITS-32-2	Desk & Chair for PC	1 set
ITS-33	Work Bench w/Chair	1 set
ITS-35	VCR/CD-DVD Combo Recorder	2 units
ITS-60	A/V System for USPNet Control Room	1 set
ENG-5	Analog Communications	1 set
ENG-6	Analog Communications Training System	1 set
ENG-7	Fiber Optic Communications	1 set
ENG-8	Antenna Training and Measuring System	1 set
ENG-9	Microwave Technology Training System	1 set
ENG-11	Digital Communications 1	1 set
ENG-12	Digital Communications 2	1 set
ENG-13	Digital Communications Training System	1 set
ENG-17	Oscilloscope	10 units
ENG-18	Power Supply	10 units
ENG-19	Signal Generator	10 units
ENG-20	Multimeter	10 units
ENG-21	Soldering Station	10 sets
ENG-22	Tool kits	10 sets
ENG-29	Bread Board Set	10 sets
ENG-33-1	PC (Desktop type)	15 units
ENG-33-2	Desk & Chair for PC	15 sets
ENG-34	Server w/Rack	1 set
ENG-45	Lab. Table w/Chair	10 sets
ENG-46	LCD Projector (S) /w Screen	2 sets
ADD-1	Microfilm/Microfiche Scanner	1 unit
ADD-2	Flat-bed Scanner	1 unit

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Annex-4: The Japan's Grant Aid Scheme

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedure

1) Japan's Grant Aid Program is executed through the following procedures.

- Application (Request made by a recipient country)
- Study (Basic Design Study conducted by JICA)
- Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)
- Determination of Implementation
(The Notes exchanged between the Governments of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request. If necessary, JICA send a Preliminary Study Team to the recipient country to confirm the contents of the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms.

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

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- a) confirmation of the background, objectives and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation;
- b) evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view;
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project;
- d) preparation of a basic design of the Project; and
- e) estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the Organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant Organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participates the Study and prepares a report based upon the terms of reference set by JICA.

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design as well as to avoid any undue delay caused by the selection of a new consulting firm.

3. Japan's Grant Aid Scheme

1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

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2) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

3) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

4) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

5) Undertakings required to the Government of the recipient country

a) to secure a lot of land necessary for the construction of the Project and to clear the site;

b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site;

c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;

d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts;

e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for

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their entry into the recipient country and stay therein for the performance of their work;

f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Project; and

g) to bear all the expenses, other than those covered by the Grant Aid, necessary for the Project.

6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid.

7) "Re-export"

The products purchased under the Grant Aid shall not be re-exported from the recipient country.

8) Banking Arrangement (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts.

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of recipient country or its designated authority.

9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commission to the Bank.

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Annex-5: Necessary undertakings to be taken by each government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site		•
4	To construct the parking lot	•	
5	To construct roads		
	1) Within the site	•	
	2) Outside the site		•
6	To construct the building	•	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1)Electricity		
	a. The distributing line to the site		•
	b. The drop wiring and internal wiring within the site	•	
	c. The main circuit breaker and transformer	•	
	2)Water Supply		
	a. The city water distribution main to the site		•
	b. The supply system within the site (receiving and/or elevated tanks)	•	
	3)Drainage		
	a. The city drainage main (for storm, sewer and others) to the site		•
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	•	
	4)Gas Supply		
	a. The city gas main to the site		•
	b. The gas supply system within the site	•	
	5)Telephone System		
	a. The telephone trunk line to the main distribution frame / panel (MDF) of the building		•
	b. The MDF and the extension after the frame / panel	•	
	6)Furniture and Equipment		
	a. General furniture		•
	b. Project equipment	•	
8	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		•
	2) Payment commission		•
9	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
	1) Marine(Air) transportation of the products from Japan to the recipient country	•	
	2) Tax exemption and customs clearance of the products at the port of disembarkation		•
	3) Internal transportation from the port of disembarkation to the project site	(•)	(•)

6.

10	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		•
11	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contract		•
12	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		•
13	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for construction of the facilities as well as for the transportation and installation of the equipment		•

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Annex 6 - Curricula at the ICT Centre planned by Fiji side

Curriculum (Computer Science: Information System Majors 2007 -)

			1st Semester				2nd Semester					
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total		
Sem. I	CS111	Introduction to Computing Science	3	1	F (G)	20						
	MA111	Calculus I	3	1	-							
	ST102	Probability & Statistics	3	1	-							
	IS121	Information Systems I										
	LL114	English	3	1	-							
	-	Minor Course	3	1	-							
Sem. II	CS112	Data Structures and Algorithms				20						
	MA112	Calculus II								3	1	F (G)
	MA161	Discrete Mathematics								3	1	-
	UU104	Introduction to Pacific Studies								3	1	-
	-	Minor Course								3	1	-
Sem. III	CS215	Data Communications	3	1	F (N)	16						
	CS222	Database Management System (for Computer Science)	3	1	F (S)							
	CS240	Software Engineering I	3	1	F (G)							
	-	Minor Course	3	1	-							
Sem. IV	CS211	Computer Organization				16						
	CS214	Design and Analysis of Algorithms								3	1	F (G)
	CS2xx	Software Engineering II								3	1	F (G)
	-	Minor Course								3	1	-
Sem. V	CS311	Operating Systems	3	1	F (S)	12						
	-	Two from following Electives	6	2	F (G/S)							
	Elective											
	CS318	Artificial Intelligence	3	1	F (G)							
	CS3xx	Multimedia System	3	1	F (S)							
	CS3xx	Digital Image Processing	3	1	F (S)							
	CS391	Topics in Computer Science	3	1	F (G)							
-	Good Governance	3	1	-								
Sem. VI	CS312	Computer Networks				12						
	-	Two from following Electives								3	1	F (N)
	Elective			6	2	F (S/G/N)						
	IS332	Advanced Web Application Developments and Networks				3	1	F(S)				
	CS316	Principles of Programming Languages				3	1	F(G)				
	CS3xx	Theory & Practice of Compilers				3	1	F(G)				
	CS3xx	Human Computer Interaction				3	1	F(G)				
	CS317	Computer and Network Security				3	1	F(N)				
	IS314	Computer Project				3	1	F(G)				
	CS392	Topics in Computer Science				3	1	F(S)				
Total			51	17	-	48	57	19	48			

Curriculum (Computer Science : Information System Majors 2007 -)

			1st Semester				2nd Semester			
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total
Sem. I	IS121	Information Systems I	3	1	F (G)	12				
	LL114	English	3	1	-					
	-	Minor Course	3	1	-					
Sem. II	IS122	Information System II					3	1	F (G)	12
	UU104	Introduction to Pacific Studies					3	1	-	
	-	Minor Course					3	1	-	
Sem. III	IS221	Distributed Information System Theory and Application	3	1	F (S)	12				
	IS222	Database Management System (for Information System)	3	1	F (S)					
	-	Minor Course	3	1	-					
Sem. IV	IS224	Advanced Database Systems					3	1	F (S)	8
	-	Minor Course					3	1	-	
Sem. V	IS323	Information Systems Analysis & Design	3	1	F (G)	12				
	IS328	Data Mining	3	1	F (S)					
	-	Good Governance	3	1	-					
Sem. VI	IS332	Advanced Distributed System & Information Systems Networking					3	1	F (S)	8
	IS333	Project Management					3	1	F (S)	
Total			27	9	-	36	21	7	28	

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Curriculum (Electrical/Electronics 2008 -)

			1st Sem.				2nd Sem.			
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total
Sem. I	PH102	Classical Physics	1	3	3 (O)	24				
	MM101	Engineering Graphics	1	3	3 (P)					
	LL114	English for Academic Purposes	1	4	-					
	MA111	Calculus I & Linear Algebra I	1	4	-					
Sem. II	EE102	Electrical & Electronics Tech					1	3	3 (NL)	26
	MM103	Engineering Mechanics					1	3	3 (O)	
	CS102	Computing for Science & Tech.					1	3	3 (P)	
	MA112	Calculus II					1	4	-	
Sem. III	MA211	Advanced Calculus	1	4	-	23				
	EE211	Electrical Machines	1	3	3 (NR)					
	EE212	Analog Electronics	1	3	3 (NR)					
	CS211	Computer Organization	1	3	3 (NC)					
Sem. IV	MA272	Engineering Mathematics IV					1	4	-	26
	EE221	Power System Analysis					1	3	3 (P)	
	EE222	Digital Electronics					1	3	3 (NR)	
	EE223	Power Electronics & Drives					1	3	3 (NR)	
Sem. V	EE302	Electrical Comm & Inst	1	3	3 (NR)	28				
	EE312	Control System Engineering	1	3	3 (NL)					
	EE313	Microprocessor Applications	1	3	3 (NR)					
	EE314	Electrical Systems Design-Bld Serv	1	3	3 (NL)					
Sem. VI	EE300	Engineering Project					1	3	3 (N/O)	26
	EE323	Digital Control Systems					1	3	3 (O)	
	EE301	Energy Supplies					1	3	3 (NC)	
	MG306	Management for Technology					1	4	-	
Total			12	39	24 (18)	75	12	39	27 (15)	78

(O) : Existing Laboratory

(P) : PC Laboratory

(NR) : New (Electronic) Laboratory

(NL) : New (Electric) Laboratory

(NC) : New (Communication) Laboratory

(NM) : New (Mechatronics) Laboratory

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Curriculum (Communications 2010 -)

			1st Sem.				2nd Sem.			
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total
Sem. I	EN106	Engineering Mechanics	1	3	3 (O)	24				
	EN102	Engineering Graphics	1	3	3 (P)					
	LL114	English for Academic Purpose	1	4	-					
	MA1xx	Mathematics I	1	4	-					
Sem. II	EN221	Electrical Engineering Science					1	3	3 (NL)	26
	EN1xx	Material Science					1	3	3 (O)	
	CS102	Computing for Science & Eng					1	3	3 (P)	
	MA1xx	Mathematics II					1	4	-	
Sem. III	MA2xx	Mathematics III	1	4	-	24				
	UU104	Pacific Studies	1	4	-					
	EN2xx	Circuits & Systems	1	3	3 (NR)					
	EN2xx	Fundamentals of Communication Eng	1	3	3 (NC)					
Sem. IV	MA2xx	Mathematics IV					1	4	-	26
	CS211	Computer Org					1	3	3 (P)	
	CS2xx	Data Communication					1	3	3 (P)	
	EN2xx	Signals and Systems					1	3	3 (P/NR)	
Sem. V	EN3xx	Microprocessor Applications	1	3	3 (NR)	28				
	CS3xx	Internet Computing	1	3	3 (P)					
	EN3xx	Analog Electronics	1	3	3 (NR)					
	CS3xx	Network Security	1	3	3 (P)					
Sem. VI	EN3xx	RF & Photonics					1	3	3 (P/NR)	26
	CS3xx	Multimedia Communication					1	3	3 (P)	
	EN3xx	Teletraffic					1	3	3 (P)	
	-	Ethics & Governance					1	4	-	
Sem. VII	EN4xx	Engineering Project I	-	-	3 (P/NC)	24				
	EN4xx	Digital Signal Processing	1	3	3 (P/NR)					
	EN4xx	Satellite Com	1	3	3 (P/NC)					
	-	Elective (any 1 from I/II)	1	3	3 (P/N)					
Sem. VIII	EN4xx	Eng Project II					-	-	3 (P/NC)	22
	EN4xx	Wireless Com					1	3	3 (P/NC)	
	EN4xx	Eng Business Studies					1	4	-	
	-	Elective (any 1 from I/II)					1	3	3 (P/N)	
Total			15	49	36 (24)	100	15	49	36 (18)	100

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Cont'd

			1st Sem.				2nd Sem.			
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total
Electives I	EN4xx	Microwave Circuit Design	1	3	3 (P/NC)		1	3	3 (P/NC)	
	EN4xx	Advanced DSP	1	3	3 (P/NR)		1	3	3 (P/NR)	
	EN4xx	Control Theory	1	3	3 (P/NL)		1	3	3 (P/NL)	
Elective II	EN4xx	Embedded Systems	1	3	3 (P/NR)		1	3	3 (P/NR)	
	EN4xx	Communication Networks	1	3	3 (P/NC)		1	3	3 (P/NC)	
	EN4xx	Microprocessor Based Systems	1	3	3 (P/NR)		1	3	3 (P/NR)	

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(NC) : New (Communication) Laboratory
(NM) : New (Mechatronics) Laboratory

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M. S.

Curriculum (Mechatronics 2010 -)

			1st Sem.				2nd Sem.			
			Lec.	Tut.	Lab.	Total	Lec.	Tut.	Lab.	Total
Sem. I	EN106	Engineering Mechanics	1	3	3 (O)	24				
	EN102	Engineering Graphics	1	3	3 (P)					
	LL114	English for Academic Purpose	1	4	-					
	MA1xx	Mathematics I	1	4	-					
Sem. II	EN221	Electrical Engineering Science					1	3	3 (NL)	26
	EN1xx	Material Science					1	3	3 (O)	
	CS102	Computing for Science & Eng					1	3	3 (P)	
	MA1xx	Mathematics II					1	4	-	
Sem. III	MA2xx	Mathematics III	1	4	-	24				
	UU104	Pacific Studies	1	4	-					
	EN2xx	Circuits & Systems	1	3	3 (NR)					
	EN2xx	Fundamentals of Communication Eng	1	3	3 (NC)					
Sem. IV	MA2xx	Mathematics IV					1	4	-	26
	CS211	Computer Org					1	3	3 (P)	
	CS2xx	Data Communication					1	3	3 (P)	
	EN2xx	Signals and Systems					1	3	3 (P/NR)	
Sem. V	EN3xx	Microprocessor Applications	1	3	3 (NR)	28				
	CS3xx	Internet Computing	1	3	3 (P)					
	EN3xx	Analog Electronics	1	3	3 (NR)					
	CS3xx	Network Security	1	3	3 (P)					
Sem. VI	EN3xx	RF & Photonics					1	3	3 (P/NR)	26
	CS3xx	Multimedia Communication					1	3	3 (P)	
	EN3xx	Teletraffic					1	3	3 (P)	
	-	Ethics & Governance					1	4	-	
Sem. VII	EN4xx	Engineering Project I	-	-	3 (P/NC)	24				
	EN4xx	Digital Signal Processing	1	3	3 (P/NR)					
	EN4xx	Satellite Com	1	3	3 (P/NC)					
	-	Elective (any 1 from I/II)	1	3	3 (P/N)					
Sem. VIII	EN4xx	Eng Project II					-	-	3 (P/NC)	22
	EN4xx	Wireless Com					1	3	3 (P/NC)	
	EN4xx	Eng Business Studies					1	4	-	
	-	Elective (any 1 from I/II)					1	3	3 (P/N)	
Total			15	49	36 (24)	100	15	49	36 (18)	100

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Cont'd

			1st Sem.				2nd Sem.					
			Lec.	Tut.	Lab.		Total	Lec.	Tut.	Lab.		Total
Electives I	EN4xx	Systems Modeling	1	3	3	(NM)		1	3	3	(NM)	
	EN4xx	Robot & Computational Mechanics	1	3	3	(NM)		1	3	3	(NM)	
Elective II	EN4xx	Process Control Systems	1	3	3	(NM)		1	3	3	(NM)	
	EN4xx	Industrial Automation	1	3	3	(NM)		1	3	3	(NM)	

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(NM) : New (Mechatronics) Laboratory

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5. Minutes of Discussions of Implementation Review Study Draft Report Explanation

MINUTES OF DISCUSSIONS
ON THE IMPLEMENTATION REVIEW STUDY
ON THE PROJECT FOR CONSTRUCTION OF INFORMATION AND COMMUNICATION
TECHNOLOGY CENTER AT THE UNIVERSITY OF THE SOUTH PACIFIC

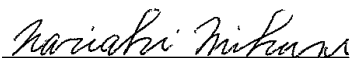
(EXPLANATION ON DRAFT REPORT)

In July 2007, the Japan International Cooperation Agency (Hereinafter referred to as "JICA") dispatched a Implementation Review Study Team on the Project for Construction of Information and Communication Technology Center at the University of the South Pacific (hereinafter referred to as "the Project") to the Government of the Republic of Fiji Islands (hereinafter referred to as "Fiji"), and through discussion, field survey, and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult with the Government of Fiji on the components of the draft report, JICA sent to Fiji the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Nariaki Mikuni, Deputy Resident Representative of JICA Fiji Office and is scheduled to stay in the country from 22nd Oct 2007 to 27th Oct 2007.

As a result of discussions, both parties confirmed the main items described on the attached sheets.

Suva, 26th Oct 2007



Mr. Nariaki Mikuni
Leader
Basic Design Study Team
Japan International Cooperation Agency



Dr. Eci Nabalarua
Acting Vice-Chancellor
University of the South Pacific



Mr. Ram Chandar
Deputy Secretary Professional
Ministry of Education
Republic of Fiji Islands

ATTACHMENT

1. Components of the Draft Report

The Government of Fiji agreed and accepted in principle the components of the draft report explained by the Team and described in the Minutes of Discussions signed by all parties on 27th July 2007.

- (1) The facilities are listed in Annex -1
- (2) The equipment is listed in Annex-2

2. Japan's Grant Aid Scheme

Fiji side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Fiji as Explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by all parties on 27th July 2007.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed item and send it to the Government of Fiji by December 2007.

4. Other relevant issues

4-1. The items or works to be borne by USP

Fiji side understands the items or works to be borne by USP based on the Basic Design Report dated January 2006.

4-1-1 To demolish existing buildings

There are some existing buildings on the Project sites. USP agreed to demolish the existing buildings prior to the commencement the Project.

4-1-2 To clear, and reclaim the site

There are some facilities and trees in the Project site. USP agreed to clear and reclaim (if necessary), the site prior to the commencement the Project.

4-1-3 To move the power receiving station

There is an existing power receiving and generator station in the Project site. USP agreed to move the existing station to a suitable place on the Project site and to relocate it cover the demand for the Project.

4-1-4 To move the water tanks and containers.

There are an existing water tanks and containers in the Project site. USP agreed to move them to a suitable place out of the Project site.

4-1-5 Exterior construction (Landscape, Planting and Parking lot)

USP agreed to suitably landscape the project site and to construct the parking lot for the Project.

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4-1-6 Equipment

USP agreed to provide the equipment requested but not included in the Project.

4-1-7 Furniture

USP agreed to provide the general furniture and the special furniture requested but not included in the Project.

4-1-8 Theatre equipment

There is special theatre equipment to be designed for the Multi-Purpose Theatre. Both sides agreed that Japanese side would include the equipment necessary for lectures. USP side agreed to provide the equipment for multi-purpose uses (like theatre and international conference facilities).

4-1-9 Network cabling in the Project

Both sides agreed that Japanese side would set up cabling channels and USP would install computer and audio-visual network cabling in the Project.

4-1-10 Telephone work

Both sides agreed that Japanese side would include the telephone piping work and USP would provide telephones, cabling and connecting works.

4-1-11 Existing equipment and furniture for the Project

USP agreed to move and set up necessary existing equipment and furniture in the Project.

4-2. Proper Maintenance

Fiji side promised to allocate necessary budget and manpower for the proper maintenance and utilization of the equipments and facilities to be provided under the Project.

4-3. Confidentiality of the Project Cost Estimation

The Team explained the cost estimation of the Project as described in Annex-4. Both sides agreed that the Project Cost Estimation should never be duplicated or released to any outside parties before signing of all the Contract(s) for the Project. Fiji side understood that the Project Cost Estimation attached as Annex-4 is not final and is subject to change.

Annex-1 Facility list

Annex-2 Equipment list

Annex-3 Layout plan

Annex-4 Project Cost Estimation

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Annex-1 Facility List

Annex- 1 - 1 Facility Volume

(m ²)	Area by floor	Building A	Connecti on bridge	Building B	Multi-purpose Lecture Theatre building		Remarks
					Foyer	Multi-purpose Lecture Theatre	
Building roof	36	18		18		104	Rooftop elevator machine room etc.
Fourth Floor	2,059	774	59	1,122		445	
Third Floor	2,059	774	59	1,102	129	450	
Second Floor	1,752	733		450	119		
First Floor	303	303				999	
Sub Total							
Total	6,659	2,602	118	2,692		1,247	

Annex- 1 -2 Planned Rooms and Area

Name of department	Building	Floor	Name of room	Planned area			Nbr of users		Remarks (USP Facility Standard)
				Number of rooms	Area	Total	Student	Staff	
Common Area (COMM)	T	2,3	Multi-purpose Lecture Theater	1	869.0	869.0	300		2.0m ² /person
			Lecture Hall	0	0.0	0.0			
	A	3	Office- Director ICT	1	22.0	22.0		1	24m ² /person
	A	3	Office- Core Staff	3	12.0	36.0		3	12m ² /person
			Office- Senior Staff	0	0.0	0.0			
	A	3	Reception/Secretary	1	24.0	24.0		2	12m ² /person
	A	3	Visiting Staff Office	3	12.0	36.0		3	12m ² /person
			Lecture Room	0	0.0	0.0			
	B	3	Video conference Room	1	120.0	120.0	50		2.5m ² /person
			Green Room	0	0.0	0.0			2.0m ² /person
	B	3	Conference Room (50 Parson)	1	90.0	90.0			2.0m ² /person
			Interaction Room	0	0.0	0.0			
	A	3,4	Common Room for Staff	2	24.0	48.0			
	A	2	ICT-Resource Room	1	24.0	24.0			Combined use
	B	2	Radio Pasifik Room	1	120.0	120.0	17		
		COMM Sub Total			1389.0	367	9		
Computer Course (CS)	A,B	2,3,4	Academic Staff Office	18	12.0	216.0		18	12m ² /person
	B	4	Technical Staff Office	1	24.0	24.0		2	12m ² /person
	A	4	Administrative Staff Office	1	24.0	24.0		2	12m ² /person
	A	2,3	Tutor Office	8	12.0	96.0		16	6m ² /person
	A	4	Research Laboratory	5	30.0	157.0	5 each		6m ² /person
	B	3	Dedicated Networking Teaching Laboratory	1	120.0	120.0	40		3.0m ² /person
			General Access Laboratory			0.0			
	B	4	Dedicated Computer Teaching Laboratory	4	120.0	480.0	160		3.0m ² /person
	B	3	Postgraduate Laboratory	1	60.0	60.0	24		3.0m ² /person
			Seminar Room			0.0			
	B	4	Technical Laboratory/Workshop	1	21.0	21.0		2	
			Small Server Room			0.0			
			CS Sub Total			1198.0	249	40	

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IT Services (ITS)	A	2	Office- Director ITS	1	24.0	24.0		1	
	A	2	Office- Secretary	1	12.0	12.0		1	
	A	2	General Office	1	126.0	126.0		20	6m ² /person
	A	2	Meeting Room	1	24.0	24.0			
	A	4	Laboratory A (Professional & Development Laboratory)	2	75.0	150.0	50		3.0m ² /person
	A	3	Laboratory B (General Access Laboratory)	2	162.0	324.0	120		3.0m ² /person
			Laboratory C (R&D)			0.0			
			Telephony Workshop			0.0			
	A	2	Computer Workshop	1	35.0	35.0		2	
			Communication Workshop			0.0			
	A	2	Server Room	1	54.0	54.0			
	A	2	Storage (Equipment Warehouse)	1	36.0	36.0			
	A	1	Help Desk & Waiting Area	1	72.0	72.0		3	
			Hub Earth Station Staff Room			0.0			
	B	3	USPNet Control Room	1	180.0	180.0			
			ITS Sub Total			1037.0	170	27	
Research and Development Department (RD)	B	2	Office- Research/Incubator	3	12.0	36.0			12m ² /person
	B	2	Test Bed/Incubation	1	120.0	120.0			12m ² /person
			Test Bed -2/Incubation						
		RD Sub Total			156.0				
Department of Engineering (ENG)	B	3	Office- Engineering	1	24.0	24.0		1	24m ² /person
	B	3	Technical Staff Office	1	12.0	12.0		2	9.0m ² /person
	B	3	Postgraduate Room	1	12.0	12.0	4		3.0m ² /person
	B	3	Computer Laboratory	1	51.0	36.0	12		3.0m ² /person
	B	3	Information and communication Engineering Laboratory	1	196.0	196.0	30		8.3m ² /person
			Engineering Laboratory-2			0.0			8.3m ² /person
			Engineering Laboratory-3			0.0			
	B	3	Storage/Research	1	30.0	30.0			
		Storage/Research-2			0.0				
		ENG Sub Total			310.0	46	3		
Geographic Information Course (GIS)			Office- Director						30m ² /person
			Office- Lecturers & Officers						15m ² /person
			Postgraduate Room						5.0m ² /person
			Geospatial Science Computer Learning Space						4.5m ² /person
			Geospatial Database Server Simulation Lab						
			10 Seat Research Laboratory						6.0m ² /PC
			Equipment Room						
			Data Warehouse						
		GIS Sub Total			0.0				
Other Common area			Shared toilet and corridor			4090.0			
			Machine Room			1985.0			
			Total Floor Area			217.0			
			Foyer			126.0			
			Total			6659.0			

Annex-1-3 Stage Settings Specifications

No	Name	Intended use	Stage Settings Specifications	Construction category
1	Traveler / House draw curtain (gold background)	Used to open and close the stage (lectures will be presented with the stage left closed)	22 m wide, approximately 7.5 m high, gold background, electrical motor-driven type	Included in the scope of this project
2	Traveler / House draw curtain (black background)	Used to open and close the stage (and as a scene-change curtain for dramas)	22 m wide, approximately 7.5 m high, black background, electrical motor-driven type	To be constructed separately from this project
3	Borders / Teasers	Curtains hung from the upper part of the stage to cover the stage flyings from the sight of the audience.	22 m wide, approximately 1.5 high, black background, hand-driven type	Included in the scope of this project
4	Side Legs / Curtains at the wings	Curtains hung from the right and the left sides of the stage to cover broadcasters and tools on the stage from the sight of the audience.	3 m wide, approximately 8 high, black background, hand-driven type	Included in the scope of this project
5	Suspension light	Hung from the pipe batten, chiefly to provide lighting effects on the stage.	650W Fresnel lens spotlight, hand-driven type	To be constructed separately from this project (only installation of three pipe battens will be included in the scope of this project)
6	Border light	Equipped directly behind the teasers to illuminate the stage.	200W nine-light halogen lamp, hand-driven type	To be constructed separately from this project (Three batten included.)
7	Draw curtain	Used to switch stage scenes.	20 m wide, approximately 6.5 m high, black background, electrical motor-driven type	To be constructed separately from this project
8	Projection screen	A curtain on which an images are projected during lectures.	300-inch white background curtain exclusively for image projection, electrical motor-driven type	Included in the scope of this project
9	Cyclorama	An effect curtain fixed at the innermost section of the stage to project images such as backgrounds	20 m wide, approximately 6.5 high, white background, electrical motor-driven type	Included in the scope of this project
10	Horizon light	A light to illuminate the cyclorama	200W nine-light halogen lamp, hand-driven type	To be constructed separately from this project
11	Ceiling light	Lighting effect equipment illuminating the stage from the upper part of the audience	1KW plane-convex lens spotlight	Included in the scope of this project
12	Gridiron	A work platform to hang curtains, lightings, and so on over the stage	Pulleys and cables will be placed on H-section steels arranged in the shape of lattice	Included in the scope of this project

Note: The above mentioned stage system will include pipe battens, cables, pulleys, and up-and-down/opening/closing mechanism for hanging stage settings.

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Annex-2 Equipment list

Code No.	Description	Allocation										Q'ty	
		COM				CSC		ITS			ENG		
		1	9	11	14	6	8	7	10	14	4		5
	Numer of Room Capacity(Number of person)/Room	(1)	(1)	(1)	(1)	(1)	(4)	(2)	(1)	(1)	(1)	(1)	
		300	50	50	-	40	40	60	-	-	12	30	
COM-1	DLP Projector (L)	1											1 unit
COM-2	LCD Projector (S) /w Screen		1	1									2 sets
COM-5-1	PC (Desktop type)				1								1 unit
COM-5-2	Desk & Chair for PC				1								1 set
COM-5-3	PC (Rack mount type)	1	1	1									3 units
COM-11	Presenter	1	1	1									3 units
COM-13	DVD Player				1								1 unit
COM-14	HDD/DVD recorder				1					1			2 units
COM-15	White Board	1	1	1									3 units
COM-16	LCD TV				1								1 unit
COM-20	Remote Camera (w/Control System)		1										1 set
COM-26	Audio Speaker		1	1									2 sets
COM-100	Audio Control System for Multipurpose Theater	1											1 set
COM-101	Video Control System for Multipurpose Theater	1											1 set
COM-102	A/V Control System for Video Conference Room		1										1 set
COM-104	A/V Control System for Conference Room			1									1 set
CSC-1	Midrange Server w/Rack					1							1 set
CSC-4	Switching Hub					1							1 unit
CSC-6	Patch Panel					1							1 unit
CSC-10	Ethernet Card					40							40 pcs.
CSC-15-1	PC (Desktop type)					40	110						150 units
CSC-15-2	Desk & Chair for PC					40	110						150 sets
CSC-16	Embedded System Board					4							4 sets
CSC-17	Oscilloscope					2							2 units
CSC-24	Printer					1	1						2 units

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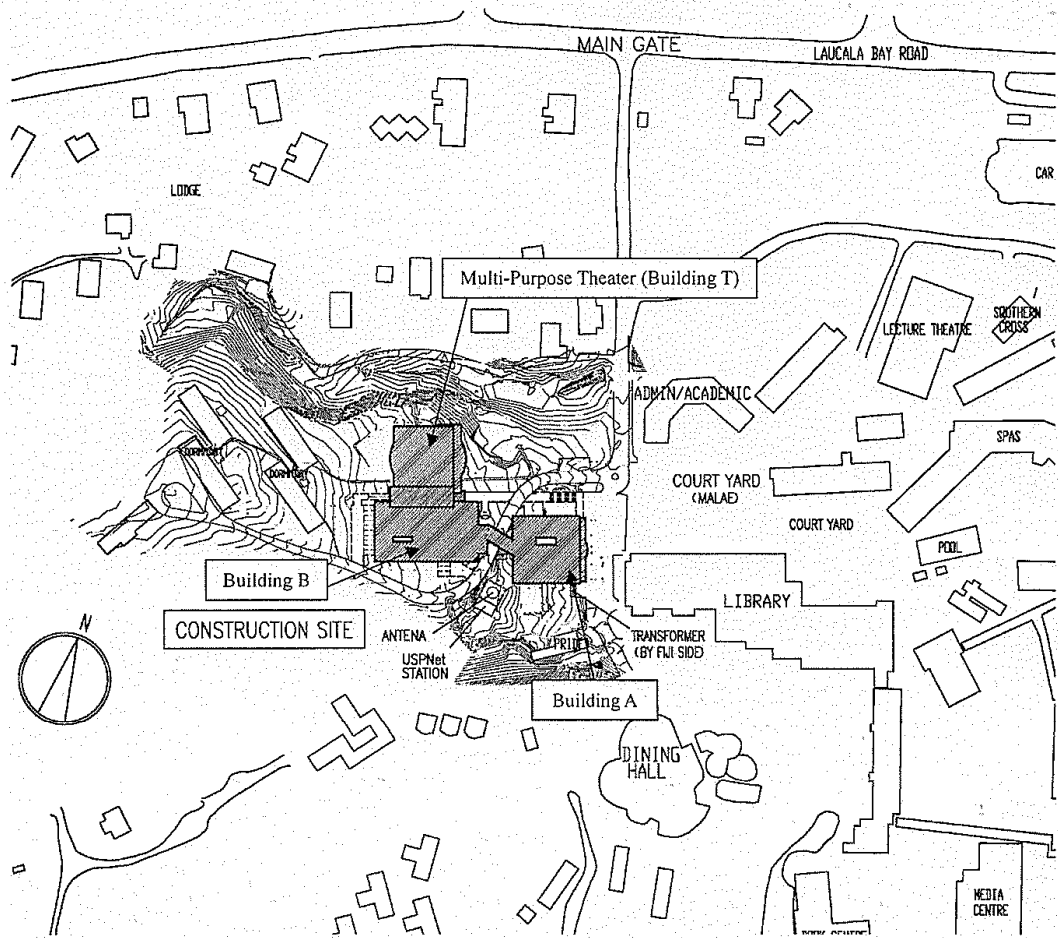
Code No.	Description	Allocation												Q'ty
		COM				CSC				ITS		ENG		
		1	9	11	14	6	8	7	10	14	4	5		
	Number of Room	(1)	(1)	(1)	(1)	(1)	(4)	(2)	(1)	(1)	(1)	(1)		
	Capacity(Number of person)/Room	300	50	50	-	40	40	60	-	-	12	30		
ITS-1	High end Server								6				6 units	
ITS-3	Midrange Server								14				14 units	
ITS-4	Tape Backup Archive								1				1 unit	
ITS-6	Switching Hub								1				1 set	
ITS-7	UPS								1				1 set	
ITS-15-1	PC (Desktop type)							120					120 units	
ITS-15-2	Desk & Chair for PC							120					120 sets	
ITS-20	Printer							2					2 units	
ITS-22	LCD Projector (S) /w Screen							2					2 sets	
ITS-30	Equipment Rack								1				1 set	
ITS-32-1	PC (Desktop type for Scheduler)									1			1 unit	
ITS-32-2	Desk & Chair for PC									1			1 set	
ITS-33	Workbench w/Chair									1			1 set	
ITS-35	HDD/DVD recorder									2			2 units	
ITS-60	A/V System for USPNet Control Room									1			1 set	
ENG-5	Analog Communications											1	1 set	
ENG-6	Analog Communications Training System											1	1 set	
ENG-7	Fiber Optic Communications											1	1 set	
ENG-8	Antenna Training and Measuring System											1	1 set	
ENG-9	Microwave Technology Training System											1	1 set	
ENG-11	Digital Communications 1											1	1 set	
ENG-12	Digital Communications 2											1	1 set	
ENG-13	Digital Communications Training System											1	1 set	
ENG-17	Oscilloscope											10	10 units	
ENG-18	Power Supply											10	10 units	

Code No.	Description	Allocation										Q'ty	
		COM				CSC		ITS			ENG		
		1	9	11	14	6	8	7	10	14	4		5
	Number of Room	(1)	(1)	(1)	(1)	(1)	(4)	(2)	(1)	(1)	(1)	(1)	
	Capacity(Number of person)/Room	300	50	50	-	40	40	60	-	-	12	30	
ENG-19	Signal Generator											10	10 units
ENG-20	Multimeter											10	10 units
ENG-21	Soldering Station											10	10 sets
ENG-22	Tool kits											10	10 sets
ENG-29	Bread Board Set											10	10 sets
ENG-33-1	PC (Desktop type)										12	3	15 units
ENG-33-2	Desk & Chair for PC										12	3	15 sets
ENG-34	Midrange Server w/Rack											1	1 set
ENG-45	Workbench w/Chair											10	10 sets
ENG-46	LCD Projector (S) /w Screen										1	1	2 sets
ADD-1	Microfilm Scanner				1								1 unit
ADD-2	Flat-bed Scanner				1								1 unit

Room List

- COM-11 : Conference Room
- COM-14 : ICT Resource Room
- CSC-6 : Dedicated Networking Teaching Lab.
- CSC-8 : Dedicated Computer Teaching Lab.
- ITS-7 : Laboratory B (General Access)
- ITS-10 : Server Room
- ITS-14 : USPNet Control Room
- ENG-4 : Computer Lab.
- ENG-5 : Engineering Lab.1

Annex-3 Layout plan



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Annex-4 Project Cost Estimation

The total project amount in case this project will be implemented through grant aid cooperation from Japan is estimated to be 2,491.2 million yen and the breakdown of the cost to be borne by Japan and Fiji is estimated as follows, according to the condition in the article(3)below. This cost estimate is provisional and would be further examined by the Governments of Japan for the approval of Grant.

(1) Cost Estimation to be borne by the Japan side

Cost Estimation App.2,287.9 million Japanese Yen
3 buildings and total floor area 6,659 m²

Table 2-30 Cost Estimation to be borne by the Japan side

Item	Cost Estimation (million Japanese Yen)		
(1) building			
Building A (ITS, Computer Labs)	696.0	1,915.5	2,132.8
Building B (Computer Labs, Conference, etc and Connection bridge)	713.6		
Building T (Multi-purpose Lecture Theatre)	449.8		
Landscaping & Others	56.1		
(2) Equipment	217.3		
(3) Detail Design, Supervising			155.1

(2) Cost Estimation to be borne by Fiji side

Table 2-31 Cost Estimation to be borne by Fiji side

		(FJ \$)	(million Japanese Yen)
Total		2,687,000	203.3
1)	Demolition of Existing Building	401,000	30.3
2)	Leveling of Construction Site	26,000	2.0
3)	Move of Power Receiving Station	40,000	3.0
4)	Move of Water Tank	40,000	3.0
5)	Landscaping	261,000	19.7
6)	Parking	200,000	15.1
7)	Planting	32,000	2.4
8)	Equipment	472,000	35.7
9)	Furniture	180,000	13.6
10)	Theatre Equipment	734,000	55.5
11)	Power Receiving Equipment	301,000	22.8

* Networking, Telephone calling, Moving Expenses are not included in the cost estimation above.

6. Minutes of discussions of Basic Design Study

**MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY
ON THE PROJECT FOR THE CONSTRUCTION OF THE UNIVERSITY OF THE
SOUTH PACIFIC INFORMATION AND COMMUNICATION TECHNOLOGY CENTRE
IN THE REPUBLIC OF THE FIJI ISLANDS**

Based on the results of the Preliminary Study, the Government of Japan decided to conduct a Basic Design Study on the Project for the Construction of the University of the South Pacific Information and Communication Technology Centre (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA")

JICA sent to the Republic of the Fiji Islands (hereinafter referred to as "Fiji") the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr Osamu Makino, Senior Advisor, Institute for International Cooperation of JICA, and is scheduled to stay in the country from February 8th to March 12th, 2005

The Team held discussions with the officials concerned of the Government of Fiji and also with the University of the South Pacific conducted a field survey at the study area

In the course of discussions and field survey, all parties confirmed the main items described in the attached sheets. The Team will proceed to further works and prepare the Basic Design Study Report

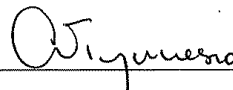
Suva, February 15th, 2005



Mr. Osamu Makino
Leader
Basic Design Study Team
Japan International Cooperation Agency



Professor Rajesh Chandra
Acting Vice Chancellor
University of the South Pacific



Mrs Alumita Taganesia
Chief Executive Officer
Ministry of Education
Republic of the Fiji Islands

ATTACHMENT

1 Objective of the Project

The objective of the Project is to strengthen the capacity of the University of the South Pacific (USP) to deliver quality ICT education, training and related research and development to more Pacific Islanders through the establishment of the Information and Communication Technology Centre (hereinafter referred as "the ICT Centre")

2 Project site

The site of the Project is at the Laucala Campus of USP as shown in Annex-1

3 Responsible and Implementing Organization

3-1 The responsible organization is the Ministry of Education

3-2 The implementing organization is USP

The current organization chart of USP (with the proposed ICT Centre) is attached as Annex-2-1

The organization chart of project development for the ICT Centre is attached as Annex-2-2

The organization chart of the ICT Centre is attached as Annex-2-3

4 Items requested by the Government of Fiji

After discussions with the Team, the items described in Annex-3 were finally requested by Fiji side. JICA will assess the appropriateness of the request and will recommend to the Government of Japan for approval

4-1 Construction of the Buildings and Facilities

Major items are listed in Annex-3-1

4-2 Procurement of the Equipment

Major items are listed in Annex-3-2

5 Japan's Grant Aid Scheme

Fiji side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Fiji as explained by the Team and described in Annex-4 and Annex-5 of the Minutes of Discussions signed by both parties on February 15th, 2005

6 Schedule of the Study

6-1 The consultants will proceed to further studies in Fiji until March 12th, 2005

6-2 JICA will prepare the draft report in English and dispatch a mission in order to explain its contents in June 2005

6-3 Upon acceptance of the report in principle by the Government of Fiji and USP, JICA will complete the final report and send it to the Government of Fiji by August 2005



7 Other relevant issues

7-1 Naming of the ICT Centre

Both sides agreed in principle that the ICT Centre would be named as "Japan-Pacific ICT Centre" for a better cooperation between the Pacific region and Japan.

7-2 Curricula at the ICT Centre planned by USP

In the series of discussions USP explained the curricula, including education, training and related research and development programs, at the ICT Centre. The consultants will confirm the further details of the curricula, and then JICA will assess the appropriateness of the curricula for the achievement of the project objective and confirm the consistency between the curricula and the requested items.

7-3 Priority in the requested items

The Team explained that the contents of request were expanded through the several revisions by USP, therefore the requested items shall be squeezed to minimum items, numbers and specifications necessary for the achievement of the project objective. USP recognized and promised to give the order of the final priority to the requested items by March 10th, 2005.

7-4 Lecture Theater and Multipurpose Digital Performing Arts Theater

USP requested two large-scale theaters, the Lecture Theater and the Multipurpose Digital Performing Arts Theater. The Team explained that it was difficult to provide the two large-scale theaters under the policy of the Japan's Grant Aid. The Team proposed combining the two theaters into one air conditioned Multipurpose Theater having a stage and 300~500 seats. USP requested an opportunity to further consider this issue and promised to convey its final view by March 10th, 2005.

7-5 Procurement of the application software

The Team explained that it was difficult to procure application software which USP wanted because particular software could not be designated in tender. USP recognized and agreed to procure the application software needed for the Project by USP, except for the operating systems.

7-6 Criteria for items selection

Both sides agreed on the criteria for items selection as described in Annex-6. Nevertheless, the contents covered by the Project will be finalized after further study in Japan.

7-7 Target Year

Both sides confirmed that the ICT Centre would be targeted to become operational in 2008.



7-8 Operation and maintenance

USP agreed to allocate necessary budget and sufficient number of teaching, technical and administration staff for the proper operation and maintenance of facilities and equipment procured by the Project

7-9 Necessities of Technical Cooperation

For the sake of the technology transfer on sustainable management and activities of the ICT Centre, the Fiji side pointed out the need for dispatch of Japanese experts as well as technical training of counterpart personnel in Japan. They also understood that separate official request on technical cooperation should be submitted through the Embassy of Japan and/or the JICA Fiji Office

7-10 Project plans at the ICT Centre financed by any other donors

The Team requested USP to provide ICT related activities and plans financed by any other donors to enhance collaboration and to avoid duplication. USP has agreed to keep the Team fully informed on ICT related activities and plans by the end of February 2005

Annex-1: Location map of the Project

Annex-2: Organization chart of USP/Project Development/the ICT Centre

Annex-3: Major items requested by the Government of Fiji

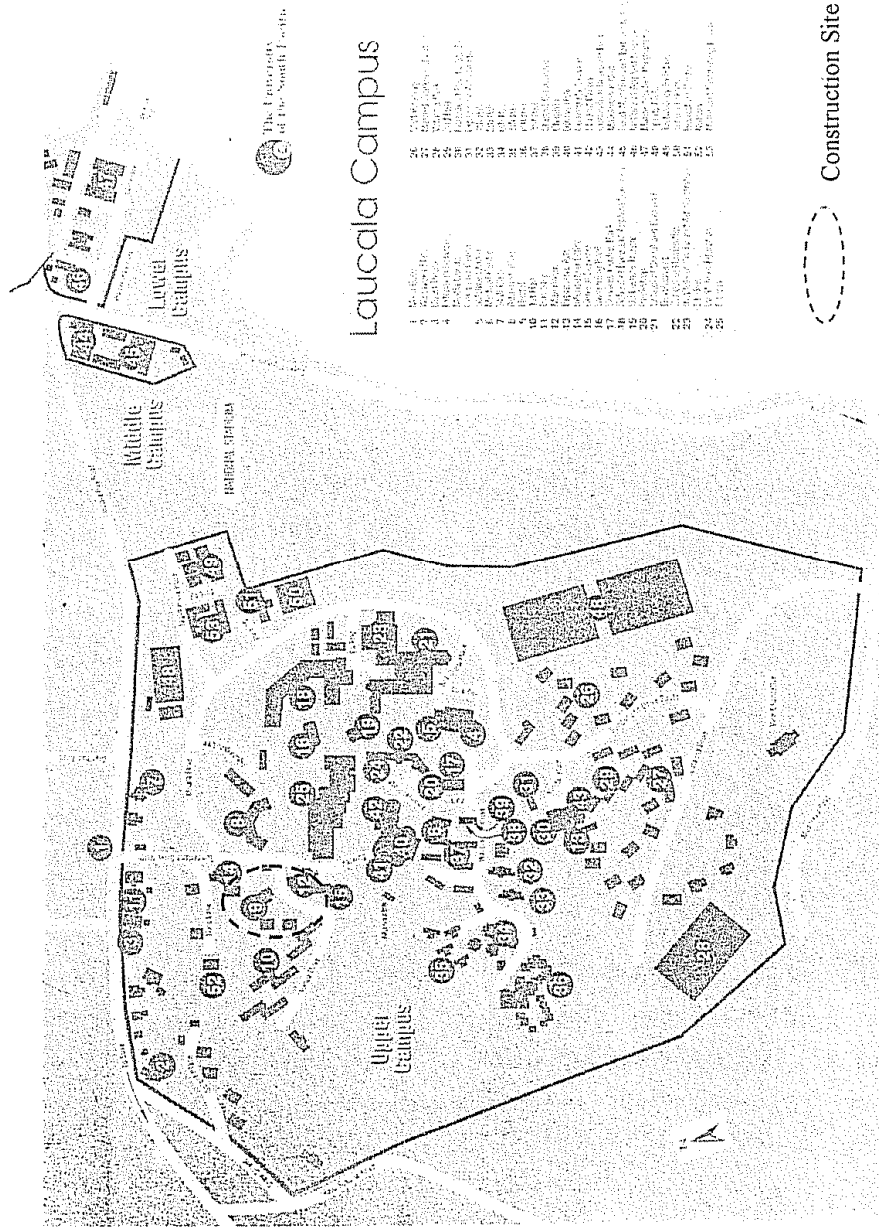
Annex-4: The Japan's Grant Aid Scheme

Annex-5: Necessary undertakings to be taken by each government

Annex-6: Criteria for items selection



Annex-1: Location map of the Project

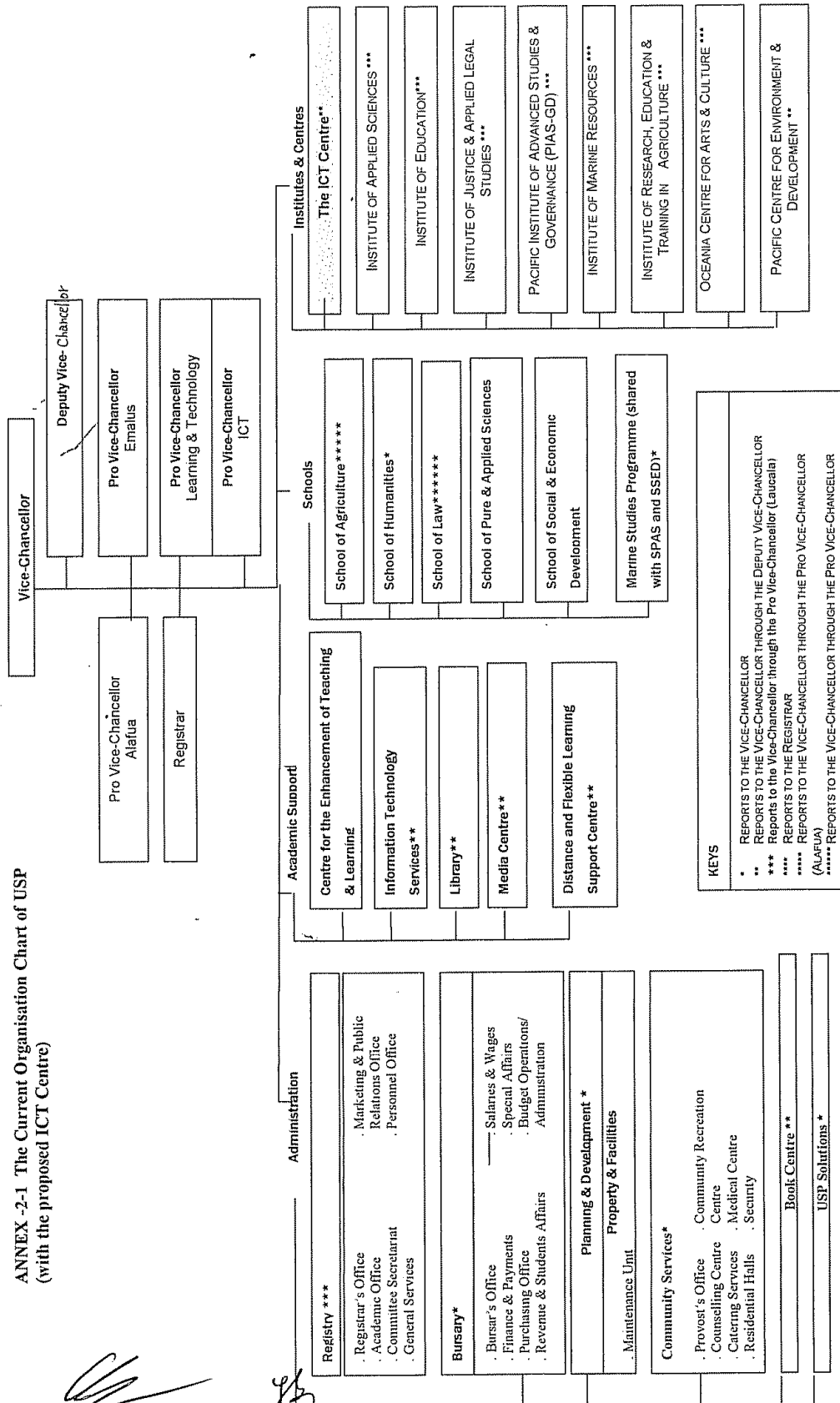


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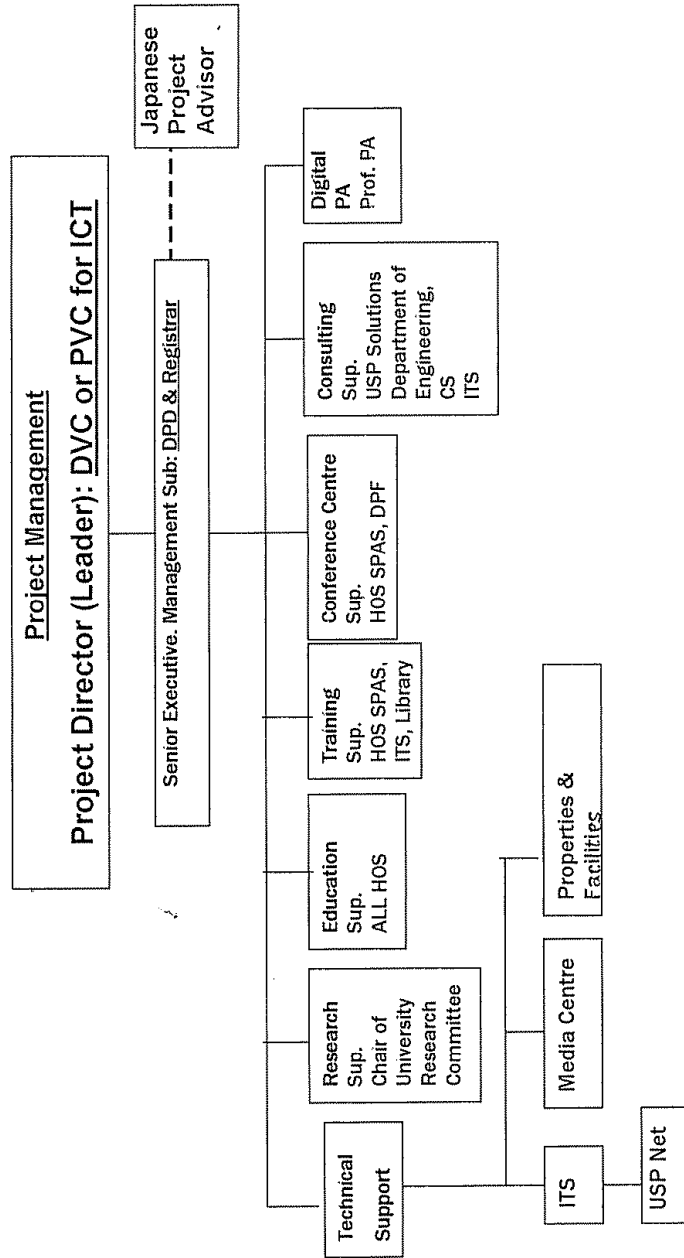
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ANNEX -2-1 The Current Organisation Chart of USP
(with the proposed ICT Centre)



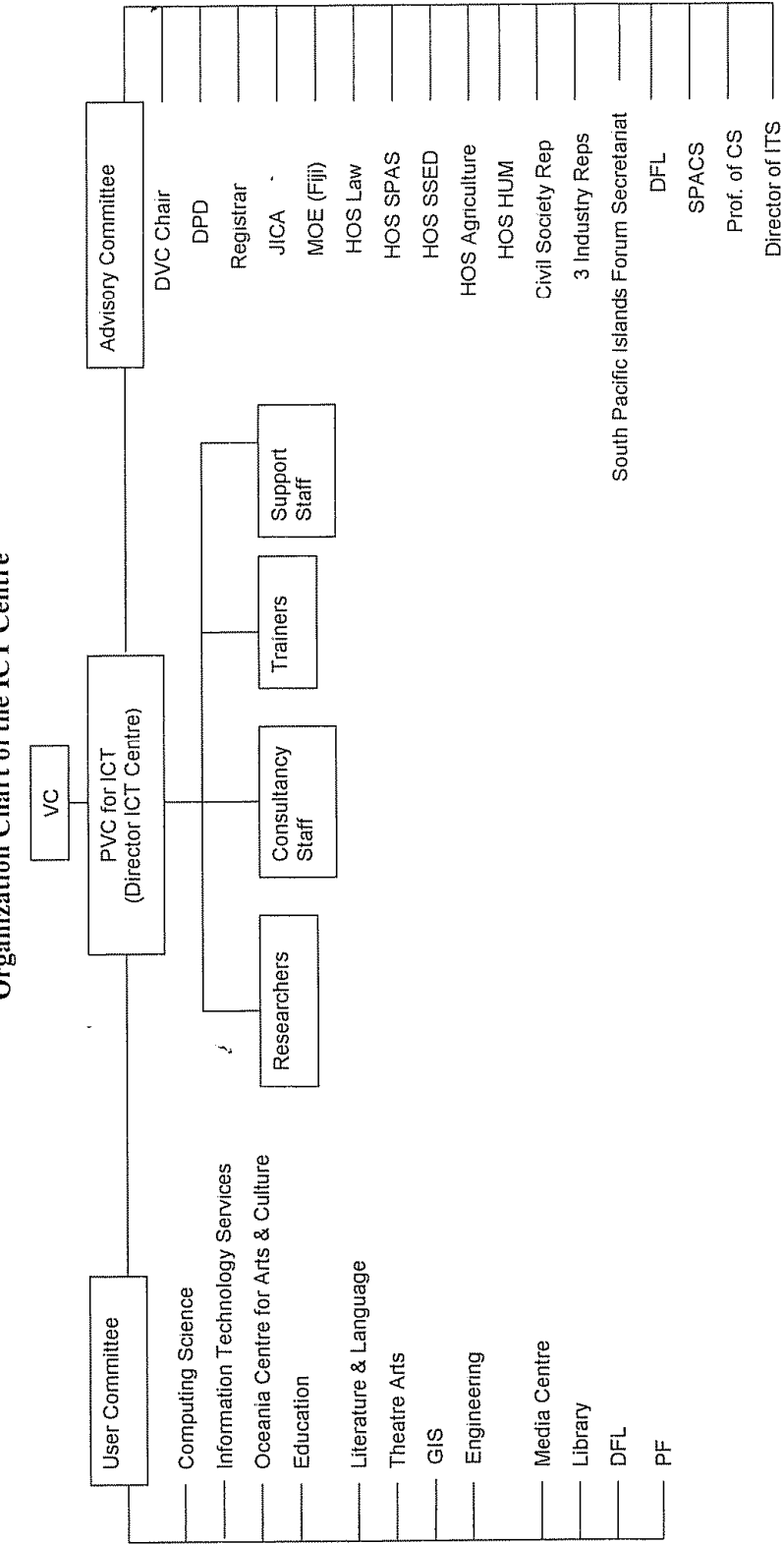
Organization Chart of Project Development for the ICT Centre



DVC-Deputy Vice Chancellor, PVC-Pro Vice Chancellor, DPD- Director Planning & Development, RC - Research Committee, HOS - Head of School, SPAS - School of Pure and Applied Sciences, PA - Performing Arts, GIS - Geographical Information Systems and DPPF - Director Physical Planning and Facilities

Annex-2-3

Organization Chart of the ICT Centre



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VC-Vice Chancellor, DPD- Deputy Vice Chancellor, PVC-Pro Vice Chancellor, DPD- Director Planning & Development, MOE – Ministry of Education, HOS – Head of School, SPAS – School of Pure and Applied Sciences, HUM – Humanities, SPACS – South Pacific Computer Society.

Annex – 3-1: Major items requested by the Government of Fiji for the ICT Centre at USP
(Buildings and Facilities)

Department	Facility Name	Remarks
Common Area	Multipurpose Theater	Air Conditioned, 300 – 500 Seating
	Lecture Halls	For 200 persons x 4, Flat floor
	Office – Senior Staff	
	Office – General Staff	
	Tutorial Room	
	Video Conference Room	
	Conference Room	
	Office – Director ICT	
	Office – Core Staff ICT	
	Interaction Rooms	
	Staff Common Room	
	ICT Resource Room	
	Digitization Room	
	'Radio Pacifik' Room	
	Common Space	Reception, Corridor, Toilet, etc.
Computing SC	Academic Staff Offices	
	Technical Staff Offices	
	Administration Staff Offices	
	Tutor Offices	
	Visiting Staff Offices	
	Research Laboratories	
	Dedicated Networking Teaching Laboratory	For 40 persons
	General Access Computer Laboratory	For 60 persons x 4, shared with other departments
	Dedicated Computer Teaching Laboratory	For 40 persons x 3
	Tutorial Seminar Rooms	For 30 persons x 10
	Technical Work Room	
IT Service	Offices - Directors ITS	
	Office - Secretary	
	Laboratory	For 26 persons x 4
	Laboratory	For 50 persons x 8

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	Laboratory	For 11 persons
	Offices	
	Workshop	
	Server Room	
	Storage Rooms	Network & computer storage
	Meeting Room	
	Helpdesk & Waiting Area	
	Hub Earth Station	
	USP Net Control Room	
GIS	Office, Director	
	Office, Lectures & Officers	
	Postgraduate Room	
	Geospatial Science Computer Learning Space	For 47 persons
	Geospatial Database Server Simulation Lab	For 10 persons
	10 "Seat" Research Laboratory	
	Equipment Room	
	Data Warehouse	
Engineering	Offices, Directors	
	Electrical Laboratory	
	Electronics Laboratory	
	Mechatronics Laboratory	
	Communication Laboratory	
Research and Development	Office – Research / Incubator	Partnership with Industry
	Test Bed Research / Incubator	
	Computer Labs Research	
	Workshop	

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051

Annex-3-2 Major Items requested by the Government of Fiji for the ICT Centre at Suva (Equipment)

Category	Equipment Name
1 Equipment for Common Area	LCD Projector
	Projection screen
	DVD Player
	PA system
	OHC
	Microfilm Reader / Film Scanner
	Video Conference System
	PCs
	Digital Camcorder
2 Equipment for Computing Science	Servers
	PCs
	Routers
	Switchers
	Patch Panels
	Digital Oscilloscopes
3 Equipment for IT service	Servers
	PCs
	Printers
	UPS
	Switchers
	Backup equipment for data
4 Equipment for GIS	Servers
	PCs
	Field Spectrometer
	GPS Mobile Mapping System
	Scanners
5 Equipment for Department of Engineering	Digital Oscilloscopes
	Signal Generator
	Power Supply
	Servers
	PCB Etching Machine
	Bread Board
6 Equipment for Research and development	Three axis Magnetometer
	Spectrum analyzer
	Vector network analyzer
	VHF transmitter/receiver
	Digital Oscilloscope

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Annex – 4: The Japan's Grant Aid Scheme

The Grant Aid Program provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

1. Grant Aid Procedure

1) Japan's Grant Aid Program is executed through the following procedures

Application (Request made by a recipient country)

Study (Basic Design Study conducted by JICA)

Appraisal & Approval (Appraisal by the Government of Japan and Approval by Cabinet)

Determination of Implementation

(The Notes exchanged between the Governments of Japan and the recipient country)

2) Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA to conduct a study on the request. If necessary, JICA send a Preliminary Study Team to the recipient country to confirm the contents of the request.

Secondly, JICA conducts the study (Basic Design Study), using Japanese consulting firms

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on

2. Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study (hereinafter referred to as "the Study"), conducted by JICA on a requested project (hereinafter referred to as "the Project"), is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:



- a) confirmation of the background, objectives and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation,
- b) evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from the technical, social and economic points of view,
- c) confirmation of items agreed on by both parties concerning the basic concept of the Project,
- d) preparation of a basic design of the Project, and
- e) estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of Japan's Grant Aid Scheme

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even through they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions

2) Selection of Consultants

For the smooth implementation of the Study, JICA uses a consulting firm selected through its own procedure (competitive proposal). The selected firm participates the Study and prepares a report based upon the terms of reference set by JICA

At the beginning of implementation after the Exchange of Notes, for the services of the Detailed Design and Construction Supervision of the Project, JICA recommends the same consulting firm which participated in the Study to the recipient country, in order to maintain the technical consistency between the Basic Design and Detailed Design as well as to avoid any undue delay caused by the selection of a new consulting firm

3 Japan's Grant Aid Scheme

1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.



2) "The period of the Grant" means the one fiscal year which the Cabinet approves the project for. Within the fiscal year, all procedure such as exchanging of the Notes, concluding contracts with consulting firms and contractors and final payment to them must be completed.

However, in case of delays in delivery; installation or construction due to unforeseen factors such as weather, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

3) Under the Grant, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely consulting, contracting and procurement firms, are limited to "Japanese nationals" (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

4) Necessity of "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability of Japanese taxpayers.

5) Undertakings required to the Government of the recipient country

a) to secure a lot of land necessary for the construction of the Project and to clear the site,

b) to provide facilities for distribution of electricity, water supply and drainage and other incidental facilities outside the site,

c) to ensure prompt unloading and customs clearance at ports of disembarkation in the recipient country and internal transportation therein of the products purchased under the Grant Aid;

d) to exempt Japanese nationals from customs duties, internal taxes and fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts,

e) to accord Japanese nationals whose services may be required in connection with the supply of the products and services under the verified contracts such as facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work,



f) to ensure that the facilities constructed and products purchased under the Grant Aid be maintained and used properly and effectively for the Project, and

g) to bear all the expenses, other than those covered by the Grant Aid, necessary for the Project

6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign the necessary staff for operation and maintenance of them as well as to bear all the expenses other than those covered by the Grant Aid

7) "Re-export"

The products purchased under the Grant Aid shall not be re-exported from the recipient country

8) Banking Arrangement (B/A)

a) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the verified contracts

b) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an Authorization to Pay (A/P) issued by the Government of recipient country or its designated authority

9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commission to the Bank.



Annex-5: Necessary undertakings to be taken by each government

NO	Items	To be covered by Grant Aid	To be covered by Recipient side
1	To secure land		•
2	To clear, level and reclaim the site when needed		•
3	To construct gates and fences in and around the site		•
4	To construct the parking lot	•	•
5	To construct roads		
1)	Within the site	•	
2)	Outside the site		•
6	To construct the building	•	
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
1)	Electricity		
a	The distributing line to the site		•
b	The drop wiring and internal wiring within the site	•	
c	The main circuit breaker and transformer	•	
2)	Water Supply		
a	The city water distribution main to the site		•
b	The supply system within the site (receiving and/or elevated tanks)	•	
3)	Drainage		
a	The city drainage main (for storm, sewer and others) to the site		•
b	The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	•	
4)	Gas Supply		
a	The city gas main to the site		•
b	The gas supply system within the site	•	
5)	Telephone System		
a	The telephone trunk line to the main distribution frame / panel (MDF) of the building		•
b	The MDF and the extension after the frame / panel	•	
6)	Furniture and Equipment		
a	General furniture		•
b	Project equipment	•	
8	To bear the following commissions to a bank of Japan for the banking services based upon the B/A		
1)	Advising commission of A/P		•
2)	Payment commission		•
9	To ensure prompt unloading and customs clearance at the port of disembarkation in recipient country		
1)	Marine(Air) transportation of the products from Japan to the recipient country	•	
2)	Tax exemption and customs clearance of the products at the port of disembarkation		•
3)	Internal transportation from the port of disembarkation to the project site	(•)	(•)

Annex-6: Criteria for items selection

The requested items for the project should specify the appropriate and minimum scale, specification and amount in order to achieve the project objective. The criteria for items selection is shown below as the principles for selection

[Priority Principle]

- (1) Items that contribute to great extent to achieve the project objective
- (2) Items that match the curriculum
- (3) Items which use frequency is not low
- (4) Items that relates to social necessity and market needs
- (5) Items that cannot be replaced as the existing building or equipment
- (6) Items that are not planned to be donated from other aid organization
- (7) Items that are not easily purchased by USP
- (8) Items that don't hold problems to implement (big-scale land development, budget treatment, schedule and procurement)
- (9) Items that don't hold problems on the administration and maintenance (budget, personnel, technology, procurement of consumables)
- (10) Items with long life expectancy

[Elimination Principle]

- (1) Items that needs high maintenance cost
- (2) Items that limit the benefit effect
- (3) Items that effect per cost is small
- (4) Items that can be replaced with the easier one
- (5) Items that can only be used for personal use
- (6) Items which number exceeds the minimum needs (inefficient and overlapping items)
- (7) Items that are not installed or stored outside of ICT center
- (8) Consumables

In addition, the items below could be added or deleted by the local conditions:

[Priority Principle]

- (1) Items that can be operated with the existing technology level of USP
- (2) Items for which the maintenance personnel (including out-sourcing) are kept or planned to be kept
- (3) Items that match the regional obligation of USP and its strategic directions
- (4) Items where technical cooperation can be expected

[Elimination Principle]

- (1) Items that cannot be operated with the existing technology level of USP when ICT centre is operational
- (2) Items for which the maintenance personnel (including out-sourcing) are not kept or planned to be kept
- (3) Items that doesn't match the regional obligation of USP and its strategic directions
- (4) Items that needs the development of large-scale communication infra-structure
- (5) Items that can be dealt with the efficient use of the existing items

