

ENGINEERING PROGRAM DATA

Table-I: ACCREDITATION STATUS (PROGRAM-WISE)

S#	Program Title	Accreditation of Intake Batches (Intake from-to)	Green Signal Zero/Interim Visits (Intake from-to)
1	Electronic Engineering	Batch 2008 & 2009	None

Table-II: STUDENT SUMMARY (PROGRAM-WISE)

Name of Engineering Program: **Electronic Engineering**

Study Year	Batch/Enrolment Year	No. of Students	No. of Sections
1st Year	2014	39	One
2nd Year	2013	34	One
3rd Year	2012	38	One
4th Year	2011	34	One
Total		145	Four

Table-III: FACULTY SUMMARY (PROGRAM-WISE)

Name of Engineering Program: **Electronic Engineering**

	Faculty teaching Engineering Subjects				Faculty teaching Non-Engineering Subjects			
	BSc	MSc	PhD	TOTAL	BSc	MSc	PhD	TOTAL
Program Faculty (Dedicated)	6	7	2	16	1	1	0	2
Program Faculty (shared with other programs)	0	0	0	0	0	0	0	0
Shared Faculty (from other programs)	0	3	2	5	0	0	0	0
Visiting Engg. Faculty (from Industry, or other university)	0	0	0	0	0	0	0	0

Table-IV: STUDENT : TEACHER RATIO (PROGRAM-WISE)

Name of Engineering Program: **Electronic Engineering**

A. Total students currently enrolled in the Engineering Program	145
B. Total full-time dedicated Engineering faculty members	10
Student : Teacher Ratio [A:B]	14.5

Table-V: FACULTY DETAILS RATIO (PROGRAM-WISE)Name of Engineering Program: **Electronic Engineering**

Sr. No.	Name	PEC #	Designation	Joining Date	Details of Qualifications			Specialization	Experience Teaching	Dedicated / Shared
					Degree	Year	Institution			
1	Dr Usama Mir	Comp/6661	Head of Department	18/12/2012	Post-doc	2012	Telecom Bretagne, Rennes France	Communication, Architecture	2 Years	Dedicated
					PhD (Elec)	2011	Troyes University of Technology, France			
					MS (Elec)	2008	Troyes University of Technology, France			
					BS (CE)	2006	BUIITEMS Quetta Pakistan			
2	Dr. Omar Mobarak	ELECTRO/6500	Assistant Professor	1 st Feb 2013	PhD (Elec)		University of South Wales, Australia	Cross Layer Design, Signal Processing	2.5 Years	Dedicated
					MS (Elec)		University of South Wales, Australia			
					BE (Electro)		GIKI, Swabi			
3	Engr Kashif Altaf	MECHATRO/66	Assistant Professor		MS (Elec)	2009	University of Illinois, USA	Semiconductor Fabrication, Micro & Nanotechnology	5 Years	Dedicated
					BE (Mecha)	2006	NUST			
4	Abdul Rehman Abid	N/A	Assistant Professor	Aug-08	Ph.D. (TE)		Iqra University Islamabad (in progress)	Mathematics, Communication	6.5 Years	Dedicated
					M.S (CE)	2006	CASE			
					MSc (Math)	2003	BZU Multan			
5	Engr Fahad Bin Muslim (on leave since 21/03/2014)	Elect/23498	Assistant Professor	Jan-12	PhD			Control Systems	4.5 Years	Dedicated
					ME (Comm)	2010	Chalmers University Sweden			
					BS (Elec)	2007	UET Peshawar			
6	Engr Viqar	ELECT	Assistant	Jun-				Power Electronics	8.5	Dedicated

	Ahmed (on leave since 31/07/2014)	/22882	Professor	07	M.S (Elec)	2010	NUST		Years	
					BS (Elec)	2007	NUST			
7	Mr. Saquib Bhatti	Applied	Lecturer	1 st Feb 2013	MS (Electro)		Univeristy of Portsmouth, UK	Optoelectronics	2.5 Years	Dedicated
					BS (Telecom)		FAST Islamabad			
8	Engr Usman Hashmi	ELECT /26696	Lecturer	31 st Jan 2011	Ph.D. (CE)	in process	Iqra University Islamabad	Programming Languages, Time Synchronization	3.5 Years	Dedicated
					M.S (TN)	2010	Iqra University Islamabad			
					B.E (Elec)	2008	Federal Urdu University			
09	Engr S M Nashit	Mechat ro/671	Lecturer	Jan 2014	MS (Mech)	2013	Air University Islamabad	Mecharomics	2 years	Dedicated
					BS (Mech)	2010	Air University Islamabad			
10	Engr Muhammad Asad	Telecom/4909	Lecturer	Jan 2014	MS (Comm)	2013	Technical University of Munich, Germany	Communications, System Design	1.5 years	Dedicated
					BS (Telecom)	2011	UET, Taxila			

Shared Faculty

Sr. No.	Name	PEC #	Designation	Joining Date	Details of Qualifications			Specialization	Experience Teaching	Dedicated / Shared
					Degree	Year	Institution			
1	Dr. Kh. Tauseef Tasneem	N/A	Assistant Professor	Sep 1, 2013	PhD (ECE)	2013	University of Canterbury, New Zealand	Network Communication	7 Years	Shared
					MS (EE)	2006	MAJU, Islamabad			
					BS (CS)	2005	Bahria University, Islamabad			
2	Dr. Siamah Mehmood	N/A	Professor		Ph.D			Psychology	15 Years	Shared

3	Mr. Raja Nadeem Sadiq	N/A	Associate Professor	Jan 14, 2004	M.A		Punjab University	English Literature	12 Years	Shared
4	Ms. Sarwat Aslam	N/A	Lecturer	Jan 10, 2009	M.A		Punjab University	English Literature	6 Years	Shared
4	Mr. Muhammad Usman	N/A	Lecturer	Jan 15, 2009	M.Phil	2011	International Islamic University, Islamabad	Islamic Studies	8 Years	Shared
					BA(Hons)	2006	International Islamic University, Islamabad			

A. Lab Instructors/Engineers Details

Sr. No.	Name	Joining Date	Designation	PEC #	Details of Qualifications			Specialization
					Degree	Year	Institution	
1	Engr. Arsalan Majeed	Feb 24, 2011	Lab Engineer	TELE/2404	ME (Elec)	in progress	EME NUST	Communication, Programming
					BE (Telecom)	2010	NUCES-FAST	
2	Engr. Muhammad Kashif	Jun 1, 2012	Lab Engineer	ELECT/11774	ME (Electro)	in progress	UET Peshawar	Electrical
					BE (Electro)	2009	International Islamic University	
					BE (ELec)	2011	FUUST	
3	Engr Ahmad Jamal Ikram	Feb 1, 2013	Lab Engineer	Electro/35980	BE (Electro)	2012	CIIT Islamabad	Electronics
4	Engr Eeasha Oaj	Aug 0, 2014	Lab Engineer	Applied	BE (Telecom)	2013	APCOMS (UET)	Communication
5	Engr Nouman Jadoon	Aug 04, 2014	Lab Engineer	ELECTRO 18558	BE (Electro)	2012	Iqra University	Power Electronics
6	Engr Tahira Iqbal	Sep 01, 2014	Lab Engineer	In Process	BE (SE)	2014	NAMAL College	Programming
7	Mr, Shahzad Raza	Oct 01, 2010	Lab Instructor	N/A	BS-Electro	2013	Hamdard Uni	Power Electronics

Table-VI: LABORATORY DETAILS (PROGRAM-WISE)

Name of Engineering Program: **Electronic Engineering**

Number of Total Engineering+Computing Courses:	25
Number of Lab Courses:	23
Number of Laboratories:	10

Core Engineering Labs

S#	Name of Laboratory (Staff-Names- Qualification)	Lab(s) of Course(s) conducted in the Lab	Workstations		
			Type(s) of Workstations (No. of each type)	Nature of Experiments	Capacity (Stdudents)
1.	Electronics Lab	1. EEN112 - Basic Electrical Engineering 2. EEN212 - Circuit Analysis-I 3. EEN213 - Circuit Analysis-II 4. EEN122 - Electronics-I 5. EEN211 - Electronics-II 6. EEN313 - Microelectronics	1. Workstations each with Power Supply, Signal Generator, Oscilloscope, Multi-meter, Breadboard, Components & Core2Duo Computers 2. Miscellaneous e.g. Spectrum Analyzer, Arbitrary Waveform Generators , Programmable Power Supplies, LCR Meters, Frequency Counter, Inductance Meter, Earth Tester, Sound Level meter, Anemometer, Insulation Resistance meter, Phase Rotation tester, Magnetic Field tester	Hands-on Projects, R&D, Class Demonstration	40
	Staff: Lab Incharge: Engr. Ahmad Ajmal – B.Sc (Elect) Lab Asst.: Mr. Rehan Ali – DAE (Electro) Lab Atten.: Mr. Muhammad Sarfraz– Matric				
2.	Physics Lab	1. BAS112 - Engineering Mechanics 2. EEN111 - Electricity and Magnetism	1. Introductory Mechanics System	Demonstration	25
	Staff: Lab Incharge: Engr. Muhammad Kashif– BS (Electro) Lab Asst.: Mr. Muhammad Shamil – DAE (Electro) Lab Atten.: Mr. Saif Ullah – Matric		2. Basic Electrostatic System	Demonstration	
			3. Faraday’s Law Experiment	Demonstration	
			4. Motor/ Generator Kits	Demonstration	
			5. Van de Graaff Generators	Class Demonstration	

3.	Digital Systems & Controls Lab	1. EEN221 - Digital Logic Design	1. Logic Design Trainer and Work stations with Breadboard, Components	Hands-on	40
	Staff: Lab Incharge: Engr. Arslan Majid – BS (Telecom) Lab Atten.: Mr. Ayat Ullah – Matric	2. EEN222 - Computer Architecture	2. Xilinx Spartan-3 FPGA Boards with accessories like LCD, ADC, DAC	Hands-on	
		3. EEN324 - Microprocessor and Microcontrollers	3. Xilinx ISE Software Licenses	Hands-on	
		4. EEN322 - Control Systems	4. PIC Microcontroller Student kit with LCD, Prototyping boards	Hands-on	
			5. PIC PLC kits	Hands-on	
		6. PID control trainers	Demonstration		
		7. DC servo motor control trainer	Demonstration		
		8. PLC Trainer	Demonstration		
		9. Miscellaneous e.g. FPGA Evaluation Kits, Microprocessor Kits, Logic Analyzer, Sensors, Comm. Modules	Projects. R&D		
4.	Computer Simulation Lab	1. CSC101 – Intro to CS and Programming	Core i3 Computers with software like Microsoft Visual Studio, Matlab, CAD etc	Hands-on	30
	Staff: Lab Incharge: Ms. Tahira Iqbal Lab Attendant: Mr. Saif Ullah – Matric	2. CSC102 – Object Oriented Programming			
		3. CSC211 - Data Structures and Algorithms			
		4. EEN291 - Computer Aided Engineering Drawing			

5.	Communication & Signal Processing Lab	1. EEN224 - Signals and Systems 2. EEN422 - Digital Signal Processing 3. EEN312 - Communication Systems 4. EEN321 - Digital Communication 5. EEN4xx - Antennas and Radiating Systems	1. TI's TMS320C6713 Floating Point DSP Starter Kit	Hands-on	40
	Staff: Lab Incharge: Engr. Eeasha Oaj– BE (Telecom) Lab Assist: Lab Atten.: Mr. Rahim – Matric		2. Miscellaneous e.g. Fixed Point Kits, OMAP Kits, Video Processing Kits, Data Acquisition Card	Class Demonstration, Projects, R&D	
			3. Core i3 Computers with software like Microsoft Visual Studio, Matlab, Code Composer Studio etc with Audio Processing setup	Hands-on	
			4. Analog & Digital Communication Trainer with SSB Mod/Demod	Hands-on	
			5. SDR Communication Kit	Hands-on	
			6. Microstrip Trainer	Hands-on	
			7. Antenna Trainer	Hands-on	
			8. Spectrum Analyzer with Tracking Generator	Hands-on	
			9. Miscellaneous items e.g. Function Generator, DSO, AWG etc.	Hands-on	
6.	Electrical Machines and Power Electronics Lab	1. EEN225 - Electrical Machine 2. EEN413 - Power Electronics 3. EEN4xx – Industrial Electronics	1. Single-Phase Transformer Trainer with Resistive Loads	Demonstration	40
	Staff: Lab Incharge:) Engr Nouman Jadoon - BE (Electronic) Lab Asst.:		2. Three-Phase Synchronous Motor/ Generator, Induction Motor Trainer	Demonstration	
			3. PMDC Electric Motor-Generator Kit	Demonstration	
			4. DC Shunt/Series Electric Motor Kit	Demonstration	
			5. Transformer Winding	Hands on	

	Mr.Shahzad Raza – BS (Electro Lab Atten.: Mr. Rahim – Matric		6. Power Electronics (discrete components + breadboard based workstations)	Hands on	
			7. Workstations each equipped with Clamp Meter, Multimeters, Tachometer, Analog AC/DC meters, Watt-meters, Variac	Demonstration/ Hands on	
			8. Miscellaneous Electronic shop items like PCB Machine, Soldering Station, Drill machines, Hot-Air Gun, etc	Class Demonstration, Projects, R&D	

Shared Labs

S#	Name of Laboratory (Staff-Names- Qualification)	Lab(s) of Course(s) conducted in the Lab	Workstations		
			Type(s)	Nature of Experiments	No. of each type
1.	Lab 1	1. CSC101 - Intro to CS and Programming 3 2. CSC102 - Object Oriented Programming	Core i5 Computers with software like Microsoft Visual Studio, Matlab, CAD, Adobe Dreamweaver, Ms Office, Java Netbeanetc	Hands-on	40
	Staff: Lab Incharge: Ms. Sana– MSC (CS) Lab Asst.: Mr. Manan Lab Atten.: Mr.Aziz				
2.	Lab 2		Core i5 Computers with software like Microsoft Visual Studio, Matlab, CAD, Adobe Dreamweaver, Ms Office, Java Netbeanetc	Hands-on	30
	Staff: Lab Incharge: Mr. M Asif - BECE Lab Asst.: Mr. Usama Lab Atten.: Mr. Faiz				

3.	Cisco Lab	1. EEN311 - Computer Networks	Core i3 Computers with software like Microsoft Visual Studio, Matlab, CAD, Adobe Dreamweaver, Ms Office, Java Netbeanetc	Hands-on	25
	Staff: Lab Incharge: Mr. Faheem – MS (CS) Lab Asst.: Mr. Shehroz Lab Atten.: Mr.Rahim				
4	ICEPT Lab		Core i5 Computers with software like Microsoft Visual Studio, Matlab, CAD, Adobe Dreamweaver, Ms Office, Java Netbeanetc Core i5 MAC Systems	Hands-on	16 12