

ENGINEERING PROGRAM DATA

Please provide following tabulated data (program-wise) as per given format:

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	B.Sc Engineering Sciences	2010-2014	N/A

Table-II: STUDENT SUMMARY (PROGRAM-WISE)

Name of Engineering Program: B.Sc Engineering Sciences

Study Year	Batch/Enrolment Year	No. of Students	No. of Sections
1st Year	2014	72	01
2nd Year	2013	36	01
3rd Year	2012	28	01
4th Year	2011	52	01
Total		188	—

Table-III: FACULTY SUMMARY (PROGRAM-WISE)

Name of Engineering Program: B.Sc Engineering Science

	Faculty teaching Engineering Subjects				Faculty teaching Non-Engineering Subjects			
	BSc	MSc	PhD	TOTAL	BSc	MSc	PhD	TOTAL
Program Faculty (Dedicated)	—	06	03	09	—	02	06	08
Program Faculty (shared with other programs)	—	—	—	—	—	02	06	08
Shared Faculty (from other programs)	—	01	—	01	—	—	—	—
Visiting Engg. Faculty (from Industry, or other university)	—	—	—	—	—	—	—	—

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

Name of Engineering Program: B.Sc Engineering Science

A. Total students currently enrolled in the Engineering Program	188
B. Total full-time dedicated Engineering faculty members	8+3.5=11.5
Student : Teacher Ratio [A:B]	16.3

Table-V: FACULTY DETAILS RATIO (PROGRAM-WISE)

Name of Engineering Program: B.Sc Engineering Science

S#	Name	PEC #	Designation	Joining Date	Details of Qualifications			Specialization	Experience Teaching (Total) Years	Dedicated / Shared
					Degree	Year	Institution			
1	Prof. Dr. Jameel-Un Nabi	—	Professor/ Dean	26-12-2002	Ph.D.	1999	Heidelberg Univ. Germany	Computational Physics, Simulation & Astrophysics	16	Dedicated
2	Prof. Dr. S. Ikram A. Tirmizi	—	Professor Emeritus (On leave)	27-08-1994	Ph.D.	1984	Brunel University, UK	Numerical Analysis & Computing	49	Dedicated
3	Prof. Dr. Bakhadir F. Irgaziev	—	Foreign Professor	12-11-2005	Ph.D.	1976	Moscow State University, Russia	Theoretical Nuclear Physics	42	Dedicated
4	Prof. Dr. Muhammad Hassan Sayyad	—	Professor	01-08-2002	Ph.D.	1994	Dublin City University, Ireland	Lasers, Spectroscopy, Organic Materials	27	Dedicated
5	Prof. Dr. Ghulam Shabbir	—	Professor	28-08-2002	Ph.D.	2001	University of Aberdeen, UK	General Relativity	16	Dedicated
6	Prof. Dr. Habibullah Jamal	ELEC935	Professor	20-12-2012	Ph.D.	1982	University of Toronto, Canada	Computer Architecture	37	Dedicated
7	Dr. Sirajul Haq	—	Associate Professor	15-12-2004	Ph.D.	2004	University of Liverpool, UK	Analysis of Non-Local Lattice Models and Applications in Dislocation Theory, Numerical Analysis	20	Dedicated
8	Dr. M. Amer Qureshi	—	Assistant Professor	23-02-2012	Ph.D.	2012	University of Auckland,	Computational Mathematic	7 months	Dedicated

							New Zealand			
9	Engr.Dr. Tahseen Amin Qasuria	Telecommunication 3779	Assistant Professor	10-08-2012	Ph.D.	2012	GIK Institute, Pakistan	Electronic Engineering	4	Dedicated
10	Dr. Umar Hayat	—	Assistant Professor	30-12-2013	Post-Doc	2012	Dublin, UK	Mathematics	1	Dedicated
11	Engr. Sheharyar Pervez	Electro/8149	Research Associate	10-03-2010	M.S	2009	Indiana University, USA	Physics	2	Dedicated
12	Engr. Saleem Khan	Applied for Registration	Research Associate	12-12-2011	M.S	2010	Jeju National university, South Korea	Electronics Engineering	9	Dedicated (On study leave till Jan, 2016, pursuing PhD at Trento, Italy)
13	Engr. Rahim Umar	Elect/ 23310	Research Associate	23-01-2012	M.S	2011	Linnaeus University, Vaxjo, Sweden	Signal processing & wave propagation	4 Yrs. 8 months.	Dedicated
14	Mr. Shafqat Ali	—	Research Associate	24-12-2012	M.Phil	2012	QAU, Islamabad	Mathematics	2	Dedicated (On study leave till Jan, 2017, pursuing PhD at Terestee, Italy).
15	Mr. Naveed Ahmed Azam	—	Research Associate	10-01-2014	M.Phil	2012	QAU, Islamabad	Mathematics	1 Yr. 10 months.	Dedicated
16	Engr. Safiullah Khan	Tele/3303	Research Associate	22-01-2014	M.S	2013	GIK Institute, Pakistan	Electromagnetic	10 months.	Dedicated
17	Engr. Taimoor Ali	ELECT/33903	Research Associate	22-01-2014	M.S	2013	GIK Institute, Pakistan	Semiconductors devices	10 months.	Dedicated
18	Engr. Shahid Ahmad	Mech/8712	Research Associate	24-06-2014	MS	2004	University of Illinious at Urbana-Champaign	Operatoinal research	15	Dedicated
19	Engr. Fahad Nawaz	—	Research Associate	10-12-2012	M.S	2010	Friedrich Schiller University of Jena, Germany	Photonics Engineering	2	Dedicated (On study leave till 2014, pursuing PhD (Electrical) at Technical university of Madrid, Spain)
20	Engr. Jalil Ahmed	ENGG.SCI./00060	Research Associate	25-08-2014	M.S	2014	Technical University of Berlin	Photonic & Optical Communication	2 months.	Dedicated

Table-VI: LABORATORY DETAILS (PROGRAM-WISE)

Name of Engineering Program: B.Sc Engineering Science

Number of Total Engineering+Computing Courses: 36
 Number of Lab Courses: 11
 Number of Laboratories: 07

S#	Name of Laboratory (Staff Names-Qualifications)	Lab(s) of Course(s) Conducted in the Lab.	Type(s) of Workstations (No. of each type)	Nature of Experiments	No. of Workstation
1	Physics Lab 1: Engr. Asad Munir -- BE (Elect) 2: Engr, Rehan Yousaf – BE (Comp) 3: Engr, Usman – BSc (Elect) 4: Mr. Aqil Hassan, Lab. Asst – B.Tech (ET)	1 – PH101 - Mechanics	Air track system (5), tape timer (5), Projectile Launcher (5), Force Table (5), Free fall (5), rotational dynamics (9), 'g' an Blasstic pendulum (5), Compound pendulum (15), Mechanics system (5), Desktop PC (05)	Demonstration	20
		2- PH102 - Electricity and Magnetism	Analog Electronic Trainers (20), Power-supply, Signal Generator, Oscilloscope, Multimeter, Breadboard, Components (20)		20
2	Electronics Circuits Lab 1: Engr, Rehan Yousaf – BE (Comp) 2: Engr, Sana Khan – BSc (Engr Scin.) 3: Engr, Yousaf Hemani – BSc (Elect) 4: Uzair Ahamd, Lab Techn, – DAE (Elect)	1- Circuit Analysis I & II	Computers (09), Oscilloscope (13), Trainer (13), DMM (30),	Demonstration	12
		2- Microprocessor & Interfacing	Arduino Uno Borads (10), Power supplies (05), soldering gun (1), extra larger breadboard (15), single breadboard (59), double breadboard (04), universal training kit (10), microcontroller burner (10)		10
		3- Computer Architecture			10

3	Simulation Lab 1: Engr. Seerat ul Urooj -- BSc (Engr Scin.) 2: Engr, Shoaib Azam – BSc (Engr Scin.) 3: Mr. Younis Imran, Lab. Tech.	1 – Modelling & Simulation Lab	1- Desktop PC (09)	Hands-on	09
		2- Signals & Systems			
4	Semiconductor & Materials Lab 1: Engr, Usman – BSc (Elect) 2: Mr. Alif Khan, Lab. Atted	1- Semiconductor Devices	Solar cell characterization (1), Seeback effect setup (1), tesla meter (03), Power supply (05), amplifier (02), solar panel (05), transformer (03), Gauss meter (06), analoge meter (12), potentiometer (01), light intensity meter (05), Zn and Cu board (02), Cobra Interfacing + p-Si +n-Si board (01), Vibrating Sample Magnetometer (1), Power-supply (03)	Demonstration	06
		2- Solid State Electronics			
5	Optics & LASER Lab 1: Engr, Sana Khan – BSc (Engr Scin.) 2: Mr. Faulad Khan, Lab. Atted	1-Optical Engineering	Nd:YAG LASER (01), He:Ne LASER (04), Spectrum Analyzer (02), Polarization Setup (01), Michealson Interferometer (01), Diffraction grating, (04), lens (15), Optical fiber (single / multi mode).	Demonstration	07
		2-Optical Communication	CATv setup: (Transmitter (02), modulator (06), combiner (02)), optical node (02), splitters, TV tuner card (01) cameras (02), IR cameras setup (01), power amplifiers (02), photodiodes + IR		
6	Logic Design and Instrumentation Lab 1: Engr, Shoaib Azam – BSc (Engr Scin.) 2: Engr, Sana Khan – BSc (Engr Scin.) 3: Mr. Younis Imran, Lab. Tech.	1- Logic Design Lab	Desktop PC (12), Oscilloscope (16), Trainer (23), DMM (23), Soldering gun (08), Exta larger Breadborad (17).	Demonstration	12
		2- Instrumentation Lab	Delta PLCs + trainer kit (02), Omron PLCs (03), USB DAQ Cards (08),Thermocouple (04)		12

