

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	BS Mechanical Engineering Program	Intake Batches (Batch 1 to 21) Intake from 1993 to 2011	NA

Table-II: STUDENT SUMMARY (PROGRAM-WISE)

Name of Engineering Program: Mechanical Engineering

Study Year	Batch/Enrolment Year	No. of Students	No. of Sections
1st Year	2014	96	2
2nd Year	2013	103	2
3rd Year	2012	114	2
4th Year	2011	90	2
Total		403	

Table-III: FACULTY SUMMARY (PROGRAM-WISE)

Name of Engineering Program: BS Mechanical Engineering

	Faculty teaching Engineering Subjects				Faculty teaching Non-Engineering Subjects			
	BSc	MSc	PhD	TOTAL	BSc	MSc	PhD	TOTAL
Program Faculty (Dedicated)	9	9	7	25	-	-	-	-
Program Faculty (shared with other programs)	-	-	-	-	-	-	-	-
Shared Faculty (from other programs)		3	4	-	-	1	1	9
Visiting Engg. Faculty (from Industry, or other university)	-	-	1		-	-	-	-

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

Name of Engineering Program: **BS Mechanical Engineering**

A. Total students currently enrolled in the Engineering Program	403
B. Total full-time dedicated Engineering faculty members	15
Student : Teacher Ratio [A:B]	26.8:1

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

Sr. #	Name	PEC #	Designation	Joining Date	Details of Qualifications			Specialization	Experience Teaching (Total) Years	Dedicated / Shared	Cr. Hrs. taught in the Current & Last Semesters	
					Degree	Year	Institution				MS	BS
1	S M Ahmad	Engineering Council UK 579606	Dean & Associate Professor	18 Feb 2013	Ph.D	2001	Uni. of Sheffield, UK	Dynamics and Control System Engineering	14	Dedicated	03	03
2	Javed Ahmad Chattha	MECH/3362	Professor	Feb 1994	Ph.D	1990	Birmingham, UK	Thermo fluids Renewable Energy	32	Dedicated	03	06
					M. Engg	1984	AIT, Bangkok					
					BSc	1978	UET Lahore					
3	M.G. Bannikove	N/A	Professor	27 June 2000	Ph.D	1989	USSR	Heat Transfer	30	Dedicated	03	09
					M. Engg	1980	Ukraine					
					BS	1971	Tech. College USSR					
4	Dr. Ghulam Hussain	MECH/16196	Assoc. Prof	26 Feb 2015	MS Leading to PhD	2009	Nanjing Uni. of Aeronautics & Astronautics, China	Design and Manufacturing	05	Dedicatd	0	03
					BSc	2000	UET, Lahore					
5	Khalid Rehman	Pending	Assistant Professor	24 Aug 2012	Ph.D	2012	JNU, Korea	Design and Manufacturing	2.5	Dedicated	03	06
					MS	2009	JNU, Korea					
					BS	2000	GKI					
6	Taqi Ahmad Cheema	MECH/19226	Assistant Professor	15 Aug 2014	Ph.D	2014	Kyungpook National Korea	Thermo-Fluids	04	Dedicated	0	12
					MS	2009	Hanyang Korea					
					BSc	2005	UET Taxila					
7	Miraj M. Jan	MECH/12262	Associate Professor	20 Jan 2015	Ph.D	2008	University of Leoben Austria	Design and Manufacturing	04	Visiting	0	03
					MS	1998	NED University					
					BSc	1996	UET Peshawar					

8	Masab Junaid GA-3	MECH/25022	Lecturer	30 Dec 2011	MS	2011	KAUST	CFD	03	Dedicated	0	06
					BS	2009	GIKI					
9	Ahmad Abbas GA-3	MECH/24426	Lecturer	01 Aug 2012	MS	2012	GIKI	Robotics	02	Dedicated	0	07
					B.Sc	2010	UET, Peshawar					
10	Shakeel Afzal	MECH/19163	Lecturer	10 July 2013	MS	2010	Air University Islamabad	Aerospace (Solid Mechanics)	02	Study Leave	0	03
					B.Sc	2005	UET, Taxila					
11	M. Shoaib Naseem	Rec.# 7157 30/7/2013	Lecturer	28 Aug 2013	MS	2013	Beijing University China	Rocket Propulsion	01	study leave	0	03
					B.Sc	2008	UET, Lahore					
12	Mujahid Naseem	MECH/ 24489	Lecturer	30 Jan 2014	MS	2014	GIKI	Thermo Fluids	01	Dedicated	0	14
					BS	2011	HITEC Taxila					
13	Shahbaz Mehmood Khan	MECH/1229	Lecturer	4 Aug 2014	MS	2014	GIKI	Design and Manufactuirng	03	Dedicated	0	11
					BS	2012	UET Lahore					
14	Babar Khan	Applied	Lecturer	12 Jan 2015	MS	2013	Politechnico Di Torino Italy	Manufacturing and Vibration	0.4	Dedicated	0	06
					BS	2010	UET Peshwar					
15	Shoukat Alim Khan	Auto.Engg/47	Lecturer	13 Aug 2014	MS	2013	Politechnico Di Torino Italy	Design and Mufacturing	1.5	Dedicated	0	13
					BS	2011	Politechnico Di Torino Italy					
16	Ayesha Khan	MECH/24178	Lecturer	21 Aug 2014	MS	2014	GIKI	Finite Element Analysis (Bolted Joints)	0	Dedicated	0	06
					BS	2011	UET Peshawar					

Table-VI: LABORATORY DETAILSName of Engineering Program: **BS Mechanical Engineering**Number of Total Engineering + Computing Courses: **35**Number of Lab Courses: **11**Number of Laboratories: **14**

Sr. No	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 Students Per Workstation
1	Workshop (ME 101) 1. Mr. Mujahid Naseem, Instructor and Incharge (MS Mechanical Engineering) 2. Engr. Noman Iqbal (BS Mechanical Engineering) 3. Mr. Noor Rahmat (DAE Mechanical) 4. Mr. Mujahid Shah (Matric) 5. Mr. Waqas Ahmad (Matric) 6. Mr. Muhammad Farooq (Matric)	Workshop Practice (ME 101) Mechanical Workshop	Lathe Machine (10)	Hand-on	1
			Milling Machine (5)	Hands-on	2 to 3
			Shaper Machine (2)	Hands-on	3 to 4
			Bench Work (Cutting, filing) (40)	Hands-on	1
			Drilling Machines (2)	Hands-on	1
			Gas Welding Plant	Demonstration	4 to 5
			Arc Welding Machine	Demonstration	4 to 5
2	Engineering Graphics (ME 102) 1. Mr. Shahbaz Mahmood Khan (MS Mechanical) 2. Mr. Shoukat Alim Khan I (MS Mechanical Engineering) 3. Mechanical Engineering) 4. Engr. Tayyab (BSc Mechanical Engineering) 5. Engr. Muhammad BS Mechanical Engineering) 6. Engr. Tayyab (BS Mechanical Engineering) 7. Engr. Sohail Gohar BS Mechanical Engineering) 8. Engr. Mohammad Shakeel BS Mechanical Engineering)	Engineering Graphics (ME102) Drawing Lab, PC Lab	Drawing Boards (40)	Hands-on	1
			Core i5(40) Corei7(40)	Hands-on	1

3	Mechanical Engineering Lab-I (ME 241) 1. Mr. Shoaib Naseem (MS Mech. Engineering) 2. Engr. Muhammad Usman Javaid (BS Mechanical Engineering) 3. Engr. Tanveer Ranjah 4. Mr. Azmat Hussain (DAE Mechanical)	1. Mechanical Engineering Lab-I (ME241) 2. Statics (ME211) Solid Mechanics Lab	Vernier Calipers (3)	Hands-on	1
			Screw Gauges(3)	Hands-on	1
			Dial Test Indicator (2)	Hands-on	1
			Height gauge (1)	Hands-on	1
			Drum brake mechanism (1)	Demonstration	4
			Disc brake mechanism (1)	Demonstration	
			Clutch friction mechanism (1)	Hands-on	4
			Belt friction mechanism (1)	Hands-on	4
			Friction and the inclined plane (1)	Hands-on	4
			3D forces measurement (1)	Hands-on	4
			Load distribution in beams (1)	Hands-on	4
			Room truss (1)	Hands-on	4
			Derrick crane (1)	Hands-on	4
			Temperature measurement bench (1)	Hands-on	4
Hydraulic bench (1)	Hands-on	4			
4	Mechanical Engineering Lab-II: (ME 242) 1. Mr. Shoukat Alim Khan (MS Mech. Engineering) 2. Engr. Muhammad Usman Javaid (BS Mechanical Engineering) 3. Engr. Faheem (BSc Mechanical Engineering) 4. Mr. Azmat Hussain (DAE Mechanical)	1. Dynamics (ME 212) 2. Mechanics of Solids (ME 213) Solid Mechanics Lab	Gyroscope (1)	Hands-on	5 to 6
			Torsion tooter(1)	Hands-on	5 to 6
			Creep measurement(1)	Hands-on	5 to 6
			Angular Momentum Apparatus(1)	Hands-on	5 to 6
			Thin cylinder apparatus(1)	Hands-on	5 to 6
			Strain gauge calibration(2)	Hands-on	5 to 6
			dynamic carts (4)	Hands-on	5 to 6
			Pulleys (6)	Hands-on	5 to 6
			Centrifugal Force apparatus (1)	Hands-on	5 to 6
5	Mechanical Engineering lab-III (ME 343) 1. Mr. Ahmad Abbas (MS Mechanical Engineering) 2. Engr. Safeer Khan (BSc Mechanical Engineering) 3. Engr. MuzammalSajid (BS Mechanical Engineering) 4. Mr. Shah Nawaz (DAE Mechanical)	1. Fluid Mechanics-I (ME321) 2. Thermodynamics-II (ME332) Fluid Mechanics Lab Heat Engine Lab	Venturi meter (1)	Hands-on	4 to 6
			Hydrostatic Bench (1)	Hands-on	4 to 6

			Hydraulic Bench with rectangular and triangular weirs (1)	Hands-on	4 to 6
			Jet Apparatus (1)	Hands-on	4 to 6
			Orifice and Jet Apparatus (1)	Hands-on	4 to 6
			Free and Forced Vortex Setup (1)	Hands-on	4 to 6
			Losses in Bends Apparatus (1)	Hands-on	4 to 6
			Computer controlled fluid friction in pipes and valves apparatus (1)	Hands-on	4 to 6
			Combustion Apparatus (1)	Hands-on	4 to 6
6	Mechanical Engineering Lab-IV (ME 344) 1. Mr. Mujahid Naseem (MS Mech. Engineering) 2. Engr. NomanIqbal (BS Mechanical Engineeirng) 3. Engr. Nasib Akram (BS Mechanical Engineeirng) 4. Mr. AsimShahzad (DAE Mechanical) 5. Mr. Khurshid Khan (DAE Mechanical) 6. Mr. Jamil ur Rahman (Matric) 7. Mr. M. Adil (Middle)	1. Heat Transfer (ME333) 2. Manufacturing Technology (ME351) Heat Transfer Lab CNC Lab	Temperature Measurement Bench (1)	Hands-on	3 to 4
			Heat Conduction Apparatus (For Solids)(1)	Hands-on	3 to 4
			Thermal Conductivity of Liquid and gases (1)	Hands-on	3 to 4
			Thermal Radiation Bench (1)	Hands-on	3 to 4
			Free and Forced Convection Apparatus (1)	Hands-on	3 to 4
			Concentric Tube Heat Exchanger (1)	Hands-on	3 to 4
			Laminar/Viscous Flow Heat Exchanger (1)	Hands-on	3 to 4
			Film and Drop wise Condensation Unit (1)	Hands-on	3 to 4
			Computer Linked Cross Flow Heat Exchanger (1)	Hands-on	3 to 4
			CNC Lathe and CNC milling	Programming	3 to 4

7	Mechanical Engineering Lab V: (ME 445) 1. Mr. ShahbazMehmood Khan (MS Mechanical Engineering) 2. Engr. Faheem Ahmad (BS Mechanical Engineering) 3. Engr. Haroon Ahmad Khan (BS Mechanical Engineering) 4. Mr. AsimShahzad (DAE Mechanical) 5. Mr. Shah Nawaz (DAE Mechanical) 6. Mr. Azmat Hussain (DAE Mechanical)	1. Fluid Mechanics-II (ME422) 2. Thermodynamics-II (ME332) Automobile Lab Heat Engine Lab Refrigeration and air conditioning lab Sub Sonic Wind Tunnel Lab.	Air-Conditioning Unit (1)	Hands-on	3 to 4
			Recirculation Unit (1)	Hands-on	3 to 4
			Refrigeration Unit (1)	Hands-on	3 to 4
			Air Flow Test Rig (1)	Hands-on	3 to 4
			Boundary Layer Apparatus (1)	Hands-on	3 to 4
			Subsonic WindTunnel (1)	Hands-on	3 to 4
			PeltonWheel Turbine (1)	Hands-on	3 to 4
			Francis Turbine (1)	Hands-on	3 to 4
			Gas Turbine (1)	Hands-on	3 to 4
			Multi-Pump Test Rig (1)	Hands-on	3 to 4
			Compressible Flow Apparatus (1)	Hands-on	3 to 4
			Boiler Technology Simulator (1)	Simulation	3 to 4