

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.Mechanical Engineering		2013-onward

Table-II: STUDENT SUMMARY (PROGRAM-WISE)

Name of Engineering Program: B.Sc. Mechanical Engineering

Study Year	Batch/Enrolment Year	No. of Students	No. of Sections
1st Year	2014	40	1
2nd Year	2013	50	1
3rd Year			
4th Year			
Total:		90	2

Table-III: FACULTY SUMMARY (PROGRAM-WISE)

Name of Engineering Program: B.Sc. Mechanical Engineering

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

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

Name of Engineering Program: B.Sc. Mechanical Engineering

A. Total students currently enrolled in the Engineering Program	90
B. Total full-time dedicated Engineering faculty members	1
Student : Teacher Ratio [A:B]	

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

Name of Engineering Program: B.Sc. Mechanical Engineering

S#	Name	PEC #	Designation	Joining Date	Details of Qualifications			Specialization	Experience Teaching (Total) Years	Dedicated / Shared
					Degree	Year	Institution			
1	Engr.Nasir Mehdi Gardezi	Mech/10400	Asstt.Professor & Head of Department	15-09-2000	Ph.D.				14	Dedicated
					MS	2008	UET,Lahore	Thermal power		
					BS	1992	UET,Lahore			
2			Assistant Professor		Ph.D.					
					MS					
					BS					
					M.S					
					B.Sc.					
3			Lecturer		M.Sc					
					B.Sc.					

Table-VI: LABORATORY DETAILS (PROGRAM-WISE)

Name of Engineering Program: B.Sc. Mechanical Engineering

Number of Total Engineering+Computing Courses: 7+1

Number of Lab Courses: 12

Number of Laboratories: 08

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	Engg. Workshop Lab 1:Mr kazim raza Lab Engr. BE (Mech) 2:Mr. Abdul karim Lab. Asst DAE (Mech) 3:Mr. Asghar Lab Attend.(FA)	1-Lathe operations 2-Drilling 3-Filing 4- Forging operation 5-Electric circuits etc	1-Lathe Machine	Practice	1
			2-Drilling Machine	Practice	1 to 2
			3-Bench vice	Practice	3 to 4
			4- Forging apparatus	Practice	1 to 2
			5-Electric wiring	Practice	1 to 2
2	Computer fundamental Lab 1:Mr M.Afzal. Lab Engr. MS(CSE) 2:Mr. Malik Hayat Lab. Asst DAE () 3:Mr.Imran Bhatti Lab Attend.(FA)	1- Languages	Computers	Programming	1 to 35
		2-Programming			
3	Engg.Mechanics lab 1:Mr.Amir sultan Lab Engr. BSC (Mech) 2:Mr. Mureed Abbas Lab. Asst (Msc) 3:Mr.Asad Abbas Lab Attend.	1-coff.of friction	Sliding surface, cord & drum apparatus	Practice	1 to 2
		2-Value of g	Bifiller suspension method	Practice	1 to 2
		3-Principle of moment	Disc apparatus, Bent lever	Practice	1 to 2
		4-Hook's law	Hook's law apparatus	Practice	2 to 3

		5-Efficiency of screw jack.	Screw jack apparatus, worm and worm wheel apparatus	Practice	2 to 3
4	Thermodynamics Lab 1:Mr M.Umais. Lab Engr. BE (Mech) 2:Mr. M.Najeeb Lab. Asst (BSC) 3:Mr.Imtiaz Lab Attend.	1-Inverse square law	Light apparatus	Demonstration	1 to 2
		2-thermal expansion coefficient	Thermal expansion apparatus	Practice	1 to 2
		3-thermal radiation coefficient	Thermal radiation apparatus	Practice	1 to 2
		4-thermal conductivity	Steam chamber	Practice	1 to 2
		5-verification of Brayton cycle	Gas Turbine	Demonstration	1 to 2
5	Fluid Mechanics Lab 1:Mr M.Umais. Lab Engr. BE (Mech) 2:Mr.Afzal sajid Lab. Asst (BSC) 3:Mr.M Ashraf Lab Attend.	1-Verification of Bernouli's equation	Venturi Metre Apparatus	Practice	1
		2-Calculation of Reynolod no's	Reynolod's no.'s Apparatus	Practice	1
		3-Impact Velocity	Pitot of tube Apparatus	Practice	1
		4Efficiency, cavitation of pump	Centrifugal Pump	Practice	1 to 2
		5-Head losses	Pipe bending Apparatus	Practice	1 to 2
6	Mechanics of Material Lab 1:Mr Tasmiya. Lab Engr. BE (Mech) 2:Mr. Mureed Abbas Lab. Asst (Msc) 3:Mr.Asad Abbas Lab Attend.	1-Modulus of elasticity	Modulus of Elasticity Apparatus	Practice	1 to 2
		2-Modulus of Rigidity etc	Modulus of Rigidity Apparatus		
		3-Deflection in simply supports Beam	Beam Apparatus	Practice	1 to 2
		4- Deflection in fixed end Beam			
		5- Young's Modulus etc	Young's Modulus Apparatus	Practice	1 to 2
6	Manufacturing Process Lab 1:Mr.Uzair Sajjad Lab Engr. MSC (Mech) 2:Mr. Abdul karim Lab. Asst DAE (Mech) 3:Mr. Asghar Lab Attend.(FA)	1-Spot Welding	Welding Apparatus	Practice	1 to 2
		2-Electric arc welding etc			
		3-Injection molding	Molding Apparatus	Practice	1 to 2
		4-Extrusion			

		Molding			
		5-Sand casting	Casting Apparatus	Practice	1 to 2
7	Drawing Hall 1:Mr kazim raza Lab Engr. BE (Mech) 2:Mr.Saadat Qayom Asst DAE (Mech) 3:Mr. Asad Abbas Lab Attend.(FA)	1-Lettering	Drawing Tables and Instruments	Practice	1 to 35
		2- U block.V-block			
		3- Crankshaft			
		4-Bearings			
		5-Nut & Bolts			
8	Electrical Engg Lab. 1:Mr.Usman Tariq Lab Engr. BSC (Elect) 2:Mr. Abdul Ghaffar Lab. Asst (Msc) 3:Mr.Altaf Hussain Lab Attend.	1-Parallel &Series circuit	Ohm's Law Apparatus	Practice	2 to3
		2- RL,RC circuit	RLC circuit Apparatus	Practice	2 to3
		3- RLC circuit	RLC circuit Apparatus	Practice	2 to 3
		4-Ohm's Law	Ohm's Law Apparatus	Practice	2 to 3