

TEMPLATE – A: PhD Faculty Details

Degree Program Title: MSC MECHANICAL ENGINEERING											
SR #	Name & Designation	BPS / TTS / Adjunct / Visiting	Courses Allocated	Basic Degree	MS/MPhil or Equivalent Degree	PhD Degree Status	Research Area (based on key words given in published articles & books) [annex scatter plot of most frequently occurring key words]	Experience		No. of Students being Supervised	
				Title & Subject Area [provide transcripts]	Title & Subject Area [provide transcripts]	Title & Subject Area [provide transcripts]		Teaching	Other	Ph.D.	M.Phil./MS
1	Dr Nasir Hayat	BPS	Mechanics of Materials I Theory of Plasticity	BSc Mechanical Engineering	MSc Engineering Manufacturing and Development technologies	Doctor of Engineering Production Systems	Fatigue, cast alloys, mechanical properties	24	4	4	5
2	Prof Dr Tauseef Aized	BPS	Operations Management	BSc Mechanical Engineering	M.Sc. Mechanical Engineering	PhD Mechanical Engineering	Manufacturing, Energy	28	2	3	6
3	Prof. Dr. Asad Naeem Shah	BPS	Heat and Mass Transfer (HMT)	BSc Mechanical Engineering	MSc Mechanical Engineering (Thermal Power)	PhD Mechanical Engineering (Power Machinery)	I.C Engine (Diesel Engine Exhaust Emissions)	21 Years	09 Months	3	6
4	Dr Muhammad Asif Qureshi	BPS	Mechanics of Materials-2, Advanced Mechanics of Materials, Finite Element Analysis	BSc Mechanical Engineering	MSc Mechanical Engineering	PhD Engineering	Mechanics of Materials, Mechanics of Composite Materials, Engineering Design, Manufacturing Engineering	26	--	1	10
5	Dr. Amjad Hussain	BPS	Industrial Management Systems, Total Quality Management, Engineering Optimization	BSc Mechanical Engineering	MSc Manufacturing Engineering	PhD in Mechanical and Manufacturing Engineering	Operations Management, Human Factors (Ergonomics), Industry 4.0, Disaster Operations Management, Resilience, Supply Chain Management, Industrial Systems Design	14	18	1 (passed) 5 (currently in progress)	12 (passed) 1 (in process)
6	Dr. Ghulam Moeen ud Din	BPS	Manufacturing Processes/Design and Manufacturing 1	BSc Industrial and Manufacturing Engineering	MSc CAD CAM	PhD Mechanical Engineering	Micro/Nano manufacturing, Artificial Intelligence	13 Years	4 Years	2	

7	Dr. Ali Hussain Kazim	BPS	Wind Energy System	BSc Mechanical Engineering	MSc Thermal Power Engineering	PhD Mechanical Engineering	Heat transfer, Energy Conversion	11 years	2 years	1	9
8	Dr. Muhammad Asim	BPS	Power Plants/ HVAC systems	B.Sc. Mechanical Engineering	M.Sc Sustainable Energy Systems	PhD Solar power air conditioning	Solar energy, building energy, energy management,	14 years	5 years	nil	10
9	Dr. Awais Ahmad Khan	BPS	Machine Tool & Machining, Metrology and Quality Assurance	BSc Mechanical Engineering	MSc Manufacturing Engineering	PhD Industrial Engineering	Engineering Design, Manufacturing, Engineering Management, Optimization	12	8	1	10
10	Dr. Muhammad Mahmood Aslam Bhutta	BPS	FEA Lab Modelling And Simulation	BSc Mechanical Engineering	MSc Mechanical Engineering	PhD Mechanical Engineering (Complete)	Internal Combustion Engine. CFD Application on Mechanical Engineering Systems. Renewable Energy resources	21	11	2	2
11	Dr. Muhammad Usman	BPS	HVAC, Thermal Power Systems	BSc Mechanical Engineering	MSc Thermal Power Engineering	PhD Mechanical Engineering	Alternative Energy Sources: Recovery, Utilization and Environmental Sustainability. Power Systems; Tribology & Materials	12	-	-	8
12	Dr. Naseer Ahmad	BPS	1- Instrumentation and Control. 2. Vehicle Dynamics 3. Mechanics of Materials (Lab).	BSc Mechanical Engineering	MSc Mechatronics Engineering	PhD Mechanical Engineering.	Vector Mechanics. Dynamics and Embedded Controls. Design Optimization	21 years	no	0	7
13	Dr. Jafar Hussain	BPS	Machine Design & CAD-II Chassis Design Control and Reliability Engineering	BSc Mechanical Engineering	MSc Thermal Power Engineering	PhD Mechanical Engineering	Mechanical Engineering Systems FEA	12 years		0	1
14	Dr. Jawad Sarwar	TTS	FEA	B.Sc. Mechanical Engineering	M.Sc. Computational Engineering	PhD Solar Energy	high concentrated solar energy, fluid dynamics, thermal energy storage and functional materials with applications in solar thermal, thermochemical, and	12 Years	4 Years	Nil	10

							photovoltaic systems				
15	Dr Jamal Umer	BPS	Mechanics of Machines, Theory of Machines, Theory of Elasticity, Advanced Mechanical Vibrations, Thermodynamics , Vehicle Tribology	BSc Mechanical Engineering	MSc Mechanical Engineering	PhD Mechanical Engineering	Tribology, Nanoscale characterization, Contact Mechanics, Optimization, Microscopy, Corrosion	12 years		1 in process	3 in process
16	Dr. Hasan Izhar Khan	BPS	Automotive Air Conditioning	B.Sc. Mechanical Engineering	M.Sc. Power Engineering	Ph.D. Thermal Engineering	Corrosion, Stress Corrosion Cracking, Corrosion Fatigue, Corrosion Creep	10 Years	3 Months	0	4 (In process)
17	Dr. Muhammad Zubair Sheikh	BPS	Finite Element Analysis Lab Thermodynamics Lab Design and Manufacturing-I Lab	BS Aerospace Engineering	MS Mechanical Engineering	PhD Mechanics	Computational Fluid Dynamics Multiphase Flow	7 years		0	0
18	Dr Zia ul Rehman Tahir	BPS	Advanced Mechanical Vibration, Communication Skills, Introduction to Computing for Data Science	B.Sc. Mechanical Engineering	M.Sc. Mechanical Design Engineering	Ph.D. Mechanical Engineering	Buckling of thin cylindrical shells under axial compression	18	Nil	2	8
19	Dr Muhammad Waqar Nasir	BPS	1- Material and Manufacturing 2- Mechanics of Materials 3- Industrial materials 4-Failure analysis of engineering materials	BSc Mechanical Engineering	MSc Mechanical Design Engineering	PhD Mechanical Engineering	Continuum mechanics Theory of plasticity Sheet metal forming Material modelling Mechanics of Materials	6 years	1 years	Nil	Nil

20	Dr. Syed Nadeem Abbas Shah	BPS	Hybrid Energy Systems	BSc Mechanical Engineering	MSc Mechanical Engineering	PhD Mechanical Engineering (Energy)	Nanofluids, Heat Transfer, Solar Thermal, Energy Materials etc.	9	06 months	Nil	Nil

Registrar

Dean

Director QEC

Vice Chancellor/Rector/Head of Institute