

Manpower Request for Eight Centers of Excellence of ASTU

1. Name of CoE: Space Technology Institute (STI)

NO	Field of Specialization	Degree	Academic Rank	Experience	No required
1	Aerospace Engineering	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	1
2	Aerospace Engineering	MSc	Lecturer	0 year	1
3	Electrical Engineering	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	1
4	Electrical Engineering	MSc	Lecturer	0 year	1
5	Telecommunication	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	1
6	Telecommunication	MSc	Lecturer	0 year	1
7	Computer Science	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	2
8	Computer Science	MSc	Lecturer	0 year	2
9	Mechanical Engineering	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	2
10	Mechanical Engineering	MSc	Lecturer	0 year	2
11	Automatic Control	PhD	Assistant Professor	A minimum of 2 year teaching/research/professional experience	1
12	Automatic Control	MSc	Lecturer	0 year	1
Total					16

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2. Name of CoE: Institute of Pharmaceutical Science (IPS)

Table 1: Vacancy for Researcher

S N	Department /Lab	Academic rank	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
01	Molecular Biology	Assistant Professor	01	Stem cell Biology	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/Course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Associate Professor	01	Immunology	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Assistant Professor	01	Molecular Biology	PhD . with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
02	Microbiology	Associate Professor	01	Applied Microbiology	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry.
		Assistant Professor	01	Molecular virologist	PhD , post-doctoral with publications in reputed journals and referred conferences	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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S N	Department /Lab	Academic rank	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
03	Natural Products Chemistry	Associate Professor	01	Natural Products	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/ course development and other recognized relevant professional activities.	A minimum of 4 years teaching/research/professional Experience, of which at least 4 years should be at the level of Associate Professor in an academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	Biomimetic	PhD , Post-Doctoral, With publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience, of which 4 years should be at the level of Assistant Professor, Senior Scientific Officer/Senior Engineer in a research organization or industry.
		Assistant Professor	01	Biosynthetic Chemistry	PhD . with consistently good academic record throughout with publications in reputed journals and referred conferences.	2 years industrial/research/teaching experience after completing PhD.
04	Medicinal chemistry	Associate Professor	01	Medicinal Chemistry	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/course development and other recognized relevant professional activities.	A minimum of 4 years teaching/research/professional experience, of which at least 4 years should be at the level of Associate Professor in an academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	Computational Chemistry	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Assistant Professor	01	Bio Nano Chemistry	PhD . with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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S N	Department /Lab	Academic rank	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
05	Pharmacology	Assistant Professor	01	Health Biotechnology	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Assistant Professor	01	Biochemistry	PhD , with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Assistant Professor	01	Drug Delivery	PhD in Drug Delivery, with good academic records and publication on reputable international Journals	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Assistant Professor	01	Pharmacological and nutrition	PhD within nutritional or nutritional bioactive ingredients on gastrointestinal or respiratory health with MSc background in pharmacology	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
06	Pharmaceutics	Assistant Professor	01	Pharmaceutics	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/ course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	BioPharmaceutics	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
07	Bioinformatics	Assistant Professor	01	Bioinformatics	PhD in bioinformatics with publications in reputed journals and referred conferences	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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Table 2: Vacancy for Research Assistants

SN	Department /Lab	Specialization Area	Level of qualification	Academic rank	No. of required	Experience	Remark
1	Microbiology	In Lab Technologist	BSc	Senior Academic & Research Assistant	1	4 years & above	Experience in the microbiology and molecular biology and molecular biology labs of research institutes or pharmaceutical industry willing to work in all kinds of medical laboratory tests and procedure
2	Natural Products	Applied Chemistry or related	BSc	Senior Academic & Research Assistant	1	4 years & above	Experience in industry (pharmaceutical industry)/ research or teaching institutes, Willing to work in all kinds of laboratory tests and procedure
3	Pharmacology	Pharmacognosy	MSc	Chief Academic & Research Assistant I	1	2 years & above	Published one laboratory manual and one research article published in a famous journal
		Biotechnology	MSc	Chief Academic & Research Assistant I	1	2 years & above	Published one laboratory manual and one research article published in a famous journal
4	Artificial intelligence	Computer Science	MSc	Chief Academic & Research Assistant I	1	2 years & above	Published one laboratory manual and one research article published in a famous journal

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3. Name of CoE: Institute for Water Resource and Irrigation Engineering (IWRIE)

No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
1.	Hydrology and Water Resources Management	Ph.D., Associate Professor and above	01	Hydrology and water resources	4 years and Above	Surface Water and Groundwater Hydrology/ Hydrologic Extremes/ Operational, Geospatial, and Isotop Hydrology/Eco-Hydrology/Socio-Hydrology/ Bathymetric Survey and Lake Water Balance Estimation/ Integrated Water Resources Management/ Hydrologic Modeling/GIS and RS Application for Water Resources Engineering/Good Publication Record in the Area of WRE	Preferably M.Sc. in GIS and RS/water resources engineering/engi neering hydrology
		Ph.D., Assistant Professor	01	Water resources engineering	2 years and Above	Surface Water and Groundwater Hydrology/ Hydrologic Extremes/ Operational, Geospatial, and Isotop Hydrology/Eco-Hydrology/Socio-Hydrology/ Bathymetric Survey and Lake Water Balance Estimation/ Integrated Water Resources Management/ Hydrologic Modeling/GIS and RS Application for Water Resources Engineering/Good Publication Record in the Area of WRE	Preferably M.Sc. in GIS and RS/water resources engineering/engi neering hydrology
		M.Sc., J/Researcher	01	Hydrology and Water Resources Management	0 year and Above		B.Sc., in Water resources engineering

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No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
2.	Irrigation and Drainage Engineering	Ph.D., Associate Professor and above	01	Irrigation and drainage engineering	4 years and Above	Irrigation Potential Assessment/ Irrigation Project Study, Design and Construction/ Operation and Maintenances of Irrigation and Drainage Systems/ Water Allocation and Reservoir Operation/ Flow Control and Regulation/ Performance Evaluation and Improvement of Irrigation/ Rehabilitation and Modernization of Irrigation Systems/ Irrigation Efficiency and Productivity Improvement/ Optimization of Irrigation Scheduling/ Enhancing Sustainability of Irrigation Schemes/ Irrigation Technologies/Good Publication Record in the Area of WRE	Preferably M.Sc. in Irrigation Engineering/Water Resources and Irrigation Engineering
		Ph.D., Assistant Professor	01	Irrigation and drainage engineering	2 years and Above	Irrigation Potential Assessment/ Irrigation Project Study, Design and Construction/ Operation and Maintenances of Irrigation and Drainage Systems/ Water Allocation and Reservoir Operation/ Flow Control and Regulation/ Performance Evaluation and Improvement of Irrigation/ Rehabilitation and Modernization of Irrigation Systems/ Irrigation Efficiency and Productivity Improvement/ Optimization of Irrigation Scheduling/ Enhancing Sustainability of Irrigation Schemes/ Irrigation Technologies/Good Publication Record in the Area of WRE	Preferably M.Sc. in Irrigation Engineering/Water Resources and Irrigation Engineering
		M.Sc., J/Researcher	01	Irrigation engineering	0 year and Above		B.Sc., in Water resources engineering

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No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
4	Hydraulic and Hydropower Engineering	Ph.D., Associate Professor and above	01	Hydraulic and Hydropower Engineering	4 years and Above	Hydraulic Engineering/ Design of Hydraulic Structures/ Hydraulic Modeling/ Sediment transport and environmental management/Disaster management plan of Hydroelectric Projects/Performance evaluation of river training and protection works/River flow and sediment transport modeling/River bank protection and stormwater drainage design/Water, energy and sediment budgeting/Hydrodynamics of alluvial channel with seepage/Simulation of dam break flow analysis in natural flood plain topography/Water Management and Innovations/ Hydropower Economics, Market Trends and Strategies/ Hydropower Project Implementation, Management and Operation/ Simulation and Optimization Tools/ Environmental, Geopolitical and Societal Aspects/Good Publication Record in the Area of WRE	Preferably M.Sc. in Hydraulic engineering/ Hydraulic and Water Resources Engineering
		Ph.D., Assistant Professor	01	Hydraulic engineering	2 years and Above	Hydraulic Engineering/ Design of Hydraulic Structures/ Hydraulic Modeling/ Sediment transport and environmental management/Disaster management plan of Hydroelectric Projects/Performance evaluation of river training and protection works/River flow and sediment transport modeling/River bank protection and stormwater drainage design/Water, energy and sediment budgeting/Hydrodynamics of alluvial channel with seepage/Simulation of dam break flow analysis in natural flood plain topography/Water Management and Innovations/ Hydropower Economics, Market Trends and Strategies/ Hydropower Project Implementation, Management and Operation/ Simulation and Optimization Tools/ Environmental, Geopolitical and Societal Aspects/Good Publication Record in the Area of WRE	Preferably M.Sc. in Hydraulic engineering/ Hydraulic and Water Resources Engineering

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No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
5.	Water Supply and Sanitary (Environmental) Engineering	Ph.D., Associate Professor and above	01	Water Supply and Sanitary/Environmental Engineering	4 years and Above	Modelling Water Distribution Systems/Sewerage and Urban Drainage Systems Engineering/Water and Wastewater Treatment and Process design/ Industrial Wastewater Management/Wastewater Reuse and Resource Recovery/ Water Supply Systems Engineering and Management/Innovative supply enhancing technologies/Sanitation/Design and optimization of low cost waste management technology/Removal of trace pollutants/emerging pollutants using bio-sorbents and nano-adsorbents/Developing wastewater minimization strategies/Drinking water distribution systems/Low cost water treatment technologies for surface water treatment/Environmental Protection and Management/ Hygiene Behavior or Hygiene Education/ Good Publication Record in the Area of WRE	Preferably M.Sc. in Environmental Engineering/Water Resources and Environmental Engineering/Water Supply and Environmental Engineering/Water Supply and Sanitary Engineering
		Ph.D., Assistant Professor	01	Water Supply and Sanitary/Environmental Engineering	2 years and Above	Modelling Water Distribution Systems/Sewerage and Urban Drainage Systems Engineering/Water and Wastewater Treatment and Process design/ Industrial Wastewater Management/Wastewater Reuse and Resource Recovery/ Water Supply Systems Engineering and Management/Innovative supply enhancing technologies/Sanitation/Design and optimization of low cost waste management technology/Removal of trace pollutants/emerging pollutants using bio-sorbents and nano-adsorbents/Developing wastewater minimization strategies/Drinking water distribution systems/Low cost water treatment technologies for surface water treatment/Environmental Protection and Management/ Hygiene Behavior or Hygiene Education/ Good Publication Record in the Area of WRE	Preferably M.Sc. in Environmental Engineering/Water Resources and Environmental Engineering/Water Supply and Environmental Engineering/Water Supply and Sanitary Engineering
6		M.Sc., J/Researcher	01	Water supply and sanitary engineering	0 year and Above		B.Sc., in Water Supply and Environmental Engineering/Water Supply and Sanitary Engineering

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4. Name of CoE: Advanced Material Science and Engineering (CAMSE)

Field of Specialization	Academic Rank	Experience	Degree	No. of required
Textile/ Polymer Processing	Assistant Professor and above	Textile/Polymer Processing R&D Experiences at least 2 year and above	PhD in Textile, Polymer, Materials, Chemical, & Mechanical Engineering	2
Ceramics/ Minerals Processing		Ceramics/Minerals Processing R&D Experiences at least 2 year and above	PhD in Mining, Ceramics, Minerals, Materials, Chemical, & Mechanical Engineering	2
Metal/Mining Processing		Metal Processing R&D Experiences at least 2 year and above	PhD in Mining, Metallurgy, Materials, Chemical, & Mechanical Engineering	2
Materials Science and Engineering	ARA and above	Materials Science and Engineering 0 year and above	BSc (or MSc) in Materials Science and Engineering	14

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5. Name of CoE: Transportation and Vehicle Engineering (CTVE)

No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
1.	Vehicle Dynamics Analysis Lab	Ph.D., Assistant Professor and Above	01	Automotive or Mechanical Engineering	2 years and Above	Vehicle Dynamics Automotive Manufacturing System Dynamics Computer Aided Design Electric Vehicle Expert	Preferably Experiences Years 2 years and Above
		M.Sc., Lecturer and Above	04	Automotive or Mechanical or System Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering System Engineering	Automo/Mecha :3 System:1
		BSc., ARA and Above	03	Automotive or Mechanical or Electrical Engineering	0 year and above	Automotive Engineering Mechanical Engineering	Automo/Mecha :3
2.	Dynamometers Test Lab	Ph.D., Assistant Professor and Above	01	Automotive or Mechanical Engineering	2 years and Above	Vehicle Dynamics Automotive Manufacturing System Dynamics Computer Aided Design Electric Vehicle Expert	Preferably Experiences Years 2 years and Above
		M.Sc., Lecturer and Above	03	Automotive or Mechanical or System or Electrical Engineering	0 years and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering System Engineering	Automo/Mecha :1 System:1 Electrical:1
		BSc., ARA and Above	03	Automotive or Mechanical or Electrical Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering	Automo/Mecha :2 Electrical:1

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No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
3.	Vehicle Electrical and Electronics Systems Lab	Ph.D., Assistant Professor and Above	01	Electrical or Electronic Engineering	2 years and Above	Electric Vehicle Expert Electrical Engineering	Preferably Experiences Years 2 years and Above
		M.Sc., and Above	04	Electrical or Electronic or Computer or Mechanical or System Engineering	0 year and Above	Electrical/Electronic Engineering System Engineering Mechanical Engineering	System:1 Electrical:1 Electronic: 1 Mechanical: 1
		BSc., ARA and Above	04	Electrical or Electronic or Computer or Mechanical Engineering	0 year and Above	Electrical/Electronic Engineering System Engineering Mechanical Engineering	System:1 Electrical:1 Electronic: 1 Mechanical: 1
4.	Vehicle Design and Simulation Lab	Ph.D., Assistant Professor and Above	01	Automotive or Mechanical or Electrical or Simulation Engineering	2 years and Above	Vehicle Dynamics System Dynamics Computer Aided Design Simulation Engineering	Preferably Experiences Years 2 years and Above
		M.Sc., Lecturer and Above	04	Automotive or Mechanical or System or Electrical or Simulation Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering System Engineering Simulation Engineering	Computer :1 System:1 Electrical:1 Simulation: 1
		BSc., ARA and Above	04	Automotive or Mechanical or Electrical Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering Simulation Engineering	Computer :1 System:1 Electrical:1 Simulation: 1

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No.	Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)	Remark
5.	Transportation and Future Mobility Lab	Ph.D., Assistant Professor and Above	01	Transportation or Mechanical or Electrical or Mobility Engineering	2 years and Above	Transportation Engineering Communication/Computer Engineering Electric Vehicle Expert Future Mobility Expert	Preferably Experiences Years 2 years and Above
		M.Sc., and Above	04	Transportation or Mechanical or Electrical or Mobility Engineering	0 year and Above	Transportation Engineering Communication/Computer Engineering System Engineering Electric Vehicle Engineering	Transportation :1 System:1 Electrical:1 Computer: 1
		BSc., ARA and Above	04	Transportation or Mechanical or Electrical or Mobility Engineering	0 year and Above	Transportation Engineering Communication/Computer Engineering System Engineering Electric Vehicle Engineering	Transportation :1 communication:1 Electrical:1 Computer:1
6	Vehicle Chassis and Body Lab	Ph.D., Assistant Professor and Above	01	Automotive or Mechanical Engineering	2 years and Above	Chassis and Body Expert Automotive Manufacturing Computer Aided Design Electric Vehicle Expert	Preferably Experiences Years 2 years and Above
		M.Sc., and Above	04	Automotive or Mechanical or System or Electrical Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering System Engineering	Automo/Mecha :2 System:1 Electrical:1
		BSc., ARA and Above	03	Automotive or Mechanical or Electrical Engineering	0 year and Above	Automotive Engineering Mechanical Engineering Electrical/Electronic Engineering	Automo/Mecha :2 Electrical/Electronic:2

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6. Name of CoE: Electrical Systems and Electronics (CESE)

No.	Department/Research Unit	Academic Rank	No. of required	Specialization	Minimum Experience Years	Experience (Teaching, Research and Industry)
1.	Power and Control Energy System	Ph.D., Assistant Professor and above	2	Electrical Power/ Energy System/ Industrial Machinery and Related Fields	2 years and Above	Power System/Power Electronics/Control Engineering/Automation in Power System/Smart Grid Technology/ Industrial Machines Design/Automation
		MSc./ Lecturer	1	Electrical Power/ Energy System and Related Fields	0 year and Above	Power System/Power Electronics/Control Engineering
2.	Electronics System	Ph.D., Assistant Professor and above	2	Electronics Design/ IC Fabrication/ Semiconductor Fabrications and Related Fields	2 years and Above	Electronics/ Semiconductor Fabrications/IC Fabrication Process and Characterization i.e., Electrical, Optical, and Structural, and Special Nano Scale
		Ph.D., Assistant Professor and above	1	Electronics Design/ PCB Design/ VLSI/ Embedded System and Related Fields	2 years and Above	VLSI / Embedded/ PCB Design/ Microcontrollers / Integrated Electronics and circuit /Micro Electronics / Instrumentation Engineering /Signal-Image Processing and related fields.
		MSc./ Lecturer	1	Electronics/VLSI/ Embedded System and Related Fields	0 year and Above	Electronics/VLSI/ Embedded System
3.	IoT & Intelligent System	Ph.D., Assistant Professor and above	2	IoT Technology / Smart Solutions, Computer Science and Communication Engineering and Related Fields	2 years and Above	Internet of Things/ Cyber Physical System/ Wireless and Mobile Communication/ Artificial Intelligence/ Web Computing /Computer Science, and Communication Engineering
		Ph.D., Assistant Professor and above	1	Intelligent / Autonomous System Development /Smart Software and Related Fields	2 years and Above	Artificial Intelligence/ Bioinformatics/ Machine Learning/ Robotics Design and Programming/Human-Computer Interaction/ Web Computing/Big data Analytics /Computer Science, and Software Engineering
		MSc./ Lecturer	2	Computer Science/ Software/ Computer Engineering and Related Fields	0 year and Above	Computer Science/ Software/ Computer Engineering/ Internet of Things/ Cyber Physical System/Bioinformatics/ Artificial Intelligence
4.	Cyber Security System	Ph.D., Assistant Professor and above	1	Cyber Security and related	2 years and Above	Information and Network Security, Cryptography/Cryptocurrencies/Blockchain/ Cybersecurity Analyst/Administration

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7. Name of CoE: Advanced Manufacturing Engineering (CAME)

Table 1: Vacancy for Researcher

S N	Department/Lab	Name of the post	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
01	Advanced Material Processing	Assistant Professor	02	Manufacturing Science/ Production Engineering	PhD, Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/Course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Associate Professor	01	Manufacturing Science/ Production Engineering	PhD, Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Professor	01	Manufacturing Science/ Production Engineering	PhD. with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 6 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
02	Precision and Surface Engineering	Assistant Professor	02	Precision Engineering/Metrology/Surface Engineering	PhD, Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	Precision Engineering/Metrology/Surface Engineering	PhD, post-doctoral with publications in reputed journals and referred conferences	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Professor	01	Precision Engineering/Metrology/Surface Engineering		A minimum of 6 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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S N	Department/ Lab	Name of the post	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
03	Advanced Structural Testing Lab	Assistant Professor	02	Manufacturing Science/ Production Engineering/Machine Design	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional Experience, of which at least 4 years should be at the level of Associate Professor in an academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	Manufacturing Science/ Production Engineering/Machine Design	PhD, Post-Doctoral , With publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience, of which 4 years should be at the level of Assistant Professor, Senior Scientific Officer/Senior Engineer in a research organization or industry.
		Professor	01	Manufacturing Science/ Production Engineering/Machine Design	PhD. with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 6 years teaching/research/professional experience, of which 4 years should be at the level of Associate Professor, Senior Scientific Officer/Senior Engineer in a research organization or industry.
04	Smart Prototyping Lab	Assistant Professor	02	Additive Manufacturing/Rapid Prototyping/Reverse Engineering	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional experience, of which at least 4 years should be at the level of Associate Professor in an academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	Additive Manufacturing/Rapid Prototyping/Reverse Engineering	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Professor	01	Additive Manufacturing/Rapid Prototyping/Reverse Engineering	PhD. with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 6 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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S N	Department/ Lab	Name of the post	No. of required	Specialization	Essential Educational Qualifications	Experience(Teaching, Industrial and Research)
05	Robotics and Automation	Assistant Professor	02	Robotics/Automation in Manufacturing	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Associate Professor	01	Robotics/Automation in Manufacturing	PhD . with consistently good academic record throughout with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Professor	01	Robotics/Automation in Manufacturing	PhD with good academic records and publication on reputable international Journals	A minimum of 6 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
06	Modelling and Simulation	Assistant Professor	02	CAD/CAM/CIM	PhD , Post-Doctoral, with publications in reputed journals and referred conferences, patents, laboratory/ course development and other recognized relevant professional activities.	A minimum of 2 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry.
		Associate Professor	01	CAD/CAM/CIM	PhD , Post-Doctoral, with publications in reputed journals and referred conferences.	A minimum of 4 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry
		Professor	01	CAD/CAM/CIM	PhD , Post-Doctoral, with publications in reputed journals and referred conferences	A minimum of 6 years teaching/research/professional experience at academic institute or equivalent position in a research organization or industry

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Table 2: Vacancy for Research Assistants

S N	Department /Lab	Specialization Area	Level of qualification	Academic rank	No. of required	Experience	Remark
1	Advanced Materials Processing	In Lab Technology of various testing equipment's	BSc	Senior Academic & Research Assistant	3	4 years & above	Experience in operation of testing equipment's of material processing
2	Advanced Structural Testing	In Lab Technology of various testing equipment's	BSc	Senior Academic & Research Assistant	3	4 years & above	Experience in operation of testing equipment's of material processing
3	Precision and Surface Engineering	Precision instruments	BSc	Senior Academic & Research Assistant	3	4 years & above	Experience in operation and calibration of Precision Engineering Instruments/Equipments
4	Smart Prototyping	Additive manufacturing/ Reverse Engineering/ Rapid Prototyping	MSc	Chief Academic & Research Assistant I	3	2 years & above	Published one laboratory manual and one research article published in a famous journal
5	Robotics and Automation	Robotics	MSc	Chief Academic & Research Assistant I	3	2 years & above	Published one laboratory manual and one research article published in a famous journal
6	Modeling and Simulation	CAD/CAM/CIM	MSc	Chief Academic & Research Assistant I	3	2 years & above	Published one laboratory manual and one research article published in a famous journal

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Table 3: Vacancy for Support Staffs

SN	Department /Lab	Specialization Area	Level of qualification	Academic rank	No. of required	Experience
1	Advanced Materials Processing	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above
2	Advanced Structural Testing	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above
3	Precision and Surface Engineering	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above
4	Smart Prototyping	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above
5	Robotics and Automation	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above
6	Modeling and Simulation	Record Keeping/ Maintenance	BSc	Senior Academic & Research Assistant	1	4 years & above

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8. Name of CoE: Urban Housing Construction and Development (CUHCD)

S N	Specialization Area	Level of qualification	Academic rank	No. of required	Experie nce
1	PhD. (Architecture, Environmental Planning, Urban and Regional Planning, Urban and Housing Development , Environmental Engineering MSc. Architecture, GIS, Environmental Planning, Urban and Regional Planning; Urban and Housing Development, Geography and Environmental Studies, Urban Management, Biodiversity	Ph.D.	Assistant professor and above	1	2 years & above
2	Urban and Housing, Urban Management, Urban and Regional Planning, Geographic information System (GIS), Architecture, Environmental Planning	MA/MSC	Lecturer	1	0 year