I. Posts:

The faculty posts were sanctioned by the Ministry of Education under 4-Tier flexible faculty structure and there are **41** vacancies available across all departments/school under this 4-tier flexible faculty structure.

The requirement of posts in different departments and school are detailed below.

Post	Department/Stream
Professor (Pay matrix level 14A as per 7th CPC)	• Mathematics (MA)
Associate Professor (Pay matrix level 13A2 as per 7th CPC)	• School of Interdisciplinary Design and Innovation (SIDI) • Physics (PH) • Mathematics (MA)
Assistant Professor Grade-I (Pay matrix level 12 as per 7th CPC)	• Computer Science and Engineering (CS) • Electronics and Communication Engineering (EC) • Mechanical Engineering (ME) • School of Interdisciplinary Design and Innovation (SIDI) • Mathematics (MA)
Assistant Professor Grade-II (Pay matrix level 11 as per 7th CPC)	• Computer Science and Engineering (CS) • Electronics and Communication Engineering (EC) • Mechanical Engineering (ME) • School of Interdisciplinary Design and Innovation (SIDI) • Mathematics (MA)
Assistant Professor Grade-II (Pay matrix level 10 as per 7th CPC)	• Computer Science and Engineering (CS) • Electronics and Communication Engineering (EC) • Mechanical Engineering (ME) • School of Interdisciplinary Design and Innovation (SIDI) • Mathematics (MA)

II. **Detail of Educational Qualification and Experience Required for the Posts Under Four Tier Flexible Structure:**
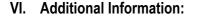
S.No.	Designation, Pay Band and Academic Grade Pay	Essential Qualification	Relevant Experience	Other Essential Requirements	Additional Desirable Requirements
1.	**Assistant Professor Grade II** Pay Matrix level 10 (Rs. 70,900 – 98,200)	Ph.D.	None	None	One publication in an SCI journal.
2.	**Assistant Professor- Grade II** Pay Matrix level 11 (Rs. 71,000 – 1,17,200)	Ph.D.	01 year.	• One paper accepted for publication in SCI journal.	• Two papers in SCI Journals or one patent; may be based on Ph.D work.
3.	**Assistant Professor- Grade I** Pay Matrix level 12. (Rs. 1,01,500-1,67,400)	Ph.D.	03 years after Ph.D. or 06 years total (not counting Ph.D. enrolment period) after obtaining M. Tech./M.E./M.Des. degree.	• 02 papers in SCI Journals outside Ph.D. work. • One ongoing sponsored project for candidates from academia. • Two experiments or computational projects added to teaching laboratories where appropriate.	• One Ph.D. Supervision ongoing; • 01 patent; • Experience in industry or R&D lab of repute; • M.Tech., M.Des. M.Sc. or B.Tech., B.Des. project supervision on live industrial problems.
4.	**Associate Professor** Pay Matrix level 13A2. (Rs. 1,39,600-2,11,300)	Ph.D.	• 06 years after Ph.D. or 09 Years total (not counting Ph.D. enrolment period) out of which 03 years should be after Ph.D. • Three years at the level of Assistant Professor with AGP of Rs.8000 or its equivalent in 7th CPC at a reputed university, R&D Lab or relevant industry.	• 04 Papers in SCI journals after Ph.D.; • One Ph.D. guided as sole or principal supervisor plus one continuing. • Two projects ongoing or one ongoing plus one completed. • Two experiments or computational projects added to teaching laboratories where appropriate. • Academic outreach activity equivalent to two self-financed short-term courses.	• 01 or more patents; • supervising two or more students for Ph.D.; • Strong liaison with industry; • Offering courses through application of ICT.
5.	**Professor** Pay Matrix level 14A. (Rs. 1,59,100-2,20,200)	Ph.D.	• 10 years after Ph.D. or 13 years total (not counting Ph.D. enrolment period) out of which 07 years are to be after Ph.D.; • At least four years to be at Associate Professor level with	• Two Ph.D. degrees guided in Career as sole or principal supervisor. • The following during the past 04 years. i. 03 papers in SCI Journals; ii. One High value sponsored or consultancy project; iii. Academic outreach activity equivalent to two	• One or more Patents, • Supervised more than three students for Ph.D. • Preparing E- Learning material. • At least one self-financed short-term course offered every year. • Strong liaison with industry.

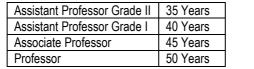|		AGP of Rs. 9500/level 13A2 in an Institute of repute	self-financed courses offered as coordinator and main teacher; iv. Two experiments or computational design projects added to teaching laboratories where appropriate.	• Offering significant support to Institute management; • High value sponsored or consultancy projects.

III. Eligible Degrees and Research Areas

Discipline	Eligibility criteria
Computer Science and Engineering	• B.E./ B.Tech. in Computer Science and Engineering/Information Technology/ Artificial Intelligence/ Data Science/ Cyber Security/ Electronics and Communication Engineering or relevant stream/degree. • M.E./ M.Tech./ M.Des.(Computer Science and Engineering/ Information Technology/ Communication Systems/ Artificial Intelligence/ Data Science/ Cyber Security or relevant stream/ degree). • Ph.D. Degree (Computer Science and Engineering or related topics). **Research Area:** Machine Learning, Data Sciences, Computer Vision, Operating Systems, Computer Architecture, IoT, Computer Networks, Information Security, Cloud Computing, Theoretical CS, Software Engineering, Real Time Systems.
Electronics and Communication Engineering	• B.E./B.Tech. (Electrical Engineering/ Electrical and Electronics Engineering/ Electronics Engineering/ Electronics and Communication Engineering or relevant stream/ degree). • M.E./ M. Tech./ M. Des. (Electrical Engineering/ Electrical and Electronics Engineering/ Electronics Engineering/ Electronics and Communication Engineering or relevant stream/ degree). • Ph.D. Degree (Electrical Engineering/ Electronics Engineering/ Electronics and Communication Engineering or relevant topics). **Research Area: C**ommunication Systems, RF & Microwave Engineering, RF/ Microwave Circuits, Antennas and Systems, Signal and Image Processing, VLSI Circuit & System Design, VLSI Testing & Verification..
Mechanical Engineering	• B.E./B.Tech. (Mechanical Engineering/ Aerospace Engineering/ Automobile Engineering/ Industrial Engineering/ Electrical/ Electronics Engineering/ Instrumentation / Production/ Manufacturing Engineering/ Mechatronics/ CAD/CAM/ CIM/ Computer Science Engineering/ AI & Robotics or relevant stream/ degree). • M.E./ M. Tech./ M. Des. (Mechanical Engineering/ Aerospace Engineering/ Automobile Engineering/ Industrial Engineering/ Instrumentation / Production/ Manufacturing Engineering/ Mechatronics/ CAD/CAM/ CIM/ AI & Robotics or relevant stream/degree). • Ph.D. (Mechanical Engineering/ AI & Robotics or relevant topics). **Research Area:** Futuristic research areas in Manufacturing, Robotics, AI, Data Science, Mechatronics, Materials and Engineering design, and Thermal and fluid sciences and related areas. CFD, Heat Transfer, Multi phase flows Metal forming and Joining
School of Interdisciplinary Design and Innovation	• B. Des., M. Des. and Ph.D. in Design OR Engineering graduates with at least one degree in Design at Masters or PhD level in the subject area of Product Design or relevant areas OR • Ph.D. in Science/Engineering with practical experience in Product Design & Development. **Research Area:** Aesthetics, Form and sketching, CAD and digital sketching/ modeling, Human factors and ergonomics, Visual communication, Interaction design, Graphic design, Kinetic art, CAE in Product Design, Bio-inspired Design, impact and crashworthiness, lightweighting, sustainable products from wastes

Mathematics	• Bachelor and Master Degree in Mathematics/ Statistics/ Applied Mathematics/ Industrial Mathematics & Scientific Computing along with Ph.D. in Mathematics/ Statistics or relevant areas. **Research Area:** Algorithmic graph theory, Statistics / Data Sciences, Probability theory, Differential Equations, Real / Complex Analysis, Algebra, Numerical methods
Physics	• B.Sc. and M.Sc./ M.Sc. (Tech)/ B.Tech. in Physics, Applied Physics, Materials Science/ M.Tech. (Solid State Technology)/ M.Tech. (Materials Science)/ M.Sc. Applied Optics/ Optoelectronics or relevant stream/degree along with Ph.D. in Physics or relevant areas. **Research Area:** Raman Spectroscopy.

VI. Additional Information:

1. **Age limit:**

Assistant Professor Grade II	35 Years
Assistant Professor Grade I	40 Years
Associate Professor	45 Years
Professor	50 Years

However, for exceptional candidates age may be relaxed at the discretion of the scrutiny committee with the approval of Director.