Annexure-I

Degrees in the following relevant branches/specializations at B.E./B.Tech./ M.E./M.Tech./ and Ph.D. level for various departments are required from the applicants:

S. No.	Department	B.E./B.Tech Branch*	M.E./ M.Tech/ M.Sc./MA Branch/ Specializations*	Ph.D.	Preferred Areas / Specializations
1.	Aerospace Engg.	Aeronautical/ Aerospace Engg.	Aeronautical/Aerospac e/Aerodynamic Engg./Propulsion Engineering/Rocket Propulsion/Aerospace Propulsion Technology/Space Engineering and Rocketry/Astronomy & Space Engineering/Gas Turbine Technology/Turbo Machinery/Internal Combustion Engine and Turbo Machinery/Mechanical in Rotodynamics/Roto Dynamic Machines/Avionics/Flig ht Mechanics/Aerospace Materials/ and allied branches	Aeronautic al/ Aerospace/ Any Allied branch	Avionics, Aircraft Structures, CFD, Aero materials, allied branch
2.	Civil Engineering	Civil Engineering	Civil Engineering	Ph.D. Civil Engineering	Structural Engg./ Transportation Engg./ Environmental Engg./ Construction Management/ Remote Sensing/ Geotechnical Engineering
3.	Computer Science & Engineering	Computer Science & Engineering Computer Science and	Computer Science & Engineering Computer Science and	Specialization areas equivalent / related to Computer	Artificial Intelligence, Machine Learning, Soft Computing, Natural Language

4.	Electrical Engg.	Electrical Engineering/ Electrical and Electronics Engineering	Electrical/ Power System (Engineering) / Control System (Engineering) /Power Electronics/ Electric Machines/ Electric Drives/ Automation/ Instrumentation/ Energy System/ Renewable/ Power Apparatus/ Signal Processing OR at least any one of the above specializations in combination with other specializations.	Ph.D.	I. Control Engineering II. Power Electronics III. Power System IV. Instrumentation V. Electrical Machine VI. Electric Drives VII. Energy System VIII. Automation
5.	Electronics Engg.	Electronics and Electrical Communication Engg. Electronics & Communication Engg. Electronics & Telecommunication Engineering.	 Electronics Engg. Electronics Product Design & Technology VLSI Design Communication Engg. Electronics & Communication Engg. Electronics & telecommunication Engg. Electronics (VLSI Design) Embedded System Microelectronics Microelectronics Microwave Engg. Optical Communication Nanoelectronics Electronics & Electronics Electronics (Digital Communication Engg. Digital Signal Processing Digital Image Processing 	-	Electronic Engg. Electronics & Communication Engg. Electronics & Electrical Communication Engineering Electrical & Electronics Engineering Photonics Microelectronics Communication Engg. Embedded System VLSI Optical Communication Nanoelectronics Digital Signal Processing Microwave Engg. Wireless Communication Digital Image Processing
6.	Mechanical Engg.	Mechanical Engg.	ThermalMachine DesignManufacturing		Thermal/ Machine Design/ Manufacturing/ Production/ Industrial/ Robotics/

					Automation/ CAD-CAM/ Materials/CFD/ Process Optimization/ Physical Metallurgy/Precision Engineering/ Modelling and Computational techniques relevant to Mechanical Engineering
7.	Metallurgical & Materials Engg.	Metallurgy, Metallurgical & Materials, Materials & Metallurgical, (Engineering/ Technology) Materials Science & Metallurgy, Materials Science & Engineering, Metallurgical Engineering and Materials Science Or B.Tech. Mechanical Engineering	Metallurgical Engineering, Materials Science &, Engineering, Materials Science & Metallurgy, Metallurgical & Materials Engineering, Materials Engineering, Materials & Metallurgical Engineering, Foundry- Forge Technology, Industrial Materials & Metallurgy, Industrial Metallurgy, Process Metallurgy, Materials Engineering, Materials Engineering, Material Science	Ph.D.	Materials/ Metallurgy
8.	Bachelor of Design (B.Des.)	Bachelor of Design (B.Des.)/ Bachelor of Technology (B.Tech/BE) Bachelor of Architecture (B.Arch.)	Master of Design (M. Des)/ Master of Technology (M Tech) in Design or related subject	Design or with related subject	Product Design, Industrial Design, Animation Film Design, Artificial Intelligence in Design, Interaction Design, Information Design, Digital
		Bachelor of Fine Arts (BFA) (4Year Course) Bachelor of Arts (4 Year Course)	Master of Fine Arts (MFA)/ Master of Design (M. Des)		Game Design, Exhibition Design, Film & Video Communication, Graphic Design, New Media Design,

					Vehicle Design, Filmmaking, Cinematography, Editing, Sound Design, Music Production, VFX, Visual Communication, Typography and Publication Design, Digital Media, Augmented Reality, Virtual Reality, Usability, Human Centered Design, Information Architecture, Basic Design, Advertising and Branding/Strategic Design
9	Physics		M.Sc in Physics/ Applied Physics	Ph.D. Physics	 Experimental Condensed Matter Physics Theoretical Condensed Matter Physics Quantum Physics Materials Science
10	Mathematics		M.A/M.Sc. in Mathematics/Applied Mathematics	Ph.D. Mathematics/ Applied Mathematics	All Specializations of Mathematics/ Applied Mathematics
	Management &	Management/ Commerce	Master of Business Management/ Master of Business Administration (MBA)/ Post Graduate Diploma in Management (PGDM)/ Master of Commerce (M.Com)	Ph.D.	Finance/General Management/ Entrepreneurship.
		B.A Humanities	MA. English	Ph.D.	English Language Teaching (ELT)/ English Literature

			MA French	-	-			
l l	* For exceptional candidates, equivalence of branch/ specialization may be considered by the Selection Committee.							