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/Aerospace/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/Flight Mechanics/Aerospace Materials/ and allied branches	Aeronautical/ Aerospace/ Any Allied branch	Avionics, Aircraft Structures, CFD, Aero materials, allied branch
2.	Computer Science & Engineering	• Computer Engineering • Computer Science • Computer Science & Engineering • Computer Science & Information Technology • Computer Technology • Information Technology • Computer Science & Technology	• Computer Engineering • Computer Science • Computer Science & Engineering • Computer Science & Information Technology • Computer Technology • Information Technology • Computer Science & Technology • Computer Science & Engineering (Artificial Intelligence) • Computer Science & Engineering (Machine	Specialization areas equivalent /related to Computer Science & Engineering	Artificial Intelligence, Machine Learning, Soft Computing, Natural Language Processing, Speech Technology, Bio-Informatics, Wireless Sensor Networks, Networks & Security, Mobile & Adhoc Networks, Deep Learning, Medical Imaging, IOT & related areas, Software

		• Computer Science & Engineering (Artificial Intelligence) • Computer Science & Engineering (Machine Learning) • Computer Science & Engineering (Data Science) • Cyber Security • Software Engineering • Or Any Other Equivalent related branch	Learning) • Computer Science & Engineering (Data Science) • Cyber Security • Software Engineering • Or Any Other Equivalent related branch		Engineering, Software Testing, Information retrieval, Prediction Algorithms, Cryptography, Data Analytics, Fault-Tolerant Distributed Computing, Explainable Artificial Intelligence and Blockchain Technology, IOT, SDN, Wireless Communication, Network Security, AI & ML, VANET, Web Crawling, Dark Web and Deep Web, Latest Areas related to Covid 19, Automata theory or any other equivalent and related area
3.	Electronics Engg.	• Electronics and Electrical Communication Engg. • Electronics & Communication Engg. • Electronics & Tele-communication Engineering.	• Electronics Engg. • Electronics Product Design & Technology • VLSI Design • Communication Engg. • Electronics & Communication Engg. • Electronics & telecommunication Engg. • Electronics (VLSI Design) • Embedded System • Microelectronics • Microelectronics System Design • Microwave Engg. • Optical Communication • Nanoelectronics	-	• Electronic Engg. • Electronics & Communication Engg. • Electronics & Electrical Communication Engineering • Electrical & Electronics Engineering • Photonics • Microelectronics • Communication Engg. • Embedded System • VLSI • Optical Communication • Nanoelectronics • Digital Signal

			• Electronics & Electrical Communication Engg. • Digital Signal Processing • Digital Image Processing		Processing • Microwave Engg. • Wireless Communication • Digital Image Processing
4.	Bachelor of Design (B.Des.)	Bachelor of Design (B.Des.)	Master of Design (M. Des)	Design or with related subject	Product Design, Industrial Design, Animation Film Design, Artificial Intelligence in Design, Interaction Design, Information Design, Digital 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
		Bachelor of Technology (B.Tech/BE)	Master of Design (M. Des)		
		Bachelor of Architecture(B.Arch.)/	Master of Design (M. Des)		
* For exceptional candidates, equivalence of branch/ specialization may be considered by the Selection Committee.					