## **ANNEXURE-B**

SI.	Departments/School/	Essential Qualification	Specializations
No	Cell		
1.	Applied Mechanics	Ph.D. in the relevant or equivalent	Turbulence Modeling and CFD,
		discipline and shall have first class in the	Biomedical Instrumentation and Device
		preceding degrees [B. Tech. or any	Development, Computational Material
		equivalent degree in relevant	Science and (Materials Modeling),
		discipline] AND [M. Tech. or any	Artificial Intelligence and Machine
		equivalent degree in relevant	Learning in the area of solid mechanics
		specialization]	
2.	Biotechnology	Ph.D. in the relevant or equivalent	Stem Cell and Tissue Engineering,
		discipline and shall have first class in the	Biomaterials
		preceding degrees [B.Sc./B. Tech. or	
		any equivalent degree in relevant	
		discipline] AND [M.Sc./M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
3.	Chemical	Ph.D. in the relevant or equivalent	Artificial Intelligence & Machine
	Engineering	discipline and shall have first class in the	Learning for Chemical Processes,
		preceding degrees [B. Tech. or any	Industrial Catalysis
		equivalent degree in relevant	
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
4.	Chemistry	Ph.D. in the relevant or equivalent	Organo-Catalysis, Inorganic based
		discipline and shall have first class in the	Material Chemistry
		preceding degrees [B.Sc. or any	
		equivalent degree in relevant	
		discipline] AND [M.Sc. or any	
		equivalent degree in relevant	
		specialization]	
5.	Civil Engineering	Ph.D. in the relevant or equivalent	Water Resources Engineering-
		discipline and shall have first class in the	Hydrology and Hydraulic Structures,
		preceding degrees [B. Tech. or any	GIS and Remote Sensing
		equivalent degree in relevant	
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
6.	Computer Sciences	Ph.D. in the relevant or equivalent	Artificial Intelligence (AI) & Data
	& Engineering	discipline and shall have first class in the	Analytics, Computer Systems&
		preceding degrees [B. Tech.or any	Engineering

SI. No	Departments/School/ Cell	Essential Qualification	Specializations
NO	Cell	equivalent degree in relevant	
		discipline /M.C.A.] AND [M. Tech. or	
		any equivalent degree in relevant	
7	Electrical	specialization]	Payer System Payer Flactronics
7.	Electrical	Ph.D. in the relevant or equivalent	Power System, Power Electronics,
	Engineering	discipline and shall have first class in the	Control System
		preceding degrees [B. Tech. or any	
		equivalent degree in relevant	
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant specialization]	
8.	Electronics and	Ph.D. in the relevant or equivalent	VLSI, RF, Microwave &
0.	Communication	discipline and shall have first class in the	Communication Systems, Signal
	Engineering	preceding degrees [B. Tech. or any	Processing
	Linginicering	equivalent degree in relevant	T Tocessing
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
9.	GIS [Geographic	Ph.D. in the relevant or equivalent	Digital Photogrammetry, Artificial
0.	Information System]	discipline and shall have first class in the	Intelligence (AI) Applications in
	miorination by otomy	preceding degrees [B. Tech. or any	Hyperspectral Image Processing
		equivalent degree in relevant	Tryporopoutal image r recessing
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
10.	Humanities and	Ph.D. in the relevant or equivalent	Management with specialization in
	Social Sciences	discipline and shall have first class in the	
		preceding degrees [B.A./B.Sc./B.Com.	Professional Ethics.
		or any equivalent degree in relevant	
		discipline] AND [M.A./ M.Sc./ M.Com./	
		M.B.A. or any equivalent degree in	
		relevant specialization]	
11.	Mathematics	Ph.D. in the relevant or equivalent	Dynamical System, Computational
		discipline and shall have first class in the	Fluid Dynamics
		preceding degrees [B.Sc. or any	
		equivalent degree in relevant	
		discipline] AND [M.Sc. or any	
		equivalent degree in relevant	
		specialization]	
12.	Mechanical	Ph.D. in the relevant or equivalent	Industrial Engineering, Design
	Engineering	discipline and shall have first class in the	Engineering

SI.	Departments/School/	Essential Qualification	Specializations
No	Cell		
		preceding degrees [B. Tech. or any	
		equivalent degree in relevant	
		discipline] AND [M. Tech. or any	
		equivalent degree in relevant	
		specialization]	
13.	Physics	Ph.D. in the relevant or equivalent	Nuclear, High Energy Physics, Solid
		discipline and shall have first class in the	State Physics/Condensed Matter
		preceding degrees [B.Sc. or any	Physics, Spectroscopy, Electronics,
		equivalent degree in relevant	Nonlinear Dynamics/Plasma Physics
		discipline] AND [M.Sc. or any	
		equivalent degree in relevant	
		specialization]	
14.	Management Studies	Ph.D. in the relevant or equivalent	Operations Management, Financial
		discipline and shall have first class in the	Management
		preceding degrees [B.A./B.Sc./B.Com.	
		or any equivalent degree in relevant	
		discipline] AND [M.A./ M.Sc./ M.Com./	
		M.B.A. or any equivalent degree in	
		relevant specialization]	

**Note:[1]** Applicants who have completed Ph.D. degree directly after B.Tech. or equivalent degree may also be considered, provided that such applicants have 75% or 8.0 CPI at B.Tech. level.

**Note: [2]** Preference will be given to the applicants having fellowship from National Bodies such as INSPIRE fellowship, Ramalingaswami fellowship, Wellcome Trust Fellowship etc.