

DEPARTMENT OF ELECTRICAL ENGINEERING
Indian Institute of Science
Bangalore 560012

Research Interviews - 2022

Choice of likely Research Area

- A. Name of the candidate: _____
- B. Application No: _____
- C. Choice of research areas: The two major streams of research in the department and the sub-areas within them are given below. Please select only one of the two streams for which you would like to be interviewed. In the selected stream, indicate your order of preference for pursuing research in any one of the sub-areas, in case you are offered admission (1=top preference, 2=next preference and so on)
- D. Preference (applicable only for only bachelor degree holder entering through GATE): MTech(Research) _____ PhD _____

I. Stream 1: Power Systems, Power Electronics and High voltage Engineering

	Sub-areas	Order of preference
a	High Voltage Engineering, Electromagnetic fields & Lightning	
b	Power Systems-Operation, Protection and AI Applications, High performance /Parallel Computing applications to power systems, Power electronics applications to power systems, Machine Learning applications to power systems, smart grids, Power system stability and control, Microgrids, Power system protection, Data Analytics in Smart Grids	
c	Power Electronics, Industrial Drives, Electrical Machines	

(OR)

II. Stream II: Systems and Signal Processing

	Sub-areas	Order of preference
a	Machine Learning and Pattern Recognition	
b	Image/Video Processing, Medical Imaging, Computational imaging	
c	Signal Processing, Biomedical signal processing	
d	Computer Vision	
e	Speech and audio processing	
f	Control systems, Multi-agent systems and control, Multi-robot systems	

Date: _____