



डा. बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान

Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY

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कणवैद्युतकी एवं संचार अभियांत्रिकी विभाग

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Annexure - A

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Subject: Area of specialization for recruitment of faculty position in ECE Department.

In reference to the office order no NITJ/D/PA/17925-40 dated: Nov 19, 2018 regarding starting the process of recruitment of faculty again. The Faculty Board members meeting was held on dated 11-02-2019 and 12-02-2019. The Faculty Board decided the following qualifications and specialisations for faculty recruitment.

The qualification & area of specialization for the regular faculty recruitment is as follows:

1. **B.E. / B.Tech/ B. Sc Engineering in:** Electronics Engineering/Electronics and Communication Engineering/ Electronics & Telecommunication Engineering/ Electronics & Instrumentation Engineering/ Electronics Technology.
2. **M.E. / M. Tech/ M. Tech by Research/ MS in :** Electronics, Electronics & Communication Engineering, VLSI Design, Microelectronics/ Nanoelectronics, Embedded Systems/ Design, Biomedical Signal Processing, Biomedical Engineering, Image Processing, Signal Processing, Communication Systems, RF/Microwave Engineering, Electronics Product Design & Technology, Microelectronics & VLSI Design, Electronics & Instrumentation Engineering, and other relevant areas.
3. **Area of Specializations/ Ph. D Areas:** Biomedical Signal Processing, Medical Image Processing, ECG Signal Analysis/processing and its Interpretation, Heart Rate Variability Signal Analysis/Processing and its Interpretation, Digital and Image Processing and Its Applications, Filter Banks, Embedded Systems, Microprocessor & Microcontrollers, Signal Processing, Medical Imaging and Computational Modelling, Artificial Intelligence and Machine Learning, Soft computing, Electronics and Communication Engineering, Electrical Engineering, Digital Communication Systems, Wireless Communication Systems, RF Circuits and Microwave Communication, Antenna Design, VLSI Design, Microelectronics, Nano Technology, Nano Scale Semiconductor Devices, Low Power VLSI Design, Microelectronics and VLSI Design, Cognitive Radios, Assisted Technologies, Instrumentation and Control Engineering, Electronics and Instrumentation Engineering, Data Communication Networks.

Note: However, internal faculty members of the department will be eligible with their existing specialization/ disciplines in their B.Tech/M.Tech/M. Tech by Research/ ME/MS/ PhD for promotion to higher AGP/CADRE.

Dr R. K. Sarin

Dr Arun Khosla

Dr Mamta Khosla

Dr B. S. Saini

Dr R. K. Sunkaria

Dr Indu Saini

Dr Deepti Kakkar

Dr Ashish Raman

Dr Neetu Sood

Dr Balwinder Raj

Dr Nitesh Kashyap

Dr Pawan Varma

Dr Deepak Bharti

Dr Sukwinder Singh

HOD/ECE

12/2/2019