THE ECE DEPARTMENT

The department strives for excellence in theoretical and experimental research in communications, signal processing, microelectronics, and RF/photonics. The department is a UGC Center for Advanced Studies.

THE PROGRAM

The ECE department will nominate up to 10 doctoral candidates for the prestigious Visvesvaraya Ph.D. Fellowship, instituted by the Department of Electronics and Information Technology, Ministry of Communications and Information Technology. Under this scheme, the Visvesvaraya Fellow will get (as specified on 01/02/2015, but subject to revision):

• a stipend of Rs. 22500/- per month for the first two years and Rs. 25000/- per month from the third year onwards (for a maximum of 5 years);
• reimbursement of rent as per Government of India rules;
• annual contingency grant of Rs. 30000/- for research activities;
• financial support to attend up to two international conferences during the Ph.D. (up to Rs. 50000/- per visit).

Areas of research include Communications and Networking, Information and Coding Theory, Microelectronics, Microwaves, Photonics, Signal Processing, Optical Communication, and Wireless Communication.

The Ph.D. scholars will work on cutting edge theoretical and experimental problems in the above areas. They will be guided by experts in the field, will have access to state-of-the-art experimental facilities, and will have an opportunity to innovate and push the frontiers of technology.

FUTURE PROSPECTS

Our graduates have a variety of placement options:

• academic positions in top universities in India and abroad,
• jobs in the high-tech industry (for example, Broadcom, Imagination Technologies, Ittiam, Samsung, Seagate, Siemens, Texas Instruments, Qualcomm, DRDO, etc.), or
• entrepreneurship opportunities to start a company of their own.

ELIGIBILITY AND HOW TO APPLY

If you will have an M.Tech., or a B.E. / B.Tech. or an equivalent degree, or an M.Sc. or an equivalent degree in one of the allied research areas before August 2015, you may qualify to apply.

Apply by 20 March 2015 (online application) as a regular Ph.D. candidate.

Selected candidates will be called for an interview in June 2015. Up to ten of the selected candidates will be offered the Visvesvaraya fellowship.

For more information on the admission procedures, visit:
http://admissions.iisc.ernet.in
http://www.ece.iisc.ernet.in