

MeitY - Visvesvaraya PhD Scheme For Electronics & IT

A scholarship scheme by the Ministry of Electronics and Information Technology with an objective to enhance the number of PhDs in Electronics System Design & Manufacturing (ESDM) and IT/IT Enabled Services (IT/ITES) sectors in the country. Cabinet Committee on Economic Affairs (CCEA) approved the scheme in 2014 for a period of nine years with a total estimated cost of ₹ 466 crores. The duration of the scheme is five years for the purpose of selecting candidates for support under the scheme. However, the funding would be continued till the 9th year for the commitments already made during the scheme period.

Objectives:

1. To enhance the number of PhDs in Electronics System Design & Manufacturing (ESDM) and IT/IT Enabled Services (IT/ITES) sectors in the country.
2. Give thrust to R&D, create an innovative ecosystem and enhance India's competitiveness in these knowledge-intensive sectors.
3. To fulfil the commitments made in National Policy on Electronics (NPE 2012) and National Policy on Information Technology (NPIT 2012) which recommend giving special thrust on significantly increasing the number of PhDs in the country to enable India to compete globally in the coming decades, to develop an ecosystem of research, development and IP creation in these knowledge-intensive sectors.
4. To Support 1500 Ph.D. Candidates including both Full-Time (500) and Part-Time (1000) in each of the ESDM and IT/ITES sectors (Total: 3000 PhDs).
5. The scheme is also expected to encourage working professionals and non-PhD faculty members to pursue Ph.D.

Salient features of the Ph.D. scheme are as follows:

1. This Scheme provides 25% more fellowship amount than most of the other Ph.D. Schemes.
2. The scheme also provides an infrastructural grant of ₹ 5,00,000/- per candidate to the academic institutions for the creation/ up-gradation of laboratories.
3. Part-time Ph.D. candidates get a one-time incentive on completion of the Ph.D.
4. The scheme also supports 200 Young Faculty Research Fellowships in the areas of ESDM and IT/ITES with the objective to retain and attract bright young faculty members in these sectors.

Benefits

Full-Time Ph.D. Candidates

Fellowship: ₹ 31,500/- per month (I & II years); ₹ 35,000/- (III to V year); revised to 38,750/- per month (I & II years); ₹ 43,750/- (III to V year).

Annual Contingency Grant support of ₹ 30,000/- per year. Following items may be booked under 'Annual Contingency grant/support' meant for a full-time Ph.D. candidate- Books/Documents of relevance to the research topic; Equipment/software exclusively for research; Consumables/Chemical/Electronic components for research work; Reprint/Off-Prints of research papers, reports, etc; Registration fee for attending

Symposia/Seminars/Conferences in India/abroad provided the Ph.D. candidate is presenting a paper that has been accepted; Similar items of relevance / directly contributing towards the furtherance of the candidate's research work for his Ph.D., etc.

Reimbursement of Rent for those Full-Time PhD candidates who are not provided accommodation or choose not to avail of the accommodation provided by the institution.

The ceiling for Reimbursement of Rent would be 30%, 20%, and 10% of the fellowship amount as per the Government of India norms for class X, Y, or Z cities respectively.

Support for attending international conferences (Supports for 1000 conferences with an amount up to ₹ 50,000/- per conference). Any individual Full-Time Ph.D. candidate would be eligible to avail of the support for attending a maximum of 2 conferences under this scheme.

Part-Time Ph.D. Candidates

A one-time incentive of ₹ 2,50,000/- would be provided to Part-Time Ph.D. candidates on successful completion of the Ph.D.

Young Faculty Research Fellowship (YFRF)

Financial support provided to the YFRFs is as mentioned below:

Fellowship @ ₹ 20,000/- per month in addition to the regular income

Contingency/ Research Grant of ₹ 5,00,000/- per annum for presenting paper and research work at national and international conferences and other research expenses for a maximum of five years.

1) Equipment, manpower, and other similar expenses of relevance to support the research work of the 'Young Faculty Research Fellow (YFRF)' could be met from the Research/ Contingency Grant of Rs. 5 Lakhs/year.

2) The research contingency grant of Rs. 5 Lakh/year may also be utilized by the YFRF awardee towards attending the International Conference by the researchers working under his/her guidance for presenting a paper in which the researcher (working with the YFRF awardee) is a co-author with him/her (the YFRF awardee) and the YFRF awardee he/her self is not attending the same event. The above clarification is to facilitate the use of the Grant rather than to limit the wisdom/freedom of the 'Young Faculty Research Fellow' i.r.o. the use of the grant for the furtherance of the research work.

3) The unspent balance in a particular year under “Research Contingency grant/support” for each YFRF may be carried forward to the next year, till the time the YFRF is supported under the scheme at the Institute.

Eligibility

Eligibility Criteria for the Applicant

Minimum Grade Point Average of 6.5/10 or 60% (55% marks for SC/ST) of marks in M.E./M.Tech/M.S. in Electronics/Communications/ Computer Science/Instrumentation/Biomedical/Mechanical/Microelectronics/Solid-state Technology/MEMS/Nano Science/Nano Technology/ Material Science/ Engineering Physics or equivalent.

OR

Minimum Grade Point Average of 6.5/10 or 60% (55% marks for SC/ST) of marks in Bachelor degree in Electronics/Communications/ Computer Science/Instrumentation/Biomedical/Mechanical Engineering or equivalent with a valid GATE score.

OR

Bachelor's degree in Electronics/Communications/Computer Science/Instrumentation/Biomedical/Mechanical or equivalent from an Indian Institute of Technology (IIT) with a minimum CGPA of 8.0

OR

First Class (6.5 grades point out of 10) or 60% marks (55% marks for SC/ST) in Masters or equivalent degree in Physics/Chemistry or relevant Science subject/B. Tech. in engineering physics with a valid GATE score or UGC/CSIR-NET or an equivalent qualification.

For more details, please visit: <https://www.myscheme.gov.in/schemes/vpseit#benefits>

List of Students under Visvesvaraya PhD Scheme for Electronics & IT at NIT Warangal

Sl. No.	Name of the scholar	Roll No.	Date of Joining	Full Time / Part Time	Completed on	Supervisor's Name	Title
1	Gollapudi Arun Manohar	715037	16.07.2015	Full Time	11.06.2021	Dr. D. Vasu & Dr. K. Srikanth	Design, Development and Fabrication of a High Redundancy Linear Electromechanical Actuator for Fault Tolerance.
2	Ravi Bolimera	715052	17.07.2015	Full Time	01.09.2023	Dr. T. Kishore Kumar	Investigations on Different Deep Learning Architectures for Telugu Language Text-To-Speech Synthesis System
3	M A Mushahhid Majeed	716029	08.01.2016	Full Time	19.06.2020	Dr. P. Sreehari Rao	Automated Design of CMOS Analog Integrated Circuits Using Meta-Heuristic Algorithms.
4	Bandela Surekha Reddy	716030	07.01.2016	Full Time	12.07.2021	T. Kishore Kumar	Development of Novel Speech Emotion Recognition Techniques Using Machine Learning Approaches.
5	Hem Kumar D	716043	07.01.2016	Full Time	28.10.2021	Dr. Ravichandra Sadam Prof. DVLN Somayajulu	Study of Data Correlation's Impact On Privacy Leakage In Privacy Preserving Models.
6	Sivadanam Niveditha	701608	14.12.2016	Full Time	29.09.2022	Dr. B. Nagu & Prof. M. Sydulu	Dynamic Performance Enhancement of Interconnected Power Systems in the Presence of Diverse HVDC Links and Plug-in Hybrid Electric Vehicles
7	Hari Prasad Devarapalli	715019	30.07.2015	Part Time	20.02.2023	Prof. DVSS Siva Sarma & Dr. G. Seetharamabrahmam	Demand Response Management for Improving Power Quality using Deterministic Non-Intrusive Load Patt