



FACULTY DEVELOPMENT PROGRAMME (FDP)

On

R PROGRAMMING FOR SCIENTISTS AND ENGINEERS

(30th June 2017 to 5th July 2017)

Organized by

E&ICT Academy and Dept. of CSE, NIT Warangal

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

Preamble:

“Electronics & ICT Academy” was set up at NIT, Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Puducherry, and Andaman & Nicobar Islands. This academy role is to offer faculty development programs in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

As part of this initiative, a Faculty Development Program (FDP) on **R Programming for Scientists and Engineers** is intended to give rigorous training on R programming for faculty, Scientists and Engineers who are extensively involved in interdisciplinary research activities. The six days program will deal with application of modern tools and techniques using R to the problems arising from different areas of applied sciences and Engineering.

Major Course Contents:

- Introduction to R programming
- Data Visualization with R
- Mathematical modelling using R
- Database connectivity with R
- Data analysis using R
- Spatial data analysis with R
- R packages for Bioinformatics
- Image processing in R
- Advanced packages in R

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified by email. The maximum number of participants will be **50 (fifty)**. Additionally 10 participants from industry are allowed to participate. **The list of selected participants will be intimated through e-mail.** In case, a candidate is not selected, the demand draft will be sent back. Candidates will be issued certificates on successful completion of the course along with grade. Reservations of seats are followed for selecting candidates as per GOI norms.

Organized at:

The program will be coordinated and conducted by E&ICT and Dept. of CSE, at NIT Warangal. The whole course is handled by academicians and industry experts.

Eligibility: The program is open to the *faculty, scientists and engineers* in Telangana, Andhra Pradesh, Karnataka states and Puducherry and Andaman and Nicobar Islands. Industry and other working professionals are also eligible.

Pre-Requisites: Basic programming concepts.

Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2000/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka,	Rs. 500/- (SC/ ST participants should submit their caste certificate to claim the concession along with application form)

Puducherry, Andaman and Nicobar Islands, Goa	
Industry Participants	Rs. 6000/-
Participants from other states	Rs. 8500/-

The participants need to send a crossed demand draft (DD) drawn in favor of “Director, NIT Warangal” and payable at SBH, NIT Warangal branch.

Accommodation:

No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants at NIT Warangal campus. Working Lunch, Tea & Snacks and Dinner would be provided during the training.

How to apply:

A filled-in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator on or before the last date by post/courier. Participants are requested to write their name and contact number backside of demand draft. It is also mandatory to send scanned application form and demand draft through e-mail to trk@nitw.ac.in or ramakrishnudu.t@gmail.com as selection will be intimated only through e-mail.

Important dates:

Last date to receive application & DD: **20th June, 2017**

Selection-list intimation by email: **24th June, 2017**

Duration of Program: **30th June, 2017 to 5th July, 2017**

About the Institute, department and Warangal:

National Institute of Technology (formerly Regional Engineering College), Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering and M.Tech. and Ph.D programs in various specializations. The Department of Computer Science and Engineering (CSE) offers B.Tech. course in CSE, M.Tech courses in CSE, Computer Science and Information Security (CSIS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programmes throughout the year. Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140 km. from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology campus is 2 km. away from Kazipet junction and 12 km. away from Warangal station.

