



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

Wireless Network on Chip Architectures

WiNoC Architectures (23th May – 30th May 2022)

Organized by

Electronics & ICT Academy, NIT Warangal

in association with

The National Institute of Engineering (Autonomous under VTU), Mysuru

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



ESTD : 1946

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, Goa, Puducherry and Andaman & Nico- bar 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.

ABOUT FDP:

Network-on-chip has become a way to communicate with more IP cores that can fit on a die. Research has been going on all over the world, taking into account the main problems that SoC designers are trying to solve. Wireless Network-on-Chip (WiNoC) with on-chip antennas, routers, and transceivers is a new trend in NoC that could help multicore processors run faster and use less energy. In this programme, you will learn more about the architecture and interconnects of a network-on-a-chip (NoC), as well as routers and algorithms, testing and verification, hardware security, and new trends in on-chip interconnects.

MAJOR COURSE CONTENTS:

1. Introduction to SoC and NoC architectures.
2. SoC Interconnects
3. Introduction to WiNoC
4. WiNoC architecture & its relevance
5. Routers and algorithms
6. Tools & Implementation Criteria.
7. Performance Issues of WiNoC
8. Security threats in Hardware Interconnects.
9. Issues & Challenges in WiNoC
10. Research trend in on-chip Interconnects

FACULTY CONDUCTING THIS PROGRAMME:

The programme will be led by faculty members from NIT Warangal, and academics from IITs, NITs, and IIITs are invited to give talks at the event. As part of the training, industry speakers are anticipated to speak.

REGISTRATION FEE PARTICULARS:

| | |
|-------------------------------|------------|
| Faculty and Research Scholars | Rs.750/-* |
| Industry Participants | Rs.2250/-* |

Participants need to pay the Registration Fee Online using the following details.

ONLINE TRANSFER DETAILS

Account Name: Electronics & ICT Academy NITW
 Account No: 62423775910
 IFSC: SBIN0020149
 Bank and Branch: State Bank of India, NIT (REC) Warangal

HOW TO APPLY:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/ELbobV3CGQKp9bYc9>

SELECTION CRITERIA:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (Fifty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI

IMPORTANT DATES:

| | |
|---|------------------------------------|
| Last date (Application) | 20 th May 2022 (5.00PM) |
| Selected list of candidates sent by E- mail | 21 st May 2022 |
| Duration of FDP | 8 Days |

ABOUT NIT WARANGAL:

NATIONAL INSTITUTE OF TECHNOLOGY, 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 Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations.

ABOUT NIE MYSURU:

The National Institute of Engineering (NIE), established in the year 1946, today stands 196th place among top engineering colleges in the country that include IITs and NITs as per National Institution Ranking Framework (NIRF-2021) announced by Ministry of Human Resources Development (MHRD). It is ranked 13 among India’s top Engineering Colleges, as per survey conducted by India Today (July 2021). It has been accredited by NAAC. Currently, NIE offers 7 UG and 12 PG Programs. Faculty has been the main strength of NIE. They impart their vast knowledge to the students by using conventional methods of teaching-learning process as well as contemporary ones.



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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
- 6.

| Online payment details | |
|------------------------|--|
| Reference No : | |
| Amount : | |
| Bank : | |
| Date : | |

7. Address for Correspondence :

8. Educational Qualification :
9. Subjects taught so far :

10. No. of refresher courses/workshops attended :

11. Experience (in years) :

Teaching: Research: Industry:

12. Do you belong to SC/ST : YES / NO

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

DATE

SIGNATURE OF THE APPLICANT

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “Wireless Network on Chip Architectures”, sponsored by Electronics & ICT Academy, NIT Warangal during 23rd May to 30th May 2022 at NIE, Mysuru

Signature of Head of Institution
(with seal)

Address for correspondence

Mrs. Deepthi M S,
Assistant Professor

The National Institute of Engineering, Mysuru
Email: deepthims@nie.ac.in
Mobile: 9986330155

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form has to be uploaded in the following online registration link.

Registration Link:

<https://forms.gle/ELbobV3CGQKp9bYc9>

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:

<https://nitw.ac.in/eict>

For more enquiries please contact:

Deepthi M S

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Coordinators

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