ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON

VLSI DESIGN TOOLS, TECHNIQUES AND APPLICATIONS

(10th– 17thAugust, 2020)
Organized by
E & ICT Academy, National Institute of Technology, Warangal.
in association with
Department of ECE, Vishnu Institute of Technology (A), Bhimavaram, AP.
(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, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes 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 entrepreneurialactivities.

About the FDP:
An integrated circuit is broadly defined as a very-large-scale-integration of electronic components to realize a function as part of the system. ICs are at the heart of the rapid developments in mobile telecommunications, multimedia, the internet and numerous other applications. IC design can be divided into the broad categories of digital, analog and mixed signal IC design. In a Mixed Signal IC design, typically Digital and analog functions are put together on the same silicon substrate. Modern ICs are enormously complicated. With the advances in technology, there has been tremendous demand on developing fast and energy efficient ICs suiting the state-of-the-art applications of industry. This faculty development program intends to bring the leading academicians to exchange knowledge on recent innovations and insights in various fields of VLSI design. The FDP is designed to address both analog and digital design aspects.

Major Course Contents:
- Overview of IC Design
- Aspects of IC Design
- Introduction and Device Characteristics
- Analog IC Design
- Digital IC Design
- Semicustom IC Design/PLD
- Introduction to EDA tool
- Op Amp Design and Compensation
- VLSI Signal Processing
- VLSI Communication System Design
- Mixed Signal Design/RF IC Design
- FDGA/VHDL

Faculty conducting this programme:
The programme will be conducted in online mode by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility:
The programme is open to faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

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

The fee is to be paid either in the form of DDs or online transfer using the following details:

Online Transfer Details
Account Name: **Electronics & ICT Academy NITW**   Account No: **62423775910**   IFSC: **SBIN0020149**

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

https://docs.google.com/forms/d/e/1FAIpQLSe1FrpqHkamhcVYv_P0gwQ mFMrTh7ipogBMuJCGL4kOypJk6g/viewform?usp=sf_link

Selection Criteria:
Selection will be done based on first-come-first-serve basis to a maximum number of 100. Additionally 10 participants from industry are allowed toparticipate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	03.08.2020
Selection List by E- mail	07.08.2020
FDP Duration	10th-17thAugust, 2020

About NIT Warangal:
National Institute of Technology, Warangal is the first among17 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. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About VITB:
Vishnu Institute of Technology was established in the year 2008. Over a decade, this institute has witnessed significant growth and stands out as one of the best engineering colleges in AP. This institute is accredited by NAAC twice with 'A++' grade (3.51/4) with its validity up to 2024. The institute has attained autonomous status for 10 years from the year 2019. Indian Merchant's Chamber (IMC) recognized the services of VIT with its Ramakrishna Bajaj National Quality award in educationsector (2010, 2011, 2017) and Asia Pacific Quality Organization (APQO) – Best in class Award (2012, 2018).

APPLICATION FORM

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

Reference No:
Amount:
Bank :
Date:

7. Address for Correspondence:

8. Educational Qualification:

9. Subjects taught sofar:

10. No. of refresher courses/workshopsattended:

11. Experience (inyears):

   Teaching: Research: Industry:

12. Do you belong to SC ☐ ST ☐

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 Coordinatorin case, I am unable to attend thecourse.

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 **"VLSI design tools and techniques"**, sponsored by Electronics & ICT Academy during **10th– 17thAugust, 2020**.

Signature of Head of Institution
(with seal)

Address for correspondence
Post your application form with DD to

Dr. N. Padmavathy, Professor and Head
Dept. of ECE
Vishnu Institute of Technology
Vishnupur, Bhimavaram – 534202
Andhra Pradesh, INDIA

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://docs.google.com/forms/d/e/1FAIpQLSe1FrpqHkamhcVYv_P0gwQmFMrTh7ipogBMuJCGL4kOypJk6g/viewform?usp=sf_link

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:
https://nitw.ac.in/eict

For more enquiries please contact:

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Coordinators

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