One Week
Online Short Term
TrainingProgramme
on

Mixed Signal & Radio Frequency VLSI Design

STTP 1:-23<sup>rd</sup>Nov.to 28<sup>th</sup>Nov. 2020

STTP 2:-07<sup>th</sup> Dec. to 12<sup>th</sup> Dec. 2020

STTP 3:-14<sup>th</sup> Dec. to 19<sup>th</sup> Dec. 2020

# **Sponsored by**

All India Council for Technical Education, New Delhi

# **STTP Coordinator**

Dr. R. S. Gamad

### **Co-coordinator**

STTP 1: Mr. Virendra Verma & Mr. R.R.Maharana

STTP 2: Dr. P. P. Bansod & Mr. R. C. Gurjar

STTP3: Mr. Rajesh Khatri & Mrs. Neha Pande



Department of Electronics & Instrumentation Engineering

Shri G. S. Institute of Tech. and Science 23 Sir M. Visvesvaraya Marg, Indore, Madhya Pradesh 452003

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Dr. Vaibhav Neema (IET-DAVV)

# **STTP COORDINATOR**

Dr. R. S. Gamad(Professor& Head, EIE)

### **CO-COORDANATOR**

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### **About the Institute**

Shri G. S. Institute of Technology and Science, Indore was established in 1952. SGSITS is recognized as a leading institute in the state of Madhya Pradesh and the western region consistently during its glorious journey of sixty years. It has been ranked among top 30-40 institutes on national level (including IITs and NITs) by independent bodies. Further looking to its credentials, All India Council for Technical Education (AICTE) and University Grant Commission (UGC), New Delhi, has declared the institute as autonomous in 1989. Under the autonomous state, the institute is affiliated to the Raiiv Gandhi Prodyogiki Vishwavidhyalaya (university of technology of M.P.) Bhopal. The institute offers ten UG courses (Regular), four UG courses (Part time), PG programs with twenty-two specializations, two part time PG courses in various disciplines under the emerging areas of Engineering, Technology, Applied Sciences, Computer Applications, Management & Pharmacy.

# **About the Department**

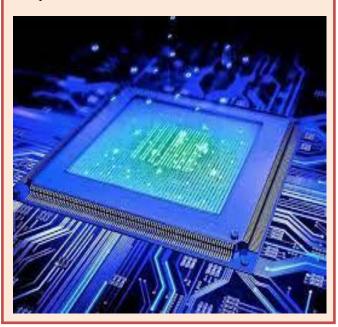
The Department of Electronics & Instrumentation Engineering was established in 1984. The Department offers Bachelor of Engineering in Electronics & Instrumentation Engineering and Master of Technology in Electronics & Instrumentation with specialization in Microelectronics & VLSI Design. The Department has the excellent facilities for the research in field of RF IC design, System on chip design. Biomedical Signal processing. The department has well established laboratories in the related fields. Alumni of the Departments have pursuit higher studies from various IITs and are placed in reputed organization.

## **Broad Topics to be covered in STTP**

- Recent Developments in Mixed Signal VLSI
   Design
- Recent Developments in RF VLSI Design
- Device Modelling: MOS Devices (Double Gate, FinFETS etc.)
- CAD Tools, VLSI Interconnects, RFIC
   Design
- Digital System Design With FPGA
- FPGA in IOT

### **Resource Persons**

Faculties from IITs, NITs, IIITs and other reputed institutes and experts from industries.



# **Workshop Objective**

In Electronic industry has achieved a phenomenal growth over the last few decades, mainly due to the rapid advances in integration technologies and large-scale system design. The ability to design VLSI circuit is an increasingly important, if not essential, attribute of the professional engineer and electronics scientists. Indeed, the applications of VLSI promise to be widespread and the need to design will extend beyond the boundaries of electronics engineering into wide range of disciplines. Thus, there exists significant need for education in the VLSI in easily assimilated but yet comprehensive form. This course on "Mixed Signal & Radio Frequency VLSI Design" is well balanced and structured course specially designed to cover every aspect from fundamentals to chip design.

# **Participation**

Faculty from Technical Institutions, Research Scholars (Ph.D and PG), Professionals working in Industry and Gov. Organizations are eligible to attend the Workshop. Ecertificate will be provided on course completion to the participants with minimum80 percent attendance and scored minimum 60 percent marks in quiz which has to be conducted at the end of the program.

# Registration

Candidates should complete the registration through online in the provided link. Participants can register in any one STTP. Confirmation of eligible candidates will be on a first come first served basis. The confirmation will be sent to you to your registered mail id on or before 22/11/2020.

- No fee will be charged from participants.
- Link for registration: <a href="https://forms.gle/XR2DvLCRwaRC2f">https://forms.gle/XR2DvLCRwaRC2f</a>
   <a href="https://forms.gle/XR2DvLCRwaRC2f">TD7</a>
- Participants can register in any one STTP
- The brochure of the program may be downloaded from the Institute website www.sgsits.ac.in
- Last date of registration: 20.11.2020
- Confirmation will send to the registered mail id on or before 22.11.2020

