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| **REGISTRATION FORM** A Faculty Development Program (FDP) on**SIGNAL PROCESSING IN INSTRUMENTATION AND COMMUNICATION - RECENT ADVANCES** **SPICRA- 2019**25-30th Mar 20191. Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Designation & Dept : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Academic Qualifications: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Yrs of Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Address for communication:

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2. E-mail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*This is to certify that the above information furnished by me is correct to the best of my knowledge and belief.*Date: Signature of the applicant**(Head of the Institution/ Department)** **(Seal)** | **ADVISORY COMMITTEE****CHIEF PATRON Prof. C.R.Tripathy** Vice Chancellor BPUT, Odisha **PATRON Prof. P K Patra** Principal, CET  **TEQIP COORDINATOR Prof. L.N.Panda**  **TEQIP NODAL OFFICER Prof. K.N.Das** (Finance) **CHAIR PERSON Prof A Tripathy** (Head, I & E Dept.) **COORDINATORs Dr. A.Tripathy**  **Dr. K.C. Bhuyan** **Ms. R.R. Sahoo****ORGANIZING COMMITTEE*** **Prof S.Behera, PIC Administration**
* **Prof P.K.Satapathy, PIC Students Affairs**
* **Prof A.K.Barishal, PIC Academics**
* **Prof A.K. Mohanty, HoD Mechanical Engg**
* **Prof D.P.Satapathy, HoD Civil Engg**
* **Prof M.Viswavandya, HoD Electrical Engg**
* **Prof R.K.Dash, HoD IT**
* **Prof J Mishra, HoD MCA**
* **Prof S.Mohapatra, HoD Comp. Sc & Engg**
* **Prof M.N.Patnaik, HoD, Bio-Tech. Engg**
* **Prof B.P. Dash, HoD Textile Engg**
* **Prof A.K.Dash HoD F &AT Engg**
* **Prof B.Ojha, HoD Physics**
* **Prof G.Pradhan, HoD Math and Humanities**
* **Prof Chandrabhanu Mishra, I&E Engg**
* **Prof T.K.Patra, I&E Engg**
* **Prof M.C.Tripathy, I&E Engg**
* **Prof A. Tripathy, HoD I&E Engg**

 **How to apply**: Interested candidates need to apply in prescribed format to the conveners. The no. of seats is limited to around 40. The participants will be selected on first cum first serve basis.  | **TEQIP-III SPONSORED****FACULTY DEVELOPMENT PROGRAMME** ***on*****SIGNAL PROCESSING IN INSTRUMENTATION AND COMMUNICATION - RECENT ADVANCES 2019****SPICRA- 2019****(Mar 25-30, 2019)**http://www.cet.edu.in/images/home_04.jpg **COORDINATORS** **Dr. A.Tripathy****Dr. K.C. Bhuyan****Ms. R.R. Sahoo**Organized byDepartment of Instrumentation and Electronics Engg, BhubaneswarCollege of Engineering and Technology (CET), Bhubaneswar (Autonomous)*(A constituent college of BPUT, Odisha)*Ghatikia, Techno Campus, Bhubaneswar-751003 Website: **www.cet.edu.in**.  |

# INTRODUCTION

The Department of I&E, CET, Bhubaneswar is going to conduct a Faculty Development programme on “***Signal Processing in Instrumentation and Communication-Recent Advances***” at CET, Bhubaneswar from 25th- 30th December, 2019. The FDP is a unique opportunity to participate and understand the recent developments in instrumentation as well as electrical communication for dealing with future challenges which is essential for one’s professional growth and sustainability in this dynamically changing technology scenario. This program will give participants a broad understanding of different methodologies and techniques applied in the field of instrumentation and communication. The prime objective of the FDP is to develop and update the basics and to be aware of the current trends of technologies in this field. This is likely to enhance research and developmental activities among faculties. The programme is generic in nature for satisfying the needs of faculty members pursuing their higher studies from academic institutions of different disciplines. The lectures will be delivered by faculties from IITs, NITs, scientists from central institutions and also experienced personnel from Industries. The course content is also helpful to faculties from other disciplines like Electrical Engg, Mechanical Engg (working in the field of Mechatronics) and most circuit branches**.** Therefore,Department of Instrumentation and Electronics Engineering, CET Bhubaneswar takes this opportunity to extend a hearty invitation to all to attend the FDP.

# Course Contents

# Overview, History and brief idea about Instrumentation in general

# Applications of modern signal processing in various aspects of instrumentation

# Applications of soft computing

# Advances in Electrical communications

# Signal processing for IF/RF, optical communications

# Biomedical Instrumentation

# Exposure to instrumentation and communication in MATLAB /LABVIEW/FPAA/DSP kits

 **Registration Fee:**

**Internal participants: Nil**

**Outside participants: Rs 1000/-**

 (Drafts should be prepared in favour of Principal, CET, Bhubnaeswar)

 **Accommodation:**

The participants will arrange their own accommodation.

**TA/DA:** No TA/DA will be given to the participants

**How to reach:**

The college is located at Techno Campus, Ghatikia, Kalinga Nagar, Bhubaneswar, Odisha, Odisha. About 2 Kms away from Khandagiri cave (Tourist spot), 3.5 Kms from govt bus stop (Baramunda), 11 kms from Bhubaneswar railway station and 7 kms from airport approx.

**Important Dates**

Last date for the receipt of duly forwarded applications: **15 Mar 2019**

Intimation to participants: **16~20 Mar 2019**

**For details, visit website: www.cet.edu.in**

**Contact**

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 **Official** **e-mail: hodie@cet.edu.in**

# About the College

College of Engineering and Technology (CET) was established in the year of 1981 to meet the growing technical manpower need of the state. Initially it was under control of OUAT. Later it has become a constituent college of Biju Patnaik University of Technology, Rourkela with effect from 09.07.2002 as per section -37(1) of BPUT act 2002. At present the institute is running in a new campus having an area of 100 acres at Kalinga Nagar, Bhubanesawr about 2 Kms away from Khandagiri. The college offers a five-year under-graduate degree course in Architecture and four yr degree courses in Biotechnology, Civil Engg, Electrical Engg, Computer Sc & Engg, Electrical Engg, Fashion and Apparel Technology, Information Technology, Instrumentation & Electronics Engg, Mechanical Engg and Textile Engg. Out of above above nine programs, four courses like Comp Sc & Engg, Biotechnology, Information Technology and Fashion Technology are running as Self-financing courses. In addition to above UG programs, there are several PG programs in various departments. It is a premiere institute in the State of Odisha during last three decades. CET has established its reputation for its excellence in teaching combined with professional development of its students and staff.

# About the Department

The Department of Instrumentation and Electronics Engg is one of the premier departments of the institution. It was established in the year of 1992 with an intake of 30 students. Now the student strength has been increased to 120 in UG and three new PGs (Electronics & Instrumentation, Signal Processing and Electronics & Communication Engg). The placement status of the department, which has been a record for the institution, is more than 95% till date. The department has well-equipped laboratories with facilities in different domains like Process Control, Instrumentation Device Lab, Instrumentation System Lab, VLSI Lab and Communication Lab. Also computing facilities like MATLAB, LABVIEW, VLSI (Xilinx) and Code composer Studios are available for the students and faculties.

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# Facilities

Arrangements for working lunch and tea snacks will be made by the institute during the program. There is no provision for TA/DA/accommodation for the participants. However, on prior request nearby Hotels may be booked on behalf of the participants on payment basis. Certificates will be provided only to those participants, who attend the FDP for the whole duration.