Govt. College of Engineering Nagpur

In collaboration with

Integrity Robotic Solutions PVT. Ltd.

DTE Sponsored One Week Short Term Training Programme (STTP)

on

"Recent Trends in Wireless Communication Design and Control"

January 13th -17th, 2020

REGISTRATION FORM

1) Name: _____
2) Designation: _____
3) Department: _____
4) Address for correspondence:
_____
_____
5) Phone/ Mobile Number: _____
6) E-mail: _____
7) Educational Qualification: _____
8) Experience: _____

Place: Signature of applicant
Date:

Mr./ Ms./ Dr. _____ is
an employee of this institute and is hereby
sponsored to attend the course, if selected.

(Signature of Head of the Institute with Date)

Chief Patron

Hon. Dr. Abhay E. Wagh
Director, Directorate of Technical Education, M.S. Mumbai

Patrons

Hon. Dr. Ram Nibhudey
Jt. Director, Directorate of Technical Education, Nagpur Regional Office, Nagpur

Dr. M. B. Kumthekar
Principal
Govt. College of Engineering Nagpur

Coordinators

Dr. P. R. Deshmukh   **Dr. Rajeshree Raut**
(Head, ETC)   (Dean, SA)

Associate Professor,
Dept. of Electronics & Telecommunication Engineering

Co-Coordinators
Prof. S. B. Nagrale , Prof. S. K. Meshram,
Assistant Professor

Local Advisory Committee

Dr. N. D. Ghawghawe , Head Electrical Engg.
Dr. Latesh Bhagat, Head CSE
Dr. Kiran Tajne, Head Civil Engg.
Dr. R. R. Chaudhari , Head Mech Engg.
Dr. A. W. Athawale, Dean T&P
Dr. P. B. Daigavane, Dean Infra
Dr. K. N. Kadam, Head, Applied Mechanics
Dr. C. P. Kalambe, First Year Coordinator

"Cradle of Engineering Excellence"

Govt. College of Engineering Nagpur

In collaboration with
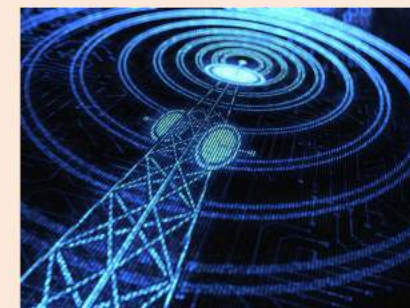
Integrity Robotic Solution, PVT.Ltd.

Organizing
DTE Sponsored Short Term Training Programme

on

"Recent Trends in Wireless Communication Design and Control "

January 13th -17th, 2020

Organized by
Department of Electronics & Telecommunication Engineering
Govt. College of Engineering,
Sector 27, MIHAN Rehabilitation Colony
Khapari (Rly), Nagpur (M.S.) – 441 108

ABOUT THE INSTITUTE

Government College of Engineering, Nagpur was established in 2016. It is approved by AICTE New Delhi and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur. The Institute offers five UG programmes viz. Civil, Mechanical, Electrical, Electronics &Telecomm. and Computer Science & Engineering. The institute has its own campus spread over 12 acres of land. In a short period, the college has developed a good reputation in Vidarbha and has aimed to achieve the goals as per the Vision. The Institute has established the bonds with premier organization of India so as to enhance the quality of technical education to cater the needs of industries, public sector undertakings, institutes and community in general.

ABOUT THE DEPARTMENT

The primary objective of the department is to impart quality education, training and research at the undergraduate, postgraduate and doctoral levels in various areas of Electronics and Telecommunication Engineering with broad emphasis on design aspects of electronic systems. Here the students are given more practical exposures and innovative methodologies for the design and development in the electronics field, which is the backbone for all Engineering disciplines. It offers an excellent field infrastructure and study environment. It has well qualified and experienced faculty with areas of specialization in communication systems, Signal and Image processing, embedded systems and VLSI.

ABOUT THE COURSE

The basic objective of the program is to bring together academicians and experts from different institutions and industry to exchange knowledge and ideas in the field of Communication and Embedded System Design. This will provide an in depth analysis of design subjects and update the knowledge of the participants from academic research institutions. The Short term Training program on Recent Trends in Wireless Communication Design and Control provides all the necessary and important aspects needed for development of Communication and Embedded system in a virtual environment theoretically as well as practically. The participant will be provided with a hands on training on a suitable environment to extend, improve, integrate, refine and assist the learning and or experimentation process of different subjects thus contributing to an increase of the effectiveness of scientific research and widening the use of scarce or costly equipment using virtual environment for wireless applications.

- COURSE CONTENTS –

1. Introduction to cognitive radio system
2. Overview and introduction of software defined radio communication system using GNU radio signal processing and development environment.
3. Hands on implementation using SDR platform and its application.
4. Overview and implementation of embedded system architecture and design.
5. Brief about controllers / Processor used in embedded system design.
6. Application design with microcontroller in virtual environment.
7. Automation and control using Robots.
8. Customization of robot for wireless robot for wire less application.

ELIGIBILITY

The course is open to the Full time teachers of Electronics/Electrical/ComputerScience/IT from AICTE approved Government/ Government Aided Engineering Colleges or Government/ Government Aided Polytechnics or University Departments.

REGISTRATION

No course fee is charged for participants of AICTE approved Government/ Government aided Institutions. The scanned copy completed registration form should be sent to either of the mail ids given as mentioned in contacts or be sent by post so as to reach the office within due date. The selected participants will be intimated through e-mail after final selection.

IMPORTANT DATES

Last Date of Registration : 01.01.2020
Selection of Participants : 10.01.2020
Commencement of Course : 13.01.2020

ACCOMODATION AND TA/DA

TA / DA will be provided by the Institute to all the participants as per prevailing norms. Free lodging and boarding facilities will be provided to outside participants on prior request.

CONTACT

Dr. R. D. Raut
M-9822797046
Mail:raut.rajeshree@gmail.com
Office-contact: 07103-202012
Mail: pr_deshmukh@yahoo.com