

**AICTE Sponsored Quality
Improvement Short Term Course**

on

“Internet of Things (IoT) Research Initiative”

10th December to 15th December 2018

REGISTRATION FORM

1) Full Name (in Block Letters): _____

2) Designation: _____

3) Department: _____

4) Organization: _____

5) Qualification: _____

6) Experience: _____

7) Address: _____

8) Mobile No.: _____

9) E-mail: _____

10) Accommodation Required: Yes / No

11) Details of Demand Draft:-

DD No.: _____ Date: _____

Bank Name & Branch: _____

Place: _____ Signature of applicant

Date: _____

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

Signature

Office Seal

Head of the Institution

CHIEF PATRON

Dr. Abhay Wagh

Director, Directorate of Technical
Education, MS, Mumbai

Er. Sanjay Jadhao

Chairman, BoG

Govt. College of Engineering, Amravati

PATRON

Prof. Dileep N. Malkhede

Advisor-I (RIFD), All India Council for
Technical Education, New Delhi

Dr. D. V. Jadhav

Joint Director, Technical Education,
Regional Office, Amravati

Dr. R. S. Dalu

Principal, Govt. College of Engineering,
Amravati

CONVENER

Prof. A. V. Deorankar

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COORDINATOR

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**AICTE SPONSORED
Quality Improvement Short Term Course**

On

**“Internet of Things (IoT) Research
Initiative”**

(10th December to 15th December 2018)



Organized by

**Department of Computer Science &
Engineering**

**Government College of Engineering,
Amravati**

*(An Autonomous Institute of Government of
Maharashtra)*

**Kathora Naka, VMV Road, Amravati – 444604
(Maharashtra, India)**

Phone No.: +917212531929, Fax: +917212531931

Website: <http://www.gcoea.ac.in>

ABOUT THE INSTITUTE:

Government College of Engineering, Amravati was established in 1964. The institute has been awarded an autonomous status in the year 2006 by Government of Maharashtra and affiliated to Sant Gadge Baba Amravati University, Amravati. Institute offers seven UG and eight PG program in engineering disciplines. The institute has its own campus spread over 105 acres of land. Over the years, the college has developed by leaps and bounds in to a premier institute of India, catering to the needs of industries, public sector undertakings, institutes and community in general.

. The institute has successfully completed World Bank assisted project under Technical Education Quality Improvement Program (TEQIP) Phase-I and Phase-II by Govt. of India. The Institute stood at 31st rank all over India as per outlook survey report 2018.

ABOUT THE DEPARTMENT:

Department of Computer Science & Engg. was established in 1986. Department offers B. Tech. program & M. Tech. program in Computer Science & Engg. discipline, with intake capacity of 60 and 18 respectively. The department is accredited three times by NBA. The department has well equipped laboratories, research facilities with highly qualified and experienced faculty. Laboratories in the department are recognized as the place of research by Sant Gadge Baba Amravati University.

ABOUT THE RESOURCE PERSON:

Experts from well-known premier institutes:-

Dr. S. B. Nair, Professor, IIT Guwahati

Dr. M. H. Kolekar, Associate Professor, IIT Patna

Dr. P. N. Mahalle, Professor, SKNCOE Pune

COURSE CONTENTS:

During course the participants will be exposed to following broad topics:

- 1) Introduction to IoT: How is IoT changing the world, and impact of IoT in research
- 2) IoT Overview: Technical Building Blocks
- 3) IoT Issues, Challenges and Use cases
- 4) Basics of Networking, IoT Protocol Stack and Sensor N/w
- 5) IoT in Health Care
- 6) Iot based Intelligent Traffic Congestion Control System and its challenges
- 7) Implementation of Cyber Physical Systems/ IoTs using agents
- 8) Demonstration and Hands-on Raspberry Pi and Tartarus software
- 9) Application Development
- 10) Use of IoT in Research Areas

ELIGIBILITY:

The course is for all full time teachers of Computer Science & Engineering/ Information Technology/ Computer Technology/ Electronics & Telecommunication Engineering discipline, from AICTE approved Technical/ Engineering Colleges/ Polytechnics/ Universities.

REGISTRATION DETAILS:

Caution money (refundable) of Rs. 1,000/- (Rs. one thousand only) per participant is to be paid in the form of Demand Draft drawn in favor of **“Principal, Government College of Engineering, Amravati”**, payable at Amravati along with the registration form duly filled and signed by Head of the Institution. In case the selected participant does not attend the course the above amount will be forfeited.

The completed application form should be submitted on or before **05th December 2018**. To avoid delay in postage, the applicants can send scanned copies of DD and registration form by E-mail to course coordinator and send the original DD & registration form by speed post/ courier. The selected participants will be informed by e-mail only, latest by **07th December 2018**.

ACCOMODATION AND TA/DA:

TA / DA will be provided by this institute to all the participants as per prevailing government norms. For outstation participants shortest route two-way second class (sleeper)/ III AC railway fare/ Non-AC bus fare shall be provided along with free lodging and boarding facilities on sharing basis in the GCOEA hostel.

HOW TO REACH:

Government College of Engineering, Amravati is situated about 15km from Badnera Railway station and 4km from Amravati Bus station.