

Objectives:

The course would provide an excellent opportunity for the participants to interact with each other and discuss problems and solutions of mutual interest. The course is focused on smart energy management using IoT which is going to impact future power systems in a massive way.

Brief Content:

- Math and computation.
 - Algorithm development.
 - Modeling, simulation, and prototyping.
 - Data analysis, exploration, and visualization.
 - Scientific and engineering graphics.
 - Application development, including Graphical User Interface building.
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- Introduction to IoT:
Overview and Architecture
 - Wearables. ...
 - Smart City. ...
 - Smart Grids. ...
 - Retail

Target Audience-

Research Scholars, Undergraduate students and Postgraduate students from academic institutes would be benefitted from the course. The course will also be useful to the utilities, industry.

Resource Person-

The Program faculty includes experts from IITs, NITs, and reputed Technical/ engineering Institutes, experts from industries.

Registration-

- Interested candidates can register online.
- The workshop will be conducted online.
- Selected participants will be informed via e-mail.

(Limited seats are available.)

Registration fee- Free

(All the active participant will get E-certificate)

Last Date of Registration:

**14 SEPTEMBER
2020**

Contact-

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Scan to fill up
Registration form

or

Click on this link
shorturl.at/motBQ



TEQIP - III

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME - III

Sponsored

**One-week online students national level workshop
on**

Applications of IOT & MATLAB

(15-09-2020 to 19-09-2020)

Organised by

**Department of Electrical Engineering
Government College of Engineering, Keonjhar**

Convener-

• Dr. Subhranshu Sekhar Dash
HOD(E.E), GCE Keonjhar

Coordinator-

• Prof. Rakesh Rajan Shukla, GCE Keonjhar
• Dr. Yogesh Kumar Nayak, GCE Keonjhar

Introduction about MATLAB & IOT :

MATLAB is a special-purpose language that is an excellent choice for writing moderate-size programs that solve problems involving the manipulation of numbers. The design of the language makes it possible to write a powerful program in a few lines. The problems may be relatively complex, while the MATLAB programs that solve them are relatively simple: relative, that is, to the equivalent program written in a general-purpose language, such as C++ or Java. As a result, MATLAB is being used in a wide variety of domains from the natural sciences, through all disciplines of engineering, to finance, and beyond, and it is heavily used in industry. Hence, a solid background in MATLAB is an indispensable skill in today's job market. The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction."

PATRON -

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Principal, GCE Keonjhar

CONVENER-

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HOD(EE), GCE Keonjhar

CO-CONVENER-

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About the Institution:

Government College of Engineering (GCE), Keonjhar stands in pride and honour imparting the true colours of learning and wisdom. It is the only government college providing Engineering and Technical education in North Odisha. GCE, Keonjhar was established in year 1995, having seven branches in engineering imparting quality education & has well-equipped laboratory facilities. In the year 2006, the Government of Odisha declared it as a constituent college of Biju Patnaik University of Technology, Odisha under self-sustaining mode to develop it as a center of excellence in the field of Engineering & Technology. Government of Odisha declared it as a full-fledged Government Engineering College in the Year 2011 observing its rising excellence and potentiality in growth.

About the Department:

The Department of Electrical Engineering started in the year 1997. The department is at the forefront of the academics and this has been possible due to the enthusiastic participation of the students and faculty members. It offers UG program in Electrical Engineering to the aspiring students. Apart from the subject course curriculum, the department stress upon various student projects on advanced research areas related to Electrical Engineering to create a research ambience among the undergraduate student community. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. The department has distinguished highly qualified faculties and the faculties have been carrying out research on many cutting-edge technologies and regularly publishing research papers in top international journals.
