



Workshop
on

**PYTHON PROGRAMMING AND ITS
APPLICATION IN ENGINEERING**

Series-1

Dec. 16-17,2022

Jain College of Engineering, Belagavi

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Institution: _____

Address: _____

Contact Number: _____

E-mail id: _____

DD No /Online Payment Ref No

_____ Bank _____

Date _____ Place _____

Applicant's Signature

Seal and signature of the

Head of the Institution/sponsoring Authority

(Please send scanned copy of registration form by E-mail to:

hod.ee.jce@gmail.com)

For online Registration visit

<https://tinyurl.com/mr3yhaf6>

or Scan QR code



*Note-Spot registrations subject to availability only

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JGI Group, Bengaluru.

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APPLICATION IN ENGINEERING**

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in
Association with
IE(I) Students' Chapter (Electrical)



Organized by

Department of Electrical & Electronics Engg
JAIN COLLEGE OF ENGINEERING

(Approved by AICTE, affiliated to VTU Belagavi, &
recognized by Govt. of Karnataka)

T.S Nagar, Hunchanhatti Road, Macche
Belagavi, Karnataka 590014

Tel: 0831-2411192

website: www.jce.ac.in

INSTITUTION PROFILE

Jain College of Engineering, Belagavi is under the flagship of JGI Group of Institutions. The guiding spirit and driving force for all the achievements and progress of our institute is the Chairman Dr Chenraj Roychand, Chairman of JGI Group. A visionary leader, educationist, social entrepreneur, and angel investor, he has been promoting the educational and entrepreneurship. JCE Belagavi is one of the top-quality institutions in India. Since its inception in 2010, the institute has established itself as a centre of high repute engaged in imparting quality education through innovative teaching learning process, best practices and providing support to Research and Developmental activities. The institution is recognized by AICTE, affiliated to VTU Belagavi. The institution offers Under Graduate programs in five disciplines and three Post Graduate programs across the departments.

ABOUT DEPARTMENT

The Department of Electrical & Electronics Engineering was established in the year 2010 with the intake of 60 students in UG program and PG program in "Power Systems" has also been introduced in the year 2014 with the intake of 24.

Since its inception, the Department has been playing a vital role in producing technocrats of high caliber to cater to needs of academics and the challenges in the thrust areas of Electrical & Electronics Engineering.

The Department has well equipped conventional laboratories with Necessary and adequate computing facilities & resources in the form of licensed application packages are also available.

The Department has distinguished, highly qualified, and experienced faculty members and competent supporting staff. Department has received grant of 20 lakhs from Vision Group of Science & Technology under the guidance of Dr. G.H. Kulkarni. The faculty of the Department has been constantly carrying out research on many cutting edge technologies, regularly publishing papers in reputed national and international journals. The Department also undertakes consultancy works, both from government and industry.

DEPARTMENT VISION

To impart quality technical education for creating competent technocrats with moral values in the field of Electrical Sciences to contribute for the betterment of the society.

DEPARTMENT MISSION

- Develop ability of comprehensive understanding of state of the art, knowledge in electrical engineering concepts.
- Take up research and carve expertise in the field of electrical engineering with holistic approach for contributing to nation building.
- Ingrain the sense of creative thinking, participation and team work.

ABOUT WORKSHOP

Python has extensive industrial applications in the areas of Electronics & Electrical engineering, such as Signal processing, image processing, control system engineering, embedded systems (Micro Python), data visualization, automation, test equipment automation (HIL), IoT, power electronics, prediction of electrical motors or components maintenance. Python gives a better view of logical, structured, and ordered thinking. It is one of the oldest yet modern programming languages known for its versatility. It can be learned and implemented by anyone, irrespective of their field. Further, it is an object-oriented, high-level programming language with dynamic semantics. It has high-level built-in data structures combined with dynamic typing and binding, making it very attractive for Rapid Application Development and for use as scripting to connect existing components. Python's simple, easy-to-learn syntax emphasizes readability and reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. It is also used by developers and non-developers alike. This program aims to teach students how to program in Python and prepare them for a career in Engineering Field. The program starts with basic concepts in python programming and takes the learners to the most advanced topics in python programming. programming and takes the learners to most advanced topics in python programming.

RESOURCE PERSONS

The resource persons for the workshop will be from reputed Institutions, and in-house experts.

REGISTRATION FEE

The Registration fee is Rs 50/- only for students Registration can be done by filling Google form along with payment proof (for online Bank transfer)
* Participation certificate will be issued for those who attended all sessions successfully

Account Name: M/S Student Chapter Electrical IE(I)
Jain College of Engineer
Account Number: 15300100045886
Branch: Federal Bank Ltd Belgaum/ Tilakwadi
IFSC Code: FDRL0001530
MICR Code: 590049004

IMPORTANT DATES

Last date of receipt of application: 15/12/2022

* First come first serve. Restricted to only 30 participants.

TOPICS TO BE COVERED

Session 1

Basic python coding, exploring various constraints, understanding and installation of IDE's (spider, Jupiter note book) NumPy installations, and its use

Session 2

Modelling and analysis of Electrical Circuits using python

Session 3

Python application to control system and electric circuit analysis

*All lecture series are followed by hands on session