Overview of the Training Program:
The online mode of education, in the view of COVID-19 pandemic has thrown many challenges which are forcing us to identify and use suitable Educational technologies and resources. As simulation experiments are to be carried out by the students away from institute campus, there is an urgency to use open resources. In this regard, faculty and students have started exploring the suitable open source tools. However, they face some difficulties in adopting to new software in shorter span of time.

This program is designed to provide online training to the students on Sci-lab, which is a free and open-source, cross-platform numerical computational package and a high-level, numerically oriented programming language. With corresponding toolboxes, Sci-lab is useful for students of different engineering branches.

Objectives of the Training Program:
To facilitate the learner to
• Understand the significance of Computational tools.
• Understand and apply SCILAB as computational tool.
• Apply SCILAB for solving complex models in circuit domain.
• Apply SCILAB for Real-time control.
• Understand how to be a contributor to the open source community.
The Teaching Learning Centre (TLC) has been established at NIT Warangal with grants from the MHRD, through its Centre for Educational Technology at NIT Warangal was established in 1987 with an aim of improving instructional methods. Since its inception, the centre has organized a number of seminars and short term training programs in Educational Technology to help teachers of engineering stream in acquiring effective instructional skills.

**Centre for Educational Technology NIT Warangal:**
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**Teaching Learning Centre of NIT Warangal:**
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**Brief profile of the Department of Electrical Engineering:**
The Department of Electrical Engineering was established as one of the major departments of NIT (RECW), in the year 1959. The Department is actively engaged in teaching and research in diverse fields of Electrical Engineering. It offers B.Tech, M.Tech, PhD. programs in Power Electronics & Drives, Power Systems and Smart Electric Grid (From AY 2010-21) and Ph.D program. Broad areas of expertise of the department include Design and development of Smart Grid/ Microgrid systems, Control and integration of Renewable Energy Sources, State Estimation and Real Time Control of Power Systems, AI Applications in Power Systems, Power System Deregulation, Power System Transients, Power Quality, Application of Power Electronics to Power Quality Improvement and Industrial Drives, DSP controlled Drives, Simulation of Power Electronic Converters and Drives Systems and Control of Special Machines. The Department has strong Industry interaction and is involved in various Research & Consultancy projects in coordination with industry, Governments of India, Telangana & Andhra Pradesh. The department has an MOU with Central Power Research Institute (CPRI) and PGCIL to carry out collaborative projects.

**About NIT Warangal:**
National Institute of Technology Warangal, formerly known as Regional Engineering College Warangal, established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

For any queries regarding the FDP, please contact the Programme Coordinators:

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**How to Register:**
Eligible candidates may **apply by filling the Google form** on or before **10-03-2021, 10 AM**
Google form link to register: [https://forms.gle/UXohYQanTrpAx8q17](https://forms.gle/UXohYQanTrpAx8q17)

**Registration FEE:** No Registration Fee

**Confirmation of Participation:**
On receipt of the Google Form participants will be sent confirmation of their participation through email by **10-03-2021, 1 PM**. As the programme is conducted online with the number of participants in the workshop is limited to 100. Candidates are advised to register early to avoid disappointment.

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**FIVE DAYS ONLINE STUDENT TRAINING PROGRAMME on**
“Teaching and Learning of Open-source simulation software-SCLAB”
**10th – 14th March 2021**

**Organized by the**
CENTRE FOR EDUCATIONAL TECHNOLOGY, NIT Warangal
In Association with the
TEACHING LEARNING CENTRE
(Established under the Scheme of PMMMNMTT, Ministry of Education, Govt. of India)
and
DEPARTMENT OF ELECTRICAL ENGINEERING, NIT WARANGAL
Registration Form

To be filled-up through the following link:
[https://forms.gle/UXohYQanTrpAx8q17](https://forms.gle/UXohYQanTrpAx8q17)

1. Name:___________________________
2. Gender: Male/Female
3. Roll No.: __________________________
4. Department:________________________
5. Course: B.Tech/M.Tech/M.Sc/MBA/PhD
6. Year/Sem: ________________________
7. DOB: ___________________________
8. Email id (Institute mail id):________
9. Mobile No.: ______________________
10. AADHAAR NUMBER (mandate by the Ministry)______________________________

Declaration by the Applicant: If selected, I agree to abide by the rules and regulations of the workshop/ training programme and shall attend all the sessions and actively take part in the discussions and quizzes.

(Signature of the student)