



# Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University)

Maduravoyal, Chennai - 600 095. Tamilnadu, India.

(An ISO 9001-2015 Certified Institution)



## MGR ASSOCIATION FOR GREAT INNOVATIVE CREATORS

### Department of Electronics and Communication Engineering

Event Title	Professional Society Event IETE sponsored Seminar on "Electronic circuit Design using Online Simulation Tools"		
Objective of Event	The seminar aimed to educate attendees on the significance and application of online simulation tools in electronic circuit design, highlighting their features, advantages, and practical usage.		
Chief Guest /Speaker Details	Dr.P.Mangayarkarasi, Professor & Head, Department of ECE, Takshashila University, Tindivanam, Tamil Nadu,		
Date	03/10/2024	Time	10.00 AM to 12.00 PM
Venue	University Auditorium	No. of Participants	250

## REPORT

### TITLE

Professional Society Event IETE sponsored Seminar on "Electronic circuit Design using Online Simulation Tools"

### CONTENT

The Department of Electronics and Communication Engineering in association with IETE professional society conducted Seminar on the topic "Electronic Circuits Design Using Online Simulation Tools "on 03/10/2024 at 10.00am in the Auditorium-RA block Main campus . The event started with the welcome note by Mohana Dhivya III year ECE student introduced the guest speaker to the audience.The speaker for the event was Dr.P.Mangayarkarasi, Professor & Head of ECE Department Takshashila University.

The seminar focused on the importance and application of online simulation tools in the design of electronic circuits.Dr.P. Mangayarkarasi, an expert in the field, provided valuable insights into how these tools enhance the design process and improve learning outcomes for students and professionals alike.

#### Key Points Discussed

1. Overview of Online Simulation Tools:
  - o Introduction to various online platforms (e.g matlab, tanner, thinker cad)
  - o Features and benefits of using these tools for circuit design.
2. Advantages of Online Simulations:
  - o Accessibility: Easily accessible from anywhere with an internet connection.
  - o Cost-Effectiveness: Reduces the need for physical components and prototyping.
  - o Immediate Feedback: Users can quickly test and modify circuits, leading to



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faster learning and iteration.

3. Practical Demonstration:

- o Dr.P. Mangayarkarasi conducted a live demonstration, showcasing how to design a simple circuit using an online tool.
- o Attendees participated in real-time, allowing for hands-on experience.

The seminar concluded with attendees expressed their enthusiasm for online simulation tools. Dr.P.Mangayarkarasi emphasized the importance of staying updated with technological advancements to remain competitive in the field of electronics.

The vote of thanks given by Mohana Dhivya III year ECE. The event was coordinated by Dr. T. Vimala Professor/ECE and Mr.R.G.Balaji Assistant professor/ECE. The Department wholeheartedly thank our Honorable President for his constant support and Dr.U. Jayalatsumi HOD/ECE and all the executives for their continuous encouragement in organizing the event.

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Faculty of Engineering and Technology  
Department of Electronics and Communication Engineering  
welcomes you  
for the

Professional Society Seminar  
on  
Electronic Circuits Design Using Online Simulation Tools  
by  
**Dr.P. Mangayarkarasi**  
Professor & Head  
Department of ECE  
Takshashila University

Auditorium, RA Block  
3<sup>rd</sup> October 2024  
10.00AM to 12.00PM

r.T.Vimala  
r.R.G.Balaji  
nising Secretary

Mrs.S.Elakkiya  
Association Convener

Dr. U. JAYALATSUMI  
Head - ECE

Chennai, Tamil Nadu, India  
RAJA BLOCK, DR. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, VIJAYALAKSHMI  
MADRAS, CHENNAI - TAMIL NADU 600095  
LAT: 13.086979  
LONG: 80.197777  
03/10/24 10:58 AM GMT +05:30

## EVENT OUTCOME

Participants gained valuable insights into various online simulation platforms and their benefits, actively engaged in hands-on learning during a live demonstration, and expressed increased enthusiasm for integrating these tools into their studies and projects.

## PHOTOS



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Dr.T.Vimala/ Mr.R.G.Balaji