INSTITUION INNOVATION COUNCIL (IIC) – AVIT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Any one social media Url Link Facebook/Twitter/Instagram/Linkedln	https://www.facebook.com/share/p/rhwpxD9XB9c7EXLG/?mibextid=oFDknk		
Program Driven by IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity	Self driven activity		
Event Title	Two days Workshop on" Hands - On MATLAB Programming for Electrical Engineers "		
Resource Person	Dr. K. R. Devabalaji, Associate Professor, EEE		
Academic year	2024 - 2025	Date: 13/08/2024 & 14/8/2024	
Program Type Level 1 - Expert Talk/ Exposure Visit/ Mentoring Session (2 to 4 Hours) Level 2 – Conference / Exposure Visit / Seminar / Workshop (5 to 8 Hours) Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 8 Hours) Level 4 – Challenges/ Hackathon/ Tech Fest (Greater than 18 hours)	Level 2 –Workshop (5 to 8Hours)		
Program Theme IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	Empowering students with Practical MATLAB Programming Skills. This workshop focused on bridging the gap between theoretical knowledge and practical application, emphasizing hands-on experience to enhance participants proficiency in MATLAB, a vital tool in engineering		
Start date & End Date (DD/MM/YYYY)	13/08/2024	14/8/2024	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 600 Mins (2 DAYS)	Start Time: 9.00 AM	End Time: 3. 00 PM
Participants	Students: 33	Faculty: 09	External: -

Mode of session (online / offline) * Online Video Url compulsory	offline
Event Organizer / Coordinator Faculty Name / Department / Designation	Mrs.P.Poornima /EEE/Assistant Professor-II
Expenditure	-
Objective (100 letters only)	• Enhance MATLAB Proficiency: To provide participants with a deep understanding of MATLAB's environment and its basic operations, enabling them to efficiently execute commands for various mathematical and engineering applications. • Practical Application: To reinforce theoretical concepts through hands-on exercises, allowing participants to create and manipulate matrices and arrays, and apply MATLAB programming in practical scenarios. • Skill Development: To equip participants with essential MATLAB programming skills, contributing to their academic and professional growth in the field of electrical engineering
Benefits in terms of learning/skill/Knowledge obtained (150 letters only)	Participants gained hands-on experience in MATLAB, mastering essential programming skills, matrix manipulation, and command execution, enhancing their technical proficiency and engineering knowledge.

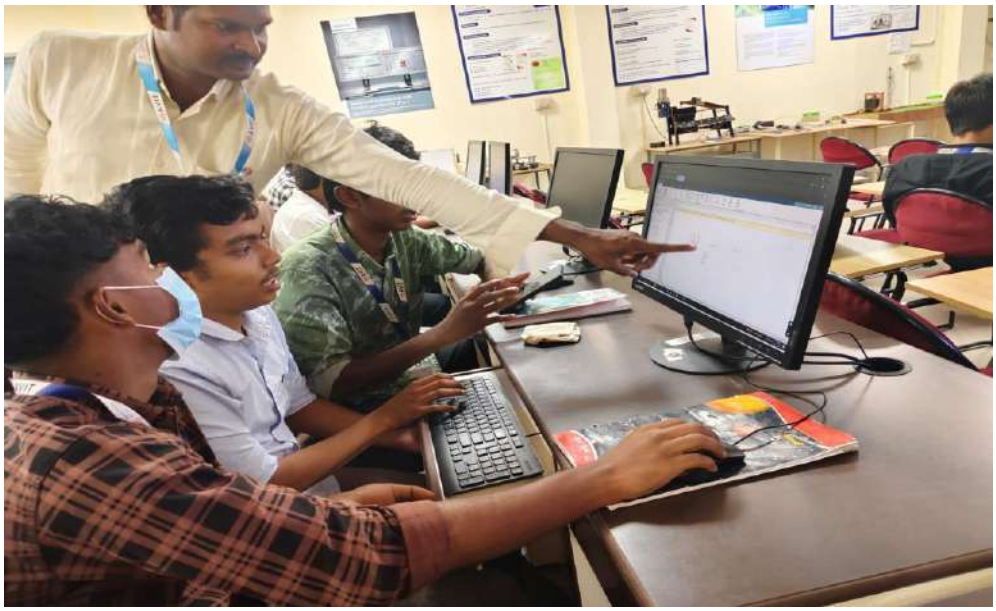
Report On Two days Workshop on" Hands - On MATLAB Programming for Electrical Engineers "

Date: 13/08/2024 & 14/8/2024
Venue: Siemens Integrated Engineering Design Lab
Time : 9.00 am to 3.30 pm

The Electrical and Electronics Engineering Department organized a two-day intensive workshop on "Hands-On MATLAB Programming for Electrical Engineers" for the students of Electrical and Electronics Engineering. Mrs. P. Poornima delivered the welcome address. Dr. L. Chitra, Professor and Head of the Electrical and Electronics Department, provided an overview of MATLAB and its importance to the students. The resource person was Dr. K. R. Devabalaji, Associate Professor, EEE. The workshop was designed to provide participants with a deep understanding of MATLAB, a powerful computational software widely used in engineering. It covered a range of topics essential for MATLAB programming. The participants were introduced to MATLAB basics, including the Command Window, Workspace, and Editor. The session also delved into advanced topics such as matrix operations, vector indexing, and built-in functions. Hands-on exercises

were conducted to solidify the concepts learned.

The participants were able to understand the MATLAB environment and its basic operations, execute MATLAB commands for various mathematical and engineering applications, and create and manipulate matrices and arrays efficiently. Participants appreciated the hands-on approach of the workshop, which allowed them to apply theoretical concepts in practical scenarios. The facilitator's expertise and teaching methodology were highly commended. In conclusion, the workshop was a significant success, with 33 participants gaining valuable skills in MATLAB programming that are crucial for their academic and professional growth in electrical engineering.



Outcome of the workshop:

- Participants developed a solid foundation in MATLAB, gaining familiarity with its environment and key features.
- Students acquired practical skills in executing MATLAB commands and performing matrix operations.
- Enhanced ability to apply theoretical concepts in real-world engineering scenarios through hands-on exercises.
- The workshop improved participants readiness for academic projects and professional challenges in electrical engineering using Matlab .

List of Participants

S.NO	REGISTER NO	NAME	SEM/BRANCH
1.	3462310503	PERARASU. S	III/EEE
2.	3462310504	VEDHACHALAM.K	III/EEE
3.	EEE2L01(5654)	PRANESH SAMY A S	III/EEE
4.	EEE2L02(5655)	MATHESWARAN A	III/EEE
5.	EEE2L03(5120)	THIRUMURUGAN R	III/EEE
6.	EEE2L04(5442)	AYILI VENKATA MOHAN	III/EEE
7.	EEE2L05(5452)	VALLELA GURU SEKHAR	III/EEE
8.	3462210501	GUNASEKARAN L	V/EEE
9.	3462210502	JOY THOMAS T V	V/EEE
10.	3462210503	MD AJAMIR KHAN	V/EEE
11.	3462210504	MD AKIF	V/EEE
12.	3462210505	MD SHAHBAZ ALAM	V/EEE
13.	3462210506	MOHD WASHIM	V/EEE
14.	3462210507	MURUGAN V	V/EEE
15.	3462210508	SAKTHIDASAN M	V/EEE
16.	3462210509	SOURANGSU CHANDRA	V/EEE
17.	3462320501	HARISH	V/EEE
18.	3462320502	RAJESH R	V/EEE
19.	3462320503	SANJAY S	V/EEE
20.	3462320504	SUJITH V	V/EEE
21.	3462353502	KEVIN KOWSHIK A S	V/EEE
22.	3462110503	KRISHAN KUMAR	VII/EEE
23.	3462110504	MITHUN KUMAR	VII/EEE
24.	3462110506	SAHIL KUMAR	VII/EEE
25.	3462220502	IRRAIANBU B A	VII/EEE
26.	3462014505	BAIDULLA ANSARI	VII/EEE
27.	3462254501	AKHIL NATH R	VII/EEE

28.	3462015515	PRABHU DEV	VII/EEE
29.	EEE7T01(5934)	SAURISH BHARATI	VII/EEE
30.	EEE7T02(5959)	NANDHA KUMAR R	VII/EEE
31.	3522110501	MANIKANDAN. B	VII/MECHATRONICS
32.	3522220502	SATHISH KUMAR. L	VII/MECHATRONICS
33.	3522355501	VIVEK VISWAN	VII/MECHATRONICS