

***“Student Skill Enhancement Drive using MATLAB & Simulink”***

***In association with DesignTech***


<b>Please tick on Program Type (✓)</b>	
Awareness/Motivational Program	Workshop/Training ✓
Faculty Development Program	Short Term Training Program
Seminar/Conference/webinar	Competition
Hackathon	Tech-Fests
Boot Camp	E-summits
Exchange Program	Exhibition of Innovative Products
Other	
<b>Please tick on Program Theme (✓)</b>	
Skill Development ✓	Research
Bridging the Gaps ✓	Innovation
Ethics	IPR
Soft Skill	Entrepreneurship
Personality Development	

- **Within Campus/Outside Campus (Please tick): within Campus**
- **Level of Event/Program (College/University/State/National/International): Department level**
- **Academic Year: 2022-23**
- **No. of Days/Weeks/Duration: 5 Days**
- **Program Start Date: 3<sup>rd</sup> Nov 2022**
- **Program End Date: : 9<sup>th</sup> Nov 2022.**
- **Organized by: Prof. N.D.Chaudhari ,Dr. P.G.Shete, Prof.M.P.Potadar, Dr.M.P.Atre**
- **Speaker/Resource Person details/information:**

<b>Ankit Kumar</b>	Ankit Kumar works as an application engineer for MathWorks at Design Tech System Pvt. Ltd. (Pune)
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**Pune Vidyarthi Griha's  
College of Engineering & Technology and G.K.Pate(Wani) Institute of Management,  
Pune-09**

**Department of Electronics and Telecommunication**

<p><b>(Application Engineer) DesignTech System Pvt.Limited, (Pune)</b></p>	<p>In this capacity, He works with academic institutions to efficiently use MathWorks resources in research and education. His area of Expertise is Model Based Design, Simulation, and Electric Vehicle.</p> <p>He has over 11 years of experience working as an academic researcher and assistant professor. He has published over 5 conference papers. Ankit holds a Bachelor degree in Electrical Engineering SPPU Pune and Master Degree In Control System from SPPU Pune.</p> <p><a href="https://www.linkedin.com/in/ankit-kumar-18860b3b">https://www.linkedin.com/in/ankit-kumar-18860b3b</a></p>
<p><b>Mr. Kunal Kandelwal (Application Engineer)</b></p> 	<p>Mr. Kunal Khandelwal is an Application Engineer – MathWorks at Design Tech System Pvt Ltd. He more than 10 years of experience. Kunal has earned his Master's degree in Electronics and Telecommunication with specialization in VLSI &amp; Embedded from SPPU University, Pune and is currently pursuing PhD.</p> <p>His interest lies in the area of Image and Signal Processing, Data Analytics and Artificial Intelligence. He is working with Education and Government customers to use MATLAB and associated tools to analyse their data, develop machine and deep learning models, and its deployment.</p> <p>He has 10+ papers publications in journals and Conference.</p>

**Session conducted in Hybrid mode**

**Objective:**

- To introduce concepts of Signal and system, control system with MATLAB fundamentals
- To provide hands on session experience on related toolboxes of MATLAB2022b.
- To get Mathworks certification for courses like MATLAB for Data Processing and Visualization, Simulink Fundamentals

<b>Date / Day</b>	<b>Day wise Topic</b>
3/11/2022	Introduction to MATLAB Programming
4/11/2022	Introduction to SIMULINK
5/11/2022	Hardware interfacing with MATLAB
8/11/2022	Image processing using MATLAB
9/11/2022	Deep Learning Using MATLAB

**Department of Electronics and Telecommunication**

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- **Participation details: Number of Internal SE Participants: 107**

- **Expenditure details:**

<b>Institute Own/Internal Fund (in Rs)</b>	<b>Total fees collected from Participants (inRs.)</b>	<b>Total Expenditure Incurred (in Rs.)</b>
Nil	Nil	Nil

- **Analysis of the feedback forms:**

1. Students got basic knowledge of MATLAB tool utilization
2. Students found session very useful and interesting.

- **Comments on Outcome of Program:**

**Students will be able**

- To understand use of MATLAB tool for concept visualization
- To use MATLAB Toolbox™ provides for Signals & System, control system etc.

Photos:

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