

A Report on Workshop on MATLAB and its Applications

Attended by: Prof. A. Anuradha, Assistant Professor , LJMCA



A Brief note on the workshop on MATLAB at BVM

A two weeks workshop was conducted by Vishwakarma Mahavidyalay (BVM) , Vallabh Vidyanagar , on “**MATLAB and its Applications**”. Moving towards an interdisciplinary approach, a combined **STTP: Short Term Training Program**, between 23rd May to 3rd June, 2016, was organised by BVM, to bridge between Production Engineering and Computer Engineering with the intension of getting optimized solution to various existing problems. The goal of this workshop was to use MATLAB as a tool for getting solutions to various problems with reference to a multidisciplinary approach. Following members were the chairpersons in the inauguration program:

1. Dr. D.C Thakor
2. Dr. Mehul S. Raval
3. Dr. F.S Umrinagar
4. Er. V. M. Patel
5. Dr. R.P. Singhal
6. Dr. A.M. Trivedi

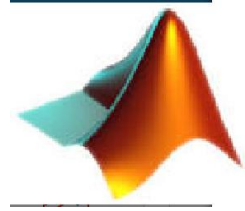
In this context **Dr. Mehul S. Raval** during his addressing in the inauguration program, appreciated the workshop and compared it with a marriage ceremony for any department. He told that it is required to remove the fear and failure mindset of the faculties and thanked BVM for such an arrangement on an advanced tool like MATLAB which can definitely remove such fear from faculty mindsets and can help in finding optimised solutions for many realistic problems.

Er. V. M. Patel, highlighted on the increased population and the current problems and appreciated for such a program which can help in holding youth for getting solutions for all problems faced by our country.

Rest of the speakers too had a talk on the current problems and the role of MATLAB in this context and were happy for such an interdisciplinary program opening the door for dealing with them.

About MATLAB

Though various tools are available for bringing solutions for many problems, MATLAB has been demanded highly by the researchers in the current scenario. The MATLAB – Matrix Laboratory of Mathworks, is a software development environment that offers high-performance numerical computation, data analysis, virtualization capabilities and application development tools. MATLAB provides immediate access to thousands of fundamental functions and algorithms with quick access.



Course Content

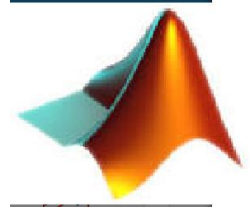
1. MATLAB Fundamentals
2. Image Processing Toolbox
3. GUI
4. Computer Vision
5. Parallel programming with CUDA
6. Neural Network Toolbox
7. Statistics and Machine learning Toolbox
8. Fuzzy Interface Systems
9. Toolbox for Mechanical, Electrical and Civil Engineering

Invited Experts

- Dr. M. A. Zaveri, SVNIT, Surat
- Experts from Mathworks
- Experts from DesignTech
- More experts form IIT, NIT and nearby Universities and colleges of Vallabh Vidyanagar

Participation from LJ

Faculties from different colleges from Gujarat attended the workshop. From our college **Prof. A. Anuradha** attended the workshop. She has been introduced with the environment of MATLAB, Tools, accompanied with assignment submission. According her, she has a wonderful experience in terms of learning, interaction with faculties from different corners of Gujrat from different disciplines.



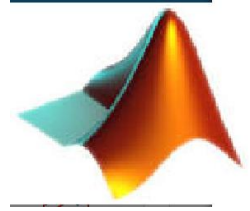
Photographs

MATLAB Team



Group Photo



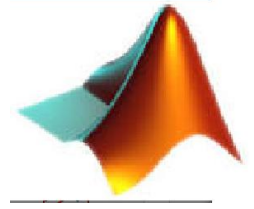


Inaugural Program



Workshop in news papers





Workshop in news papers



MATL