



REPORT ON NATIONAL LEVEL WORKSHOP ON MATLAB

Two days workshop on MATLAB was organised by department of M.Tech. Computer Science & Engineering at Abha Gaikwad-Patil College of Engineering for the students of M.Tech on 22nd & 23rd march 2014. Dr. D.K.Agrawal, management council member RTMNU, Nagpur was invited as the chief guest and keynote speaker of the inauguration of workshop.

On Behalf of college, Prof. Sonal Honale thanked the expert. The event was co-ordinated by Prof.Yogesh Bhute. Event was conducted under the guidance of Head, Department of Computer Science & Engineering and Vice-Principal, AGPCE.

<p>ABHA GAIKWAD-PATIL College of Engineering <small>(Approved by AICTE, Recognized by Govt. of Maharashtra & Affiliated to RTM Nagpur University) Moghson, Wardha Road, Nagpur-441 108 An ISO 9001-2008 Certified Institution</small></p>		<p>GAIKWAD-PATIL GROUP OF INSTITUTIONS</p>	
<p>A National Level Workshop in association with</p>			
<p>Indian Institute of Technology, Hyderabad</p>		<p>Webnet Infotech Private Ltd. Beauty Power Knowledge</p>	
<p>22nd and 23rd March 2014 @ AGPCE, Nagpur</p>			
<p>Registration Fees Rs. 800</p> <p><small>Note : Workshop kit and CD of Course Material will be provided to the participants. (1 Kit per 4 Participants)</small></p>			
<p>Chairman Prof. Sulabha Patil</p>	<p>Convener Prof. Pragati Patil (Mob. 8805000935)</p>	<p>Co-Convener Prof. Yogesh Bhute (Mob. 9503604596) Prof. Mamta Sarde (Mob. 8308831240)</p>	<p>Co-ordinator Ms. Mayuri Hazare (Mob. 7276892826) Mr. Sagar Kumar (Mob. 8983392605)</p>
<p>Course Contents</p> <ul style="list-style-type: none"> Introduction Introduction to Matlab Introduction to installation and configuration of Matlab Basic Algorithm creation using If else, While, For And Mathematical Keywords Accessing toolbox File Features Importing and Exporting Images Displaying and Exploring Images Preprocessing and Postprocessing Images Analyzing Images Geometric Transformations and Image Registration Working with Large Images Project on Image processing <ul style="list-style-type: none"> • Number plate reading in an image • Object detection in an image • Color detection • Object count in image • Edge detection in an image Image Acquisition Toolbox Introduction to image acquisition toolbox Working with video adapter Capture object from video App for Image and Video Acquisition Data Logging and Export Acquiring Image Data Triggering and Acquisition Customizations Image Acquisition Thread Project on Image Acquisition <ul style="list-style-type: none"> • Color detection in video • Movement detection through webcam • Motion sensing using webcam Communication and GUI in matlab 			
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Abha Gaikwad-Patil College of Engineering

A TWO-DAY workshop on 'MATLAB' was organised by Department of M Tech Computer Science and Engineering. Dr. D. K. Agrawal Management Council Member, RTMNU, Nagpur, was invited as the chief guest and keynote speaker for inauguration of the workshop. Aditya Jain, Research Engineer, Webnet Infotech Pvt Ltd, was invited as technical expert for conducting the workshop. Two-day hands on session on the image processing and signal processing toolbox was conducted. Hardware kits were provided to the participants and were explained about the assembling of the kit and working out practical modules over the kit. A competition was organised by forming a team of four members and each team was assigned a task. Three of the teams were selected and these teams will compete with teams from all over India at IIT Hyderabad in September. Prominently present on the occasion was Col Rahul Sharma, Director, Gaikwad Patil Group of Institutions. The event was graced by the presence of HoDs of all the departments. The programme was organised under the guidance of Prof Sulabha Patil, Dean (Academics) AGPCE and Prof Pragati Patil, Head of the Department of M Tech CSE. The faculty members of the department, Prof Yogesh Bhute, Prof Vinod Nayyar, Prof Sonal Honale, Prof T Raju and the M Tech first year students, Manisha Borkar and Pratik Hepat worked hard for making the event successful.