



Vidya Prasarak Mandal's  
**Maharshi Parshuram College of Engineering, Velneshwar**  
At: Velneshwar, Hedvi-Guhagar road, Taluka: Guhagar,  
Dist: Ratnagiri (Maharashtra) 415 729  
(AICTE & DTE approved and affiliated to University of Mumbai)

Tel No. 02359-243102/3/4  
Fax No. 02359-243102  
E-mail: mpcoe@vpmpcoe.org  
URL: www.vpmpcoe.org

## **CRITERION 6 – Governance, Leadership and Management**

### **Key Indicator -6.3 Faculty Empowerment Strategies**

**6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

<b>Sr.No</b>	<b>Metric. No</b>	<b>Document Details</b>	<b>Academic Year</b>
1	6.3.3	National Workshop on PLC and Automation	2014-15
2		Training in Scilab software	
3		Introduction to mat lab & Application	

## ADVISORY COMMITTEE

**Dr. Vijay V. Bedekar**  
Chairman VPM, Thane

**Dr. Kamlakar Desai**  
Director, VPMMPCOE

**Mr. J. N. Kayal**  
Ex. Scientist BARC

**Prof. Prakash Nakade**  
Associate Professor  
KGCE, Karjat

**Dr. Sudhakar Agarkar**  
Dean  
VPM's AIER, Thane

**Prof. D. K. Nayak**  
Principal, VPM's Poly. Thane

**Prof. D. S. Karanjkar**  
HOD. Instru. DBATU, Lonere

**Mrs. V. A. Joshi**  
HOD. Instru.  
VPM's Poly. Thane

**Prof. S. G. Hingmire**  
Ex. HOD. Instru.  
DBATU, Lonere

## ORGANIZING COMMITTEE

**Dr. Shilpa Kamat**  
Principal, VPMMPCOE,  
Velneswar

**Prof. B. A. Patil**  
HOD  
Department of Mechanical Engineering

**Prof. Avadhut Apte**  
HOD  
Department of EXTC Engineering

**Prof. Satish Ghorpade**  
HOD  
Department of Electrical Engineering

## EXECUTIVE COMMITTEE

**Prof. Santosh Shinde**  
Faculty Co-ordinator  
ISOI Student Chapter  
Mob : 09860550803

**Mr. Omkar Kulkarni**  
Technical Head  
Technicrafters, Karad  
Mob : 09890080350

**Prof. Mayuresh Patil**  
Mob : 09021682395

**Prof. Gaurav Rajwade**  
Mob : 09820742505

**Prof. Bhagyashree Mahale**  
Mob : 09762828173

**Prof. Onkareshwar Kulkarni**  
Mob. 08975852936

**Mr. Sukumar Birje**  
Mob : 7774991948

**Mr. Parshuram More**  
Mob : 8806283137

Note : All Participants will get certificate recognized by ISOI, ISTE & MPCOE

## NATIONAL WORKSHOP ON "PLC AND AUTOMATION" (13<sup>TH</sup> – 15<sup>TH</sup> FEBRUARY 2015)

### Application Form

- Name of the applicant .....
  - Gender: Male/Female .....
  - Date of Birth .....
  - Name of your College/  
Organization .....
  - Correspondence address .....
  - .....
  - .....
  - Phone No. (Off. & Resi) :  
Fax & Mobile .....
  - E-Mail .....
  - Educational Qualifications ; .....
  - Present Position .....
  - Teaching: UG/PG-  
Subject & Responsibility .....
  - Work experience .....
- Certified that I have filled up the above form truthfully

(Signature of the applicant with date)

- Forwarding note of Head of the Department/Principal regarding candidates suitability and benefit of his training to his/her own institution (for employees only)

Date :  
Place :

(Signature Name & Seal of Head of Institution)

### REGISTRATION FEE :

Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

## Vidya Prasarak Mandal's Maharshi Parshuram College Of Engineering, Velneswar

Hedvi Guhagar Road, At : Velneswar, Taluka : Guhagar  
Dist : Ratnagiri, 415729



## NATIONAL WORKSHOP ON "PLC AND AUTOMATION" (13<sup>TH</sup> – 15<sup>TH</sup> FEBRUARY 2015) in association with



TECHNICRAFTERS

IN THE SERVICE OF  
THE INSTRUMENTS WORLD

ISOI Student Chapter  
Department of Instrumentation Engineering

**Prof. Avinash Pawar**  
CO-ORDINATOR  
HOD, Department of Instrumentation  
VPM's MPCOE, Velneswar

Tel.No. : 02359 - 205237  
E-mail : info@vpmpcoe.org  
Website: www.vpmpcoe.org

**NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION "  
(13<sup>TH</sup> – 15<sup>TH</sup> FEBRUARY 2015)**

**ABOUT VPMPCOE :**

VPM Thane has started a state of art engineering college namely Maharshi Parshuram College of Engineering, Velneshwar. The college is spread on the shore of an Arabian sea. The college is affiliated to University of Mumbai and is recognized by AICTE, New Delhi & DTE. It offers degree courses in Mechanical, Electrical, Computer, Instrumentation, Civil & EXTC Engineering.

**BACKGROUND :**

A **Programmable Logic Controller (PLC)** is an industrial computer control system that continuously monitors the state of input devices and makes decisions based upon a custom program to control the state of output devices.

Almost any production line, machine function, or process can be greatly enhanced using this type of control system. However, the biggest benefit in using a PLC is the ability to change and replicate the operation or process while collecting and communicating vital information.

Another advantage of a PLC system is that it is modular. That is, you can mix and match the types of Input and Output devices to best suit your application.

**OBJECTIVES :**

1. This program will help to get campus placement.
2. Define automation, it's importance, expectations from automation and applications in industry.
3. Design relay logic for any industrial application.
4. Write PLC program in ladder logic.
5. Download the program to real time PLC.
6. Study the hardware connection and hands on practice to real time PLC.

**RESOURCE PERSON :**

"TECHNICRAFTERS" is one of the Advance PLC Training provider. They also provide engineering consultancy and system integration service. Their training programs are specially designed for the students and professionals to gain practical & working experience on leading brands of PLCs.

Their Center in Karad offers regular batches for college students, fresher and industry professionals. They impart quality training which is effective in upgrading the knowledge and skill set of their participant. They also provide trained manpower.

**ACCOMMODATION :**

Accommodation & food can be arranged on request from participants on additional charges of Rs. 1000/- per student for 3 days.

**VENUE :**

Vidya Prasarak Mandal's  
**Maharshi Parshuram College Of  
Engineering, Velneshwar**

Hedvi Guhagar Road, At : Velneshwar, Taluka : Guhagar  
Dist : Ratnagiri, 415729  
Computer Center, Shripati Building,  
Ground Floor,

**STRUCTURE OF WORKSHOP:**

Day	Contents
<b>Day 1 13/02/2015</b>	<ul style="list-style-type: none"> <li>• Introduction to Automation</li> <li>• Basic Concepts of Automation</li> <li>• Relay logics theory</li> <li>• PLC Basics &amp; Hardware</li> <li>• PLC Programming types</li> </ul>
<b>Day 2 14/02/2015</b>	<ul style="list-style-type: none"> <li>• Concept of Ladder Programming</li> <li>• Real-time execution of Ladder Programming</li> <li>• Practice session on Real time applications of PLC</li> <li>• Concept of PLC Instruction &amp; its relevance in programming</li> </ul>
<b>Day 3 15/02/2015</b>	<ul style="list-style-type: none"> <li>• Control Panel Demo</li> <li>• Revision of all concepts learnt so far</li> <li>• Hands On PLC programming &amp; its correlation with Hardware</li> <li>• Felicitation program</li> </ul>

VPM's MAHARSHI PARSHURAM COLLEGE OF  
ENGINEERING, VELNESHWAR.

Inauguration Function Of,

A National Level Workshop on,

**"PLC & AUTOMATION"**

Organized by,

DEPARTMENT OF INSTRUMENTATION ENGG.

**AGENDA**

**DATE: - 13th February, 2015**

**VENUE: - Nana Fadnavis Hall**

**TIME: - 10.30 am**

- 1) National Anthem
- 2) Welcome of all dignitaries
- 3) Inauguration of National Workshop
- 4) Introduction of workshop by **Prof.R.S.Patil**
- 5) Speech of **Dr.Kamlakar Desai,Director(MPCOE)**
- 6) Speech of **Dr.Sudhir Aagashe(Chief Guest)**
- 7) MOU Signing
- 8) Speech of **Dr.Vijay Bedekar(Chairman,VPM Thane)**
- 9) Vote of thanks by Ms.Vaishnavi Pise
- 10) Pasaydan

### Program Schedule for PLC Workshop

<b>DAY 1 (13<sup>th</sup> February 2015)</b>		
<b>Time</b>	<b>Event</b>	<b>Venue</b>
8.45am to 10.15am	Spot Registration and Kit Distribution	Nana Fadnavis Hall
10.30am to 11.45am	Inaugural Function	Nana Fadnavis Hall
12.00 pm to 01.15pm	Presentation on Virtual Lab by <b>Dr. Sudhir Agashe</b>	A1 Computer Center
01.15pm to 02.15pm	Lunch Break	
02.15pm to 03.00pm	Introduction to Automation and basic concept of Automation	A1 Computer Center
03.00pm to 04.00pm	Relay Logic Theory, PLC Basics and Hardware	
04.00pm to 04.15pm	Tea Break	
04.15pm to 05.15pm	PLC Programming Types	A1 Computer Center
<b>DAY 2 (14<sup>th</sup> February 2015)</b>		
10.00am to 11.15am	Concept of Ladder Programming	A1 Computer Center
11.15am to 11.30am	Tea Break	
11.30 am to 01.15pm	Real – Time Execution of Ladder Programming	A1 Computer Center

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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

- 1. Name of the applicant : Mr. Bapat Prasad V.
- 2. Gender: Male/Female : male
- 3. Date of Birth : 26/06/1989
- 4. Name of your College/Organization : MPCOE, Velneswar
- 5. Correspondence address : B-1, Krishnakamal apt., bapat lane chip. ln. 415605
- 6. Phone No. (Off. & Resi) :  
Fax & Mobile : 0808722939
- 7. E-Mail : prasad.bapat@vpmmpc.org
- 8. Educational Qualifications : M.Tech. (Prod. Engg.)
- 9. Present Position : Asst. Professor
- 10. Teaching: UG/PG- : U.G. L  
Subject & Responsibility :
- 11. Work experience : 04.5 yrs.

Certified that I have filled up the above form truthfully

*KB*  
09/02/15

(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding candidates suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :

*[Signature]*  
I/C Head  
Department of Instrumentation Engg  
VPM's MPCOE, Velneswar  
Tal - Guhagar (Ratnagiri) 415729  
(Signature Name & Seal of Head of Institution)

REGISTRATION FEE :

Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

- 1. Name of the applicant : Mr. Balagouda A. Patil
- 2. Gender: Male/Female : Male
- 3. Date of Birth : 06/03/89
- 4. Name of your College/Organization : MPCOE, Velneswar
- 5. Correspondence address : VPM's MPCOE  
state quarter's  
velneswar,  
Tal. & Guhagar.
- 6. Phone No. (Off. & Resi) :  
Fax & Mobile : 2657000559
- 7. E-Mail : balagouda.patil@vpmmpc.org
- 8. Educational Qualifications : B.E.
- 9. Present Position : Asst. Prof.
- 10. Teaching: UG/PG- : UG  
Subject & Responsibility :
- 11. Work experience : - 04 years.

Certified that I have filled up the above form truthfully

*[Signature]* 09/02/15

(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding candidates suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :

*[Signature]*  
I/C Head  
Department of Instrumentation Engg  
VPM's MPCOE, Velneswar  
Tal - Guhagar (Ratnagiri) 415729  
(Signature Name & Seal of Head of Institution)

REGISTRATION FEE :

Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

- 1. Name of the applicant : Mr. Ashish D. Chaudhary
  - 2. Gender: Male/Female : Male
  - 3. Date of Birth : 03/03/1989
  - 4. Name of your College/Organization : MPCOE, Velmeshwar
  - 5. Correspondence address : VPMIS, MPCOE, Staff quarters, Velmeshwar, Tal. Guhagar
  - 6. Phone No. (Off. & Resi) : 8057627588
  - 7. E-Mail : ashish.chaudhary@vpmis.com
  - 8. Educational Qualifications : M.E. H.P.
  - 9. Present Position : Assistant Professor
  - 10. Teaching: UG/PG-Subject & Responsibility : UG
  - 11. Work experience : 04 years
- Certified that I have filled up the above form truthfully

Ashish D. Chaudhary  
9/02/2015  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding candidates suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :  
I/C Head  
Department of Instrumentation Engg  
(Signature Name & Seal of Head of Institution)  
Tal. - Guhagar (Ratnagiri) 415729

**REGISTRATION FEE :**  
Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

Hirsemath

- 1. Name of the applicant : Mr. Vinayak S. Hirsemath
  - 2. Gender: Male/Female : Male
  - 3. Date of Birth : 10/10/1988
  - 4. Name of your College/Organization : VPMIS, MPCOE
  - 5. Correspondence address : MPCOE, Staff quarters, Velmeshwar
  - 6. Phone No. (Off. & Resi) : 7770038685
  - 7. E-Mail : Vinayak.hirsemath@vpmis.com
  - 8. Educational Qualifications : M.Tech
  - 9. Present Position : Asst. prof
  - 10. Teaching: UG/PG-Subject & Responsibility : UG
  - 11. Work experience : 08 months
- Certified that I have filled up the above form truthfully

Vinayak S. Hirsemath  
09/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding candidates suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :  
I/C Head  
Department of Instrumentation Engg  
(Signature Name & Seal of Head of Institution)  
Tal. - Guhagar (Ratnagiri) 415729

**REGISTRATION FEE :**  
Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

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**NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)**

**Application Form**

1. Name of the applicant : Mrs. Pawar Premeising S.  
 2. Gender: Male/Female : Male  
 3. Date of Birth : 25/11/1985  
 4. Name of your College/  
 Organization : M.P.COE, Velneshwar  
 5. Correspondence address : A.P. Padhe - Koshewadi,  
 Tal. - Guhagar, Dist. - Ratnagiri  
 6. Phone No. (Off. & Resi) :  
 Fax & Mobile :  
 7. E-Mail : premeising.sp@gmail.com  
 8. Educational Qualifications : B.E.  
 9. Present Position : Asst. Prof.  
 10. Teaching: UG/PG- : UG  
 Subject & Responsibility :  
 11. Work experience : 5 Years  
 Certified that I have filled up the above form truthfully

Premising S.  
15/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding  
 dates suitability and benefit of this training to his/her own  
 institution (for employees only)

Date :  
 Place :

I/C Head  
 Department of Instrumentation Engg  
 VPM's MPCOE Velneshwar  
 Tal. - Guhagar (Ratnagiri) 415729

**REGISTRATION FEE :**

Available seats - 80 only  
 Amount of Rs. 1000/- per participant in cash will be  
 accepted at the time of Registration.

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**NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)**

**Application Form**

1. Name of the applicant : S. A. Dairvedli  
 2. Gender: Male/Female : Male  
 3. Date of Birth : 26/06/89  
 4. Name of your College/  
 Organization : V.P.M.'S MPCOE  
 5. Correspondence address : Velneshwar  
 6. Phone No. (Off. & Resi) :  
 Fax & Mobile :  
 7. E-Mail : sandeep.dairvedli@vpm  
 8. Educational Qualifications : M.E.  
 9. Present Position : A.P.  
 10. Teaching: UG/PG- :  
 Subject & Responsibility : SP, CS-F  
 11. Work experience : 2 years  
 Certified that I have filled up the above form truthfully

S. A. Dairvedli  
15/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding  
 dates suitability and benefit of this training to his/her own  
 institution (for employees only)

Date :  
 Place :

I/C Head  
 Department of Instrumentation Engg  
 VPM's MPCOE Velneshwar  
 Tal. - Guhagar (Ratnagiri) 415729

**REGISTRATION FEE :**

Available seats - 80 only  
 Amount of Rs. 1000/- per participant in cash will be  
 accepted at the time of Registration.

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**NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)**

**Application Form**

1. Name of the applicant : Ms. Ramadevi Rudra  
 2. Gender: Male/Female : Female  
 3. Date of Birth : 07/11/1990  
 4. Name of your College/  
 Organization : V.P.M.'S MPCOE  
 5. Correspondence address : V.P.M.'S MPCOE,  
 Velneshwar,  
 G. bhagar,  
 Ratnagiri.  
 6. Phone No. (Off. & Resi) : 9403461807  
 Fax & Mobile :  
 7. E-Mail : ramadevi.rudra@vpm  
 8. Educational Qualifications : B.E.  
 9. Present Position : Teaching Ass.  
 10. Teaching: UG/PG- : UG  
 Subject & Responsibility :  
 11. Work experience :  
 Certified that I have filled up the above form truthfully

Ramadevi Rudra  
15/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding  
 dates suitability and benefit of this training to his/her own  
 institution (for employees only)

Date :  
 Place :

I/C Head  
 Department of Instrumentation Engg  
 VPM's MPCOE Velneshwar  
 Tal. - Guhagar (Ratnagiri) 415729

**REGISTRATION FEE :**

Available seats - 80 only  
 Amount of Rs. 1000/- per participant in cash will be  
 accepted at the time of Registration.



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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

- 1. Name of the applicant : Sachin D. Songore
- 2. Gender: Male/Female : male
- 3. Date of Birth : 16/01/1988
- 4. Name of your College/ Organization : Gadre Marine Export Pvt. Ltd. Ratnagiri
- 5. Correspondence address : Plot No. AP 1 MID.C. Mirjole (block) Ratnagiri 415639
- 6. Phone No. (Off. & Resi) : 02352-231617  
Fax & Mobile : 9158008951 gadremarine.com
- 7. E-Mail : sachin.songore@gadremar.com
- 8. Educational Qualifications : D. Plom in E.T. & T.C
- 9. Present Position : H.O.D. (Electronics dept)
- 10. Teaching: UG/PG-  
Subject & Responsibility : .....
- 11. Work experience : In gadre marine from 11/09/08 to till date

*[Signature]*  
13/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding certificate suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :

I/C Head  
Department of Instrumentation Engg.  
VPM's MPCOE Velheshwar  
Tal. - Guhagar (Ratnagiri) 415729

REGISTRATION FEE :

Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.

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NATIONAL WORKSHOP  
ON  
"PLC AND AUTOMATION"  
(13<sup>TH</sup> - 15<sup>TH</sup> FEBRUARY 2015)

Application Form

- 1. Name of the applicant : Gaurav P. Rajeshirke
- 2. Gender: Male/Female : male
- 3. Date of Birth : 23/05/1990
- 4. Name of your College/ Organization : Gadre Marine Export Pvt. Ltd.
- 5. Correspondence address : Plot no. EP-1 MID.C. Mirjole Block Ratnagiri - 415639
- 6. Phone No. (Off. & Resi) : 9689449044  
Fax & Mobile : gaurav-rajeshirke500@gmail.com
- 7. E-Mail : gaurav-rajeshirke500@gmail.com
- 8. Educational Qualifications : Diploma in E.T.C
- 9. Present Position : Electronics Engineer Export
- 10. Teaching: UG/PG-  
Subject & Responsibility : In Gadre Marine Export
- 11. Work experience : 16/09/10 to till the date

*[Signature]* 13/02/15  
(Signature of the applicant with date)

12. Forwarding note of Head of the Department/Principal regarding certificate suitability and benefit of this training to his/her own institution (for employees only)

Date :  
Place :

I/C Head  
Department of Instrumentation Engg.  
VPM's MPCOE Velheshwar  
Tal. - Guhagar (Ratnagiri) 415729

REGISTRATION FEE :

Available seats - 80 only  
Amount of Rs. 1000/- per participant in cash will be accepted at the time of Registration.



VidyaPrasankMandal, Thane's

## Maharshi Parshuram College of Engineering

Hedvi-Guhagar road, At: Velneshwar, Taluka: Guhagar, Dist: Ratnagiri (Maharashtra) 415 729

### REPORT ON WORKSHOP ON TRAINING IN SCILAB SOFTWARE

DATE: 13/06/2015 TO 15/06/2015

- Venue: Software Simulation Lab, EXTC Department**
- Time: 10am-4pm**

Today department of Electronics & Telecommunication has successfully conducted the workshop on "Training in Scilab software", by Mr. Gadkari from Q-logic, Pune. Workshop was arranged in Computer centre. Workshop was started on the given time to the guest i.e. at 9.15 am.

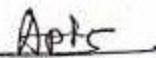
The Scope of this one day workshop Program is to provide brief introduction to Image Processing & SCILAB followed by hands on experience in Image Processing using SCILAB, an open source alternative for MATLAB. The training consisted five Modules and four Practical sessions.

Presenter was enthusiastic to discuss about the faculty queries, and highlighted about the prototyping concept used in the industry for new product. Some innovative project was shared to the faculty by speaker.

Workshop was end by 4.00 pm concluded by Ms. Dhanashree Hindalekar Workshop Coordinator by vote of thanks.



  
Ms. Dhanashree Hindalekar  
Workshop Coordinator

  
Mr. Avdhut Apte  
H.o.D.



Vidya Prasarak Mandals

# Maharshi Parshuram College of Engineering

Electronics and Telecommunications

Attendance sheet for Training in Scilab Software

Date: 13th and 15<sup>th</sup> June 2015

Sr. No.	Name of Faculty	Signature of Faculty
1	Mr. Sufiyaan Mukadam	
2	Mr. Mayuresh Patil	
3	Me. Kaustubh Joshi	
4	Ms. Dhanashree Hindalekar	
5	Mr. Anand Patange	
6	Mr. Pradip Sharma	
7	Mr. Kaustubh Joshi	
8	Mr. Omkareshwar Kulkarni	
9	Mr. Kanoj Patil	
10	Ms. Ramadevi Rudra	
11	Ms. Rashmi Tamhankar	
12	Mr. Ratnadeep Keer	
13	Ms. Priti Sathe	
14	Ms. Bhakti Gangan.	
15	Ms. Ramadevi rudra	

Workshop Coordinator  
Ms. Dhanashree Hindalekar

HOD  
Mr. Avdhut Apte



# Maharshi Parshuram College of Engineering

Hedvi-Guhagar road, At: Velneshwar, Taluka: Guhagar, Dist: Ratnagiri (Maharashtra) 415 729

## REPORT ON Introduction to Mat lab & Application (20 & 21 August 2014) For DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

DATE: 22/08/2014

- Venue:** Software Simulation Lab-2 (E&TC Dept)
- Time:** 10am-11am

**Objective-**The workshop was based on Introduction to Mat lab & Application  
**Resource Persons –** Dr.Archana Bhise

### Introduction to MATLAB

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include:

- Math and computation
- Algorithm development
- Modeling, simulation, and prototyping
- Data analysis, exploration, and visualization
- Scientific and engineering graphics.
- Application development, including Graphical User Interface building

MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. This allows you to solve many technical computing problems, especially those with matrix and vector formulations, in a fraction of the time it would take to write a program in a scalar non interactive language such as C or FORTRAN.

The name MATLAB stands for matrix laboratory. MATLAB was originally written to provide easy access to matrix software developed by the LINPACK and EISPACK projects, which together represent the state-of-the-art in software. MATLAB has evolved over a period of years with input from many users. In university environments, it is the standard instructional tool for introductory and advanced courses in mathematics, engineering, and science. In industry, MATLAB is the tool of choice for high-productivity research, development, and analysis.

MATLAB features a family of application-specific solutions called toolboxes. Very important to most users of MATLAB, toolboxes allow you to *learn* and *apply* specialized technology. Toolboxes are comprehensive collections of MATLAB functions (M-files) that extend the MATLAB environment to solve particular classes of problems. Areas in which toolboxes are available include signal processing, control systems, neural networks, fuzzy logic, wavelets, simulation, and many others.

MATLAB is a fourth-generation programming language and numerical analysis environment. Uses for MATLAB include matrix calculations, developing and running algorithms, creating user interfaces (UI) and data visualization. The multi-paradigm numerical computing environment allows developers to interface with programs developed in different languages.

MATLAB is used by engineers and scientists in many fields such as image and signal processing, communications, control systems for industry, smart grid design, robotics as well as computational finance. re for matrix computation.

*Kaustubh*

Mr. Kaustubh Joshi  
Workshop. Coordinator

*Apate*  
Mr. Avdhut Apate  
H.o.D.



**Dr. Archana Bhise addressing faculties**

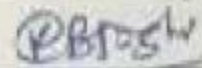


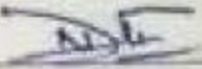


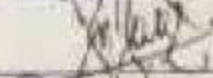



# Introduction to Metlab & Application

By Dr. Archana Bhise

On 20 & 21 August 2014

20/08/14

Session: 10 a.m. to 11 a.m.

No.	Name of Faculty	Department	Sign.
	Ms. Kaustubh B. Joshi	EXTC	
	Ms. Vaidehi V. Karkare	EXTC	
	Mr. Badiseemath M. Anbhale	Electrical	
	N. D. Thakur	EXTC	
	S. A. Desai	Electrical	
	Ms. Ramadevi Rudra	Electrical	
	Mr. Avadhut G. Apte	EXTC	
	Ms. Vinodini V. Salvi	Computer	
	Mr. Santosh Shinde	Instrumentation	
	Mr. SUFIYAN. MUKADAM	EXTC	
	Mrs. Apurva Joshi	EXTC	