



Prabodhan Shikshan Prasarak Sanstha's  
**Rajendra Mane College of Engineering & Technology**  
(Recognised by AICTE, New Delhi and affiliated to University of Mumbai)  
At. &Po. Ambav (Devrukh), Tal- Sangameshwar, Dist- Ratnagiri.  
(Maharashtra State, India) PIN-415804  
Phone- 02354-260992, 261501 Fax. No. 02354-261502  
Email-info@rmcet.com, Website- [www.rmcet.com](http://www.rmcet.com)

**B+ (Very Good) NAAC Accreditation, Best Campus (Engineering) Award 2017-18 by ISTE, New Delhi,**  
**GOLD** Category ranking in **AICTE-CII 2016 and 2017 Survey for Industry Institute Linkage**

### Department of Mechanical Engineering (T&P Cell)

|                 |   |
|-----------------|---|
| Title of Course | “Advanced Mechatronics”   |
| Resource Person | Mr. Suhas Gadekar,<br>HOD (Mechanical Engineering),<br>Mr. Adwitiya Saha, Faculty Member,<br>Prolific Systems & Technology Pvt. Ltd. Pune |
| Course Schedule | 20-08-2018 to 25-08-2018<br>9.30 AM to 04.30 PM (6 Hours/ day)  |
| Participants    | 1) BE Mechanical Engineering students<br>2) Faculty Members<br>3) Lab Assistants  |
| Venue           | Class room No. 15 and MMS Dept Computer Lab.  |
| Coordinators    | Prof. Rahul Dandage (T&P Cell Coordinator)<br>Mr. Suyog Kokate (Student Coordinator)  |

The department of Mechanical Engineering of RMCET organized 6 days Certificate course on “Advanced Mechatronics” during 20<sup>th</sup> August 2018 to 25<sup>th</sup> August 2018.



(Prof. Rahul Dandage (Training & Placement Coordinator), Dr. S. N. Waghmare (HOD Mechanical))



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*(Principal Dr. M. M. Bhagwat extending best wishes to all participants),*

**Mr. Suhas Gadekar** (Head of Mechanical Department, Prolific Systems and Technologies Pvt. Ltd. Pune) and **Mr. Adwitiya Saha** (Automation Faculty, Prolific Systems and Technologies Pvt. Ltd. Pune ) were the Resource Persons for this Training course and Mr. Rakesh Choudhary provided the necessary Technical Support.

The course was covering the important aspects of Industrial Automation like:

- 1) Basics of Hydraulic and Pneumatic systems
- 2) Construction, working principle and Function of various fluid power components
- 3) Control valves for controlling Pressure, Flow, Direction etc.
- 4) Logic behind developing fluid power circuits
- 5) Reading fluid power circuits
- 6) Developing fluid power circuits.
- 7) Introduction to PLC
- 8) Basic architecture of PLC
- 9) PLC programming using Ladder logic diagrams (Theory + practical)
- 10) SCADA (Theory + practical)
- 11) Laser shaft alignment for condition monitoring (practical)

The course was conducted at two venues. Total students were divided into 2 batches and the course was conducted in Class Room No.15 and MMS Department Computer Lab simultaneously.

The course was attended by 70 students of BE Mechanical Engineering. Prof. R.V. Dandage



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*(Mr. Suhas Gadekar delivering the session)*



*(BE Mech students learning the PLC Programming and SCADA session)*

The course has been approved under the Government of India's National Skill Development Corporation (NSDC). The course fees for all 70 students have been completely sponsored by BMCET under its mission to impart technical value added skills to the students. The students



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teaching methodology of the resource persons. The students thanked RM CET management for organizing and sponsoring this training course.



*(Mr. Suhas Gadekar delivering the session)*



*(Mr. Adwitiya Saha deliverine the session)*



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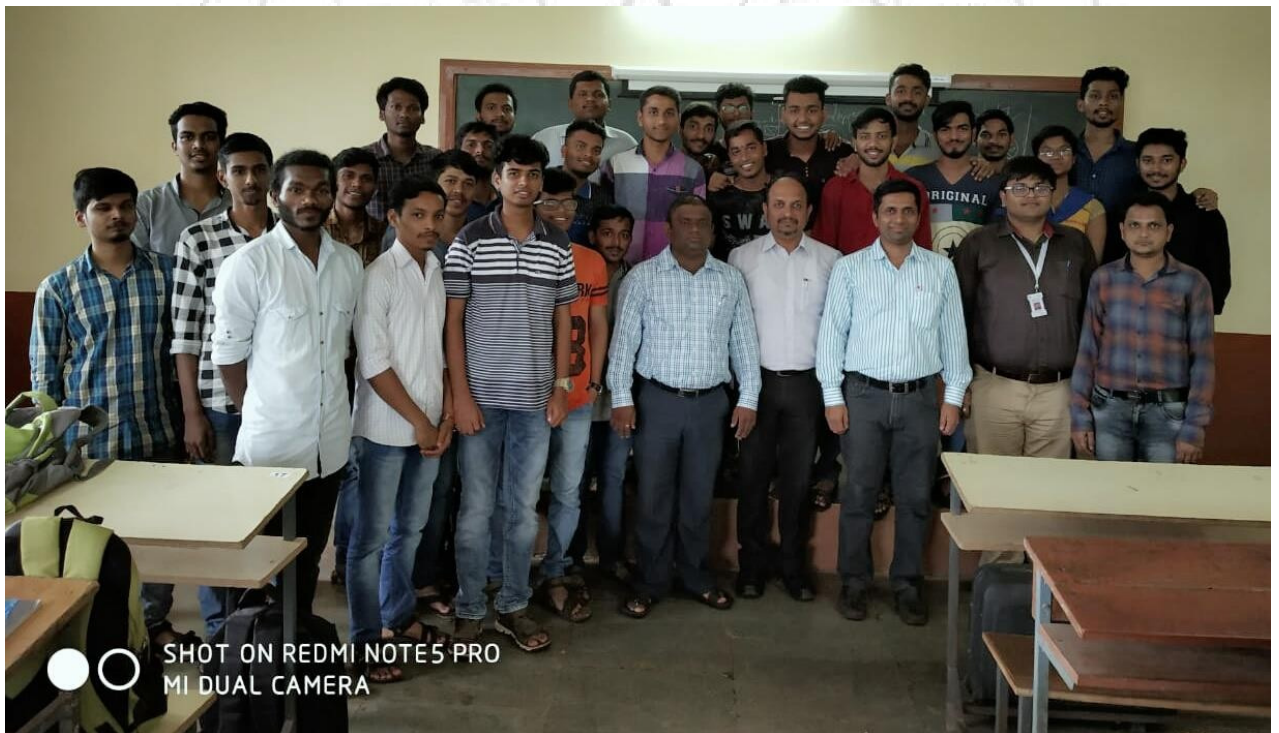
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25-08-18 17:01

*(Participants Feedback)*



SHOT ON REDMI NOTE5 PRO  
MI DUAL CAMERA

*(Group photo after valedictory function)*



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This is to certify that  
**Dr. Sachin N. Waghmare (Asso. Prof. & HOD, Mech. Engg.)**

Has successfully completed Six Days training program on "Advanced Mechatronics" Programming Practical  
Workshop which covers

- > Hydraulics
- > Pneumatics
- > Programmable Logic Controller - Allen Bradley PLC
- > Supervisory Control and Data Acquisition (SCADA)
- > Laser Shaft Alignment

Held from 20<sup>th</sup> to 25<sup>th</sup> August 2018 at  
"Rajendra Mane College of Engineering and Technology, Devrukh",  
organized by Department of Mechanical Engineering and  
conducted by Prolific Systems and Technologies Pvt. Ltd. Pune.

We appreciate his effort for successful completion of this training program.

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*Sachin N. Waghmare*  
Director



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