



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- 02354-269400, 269401

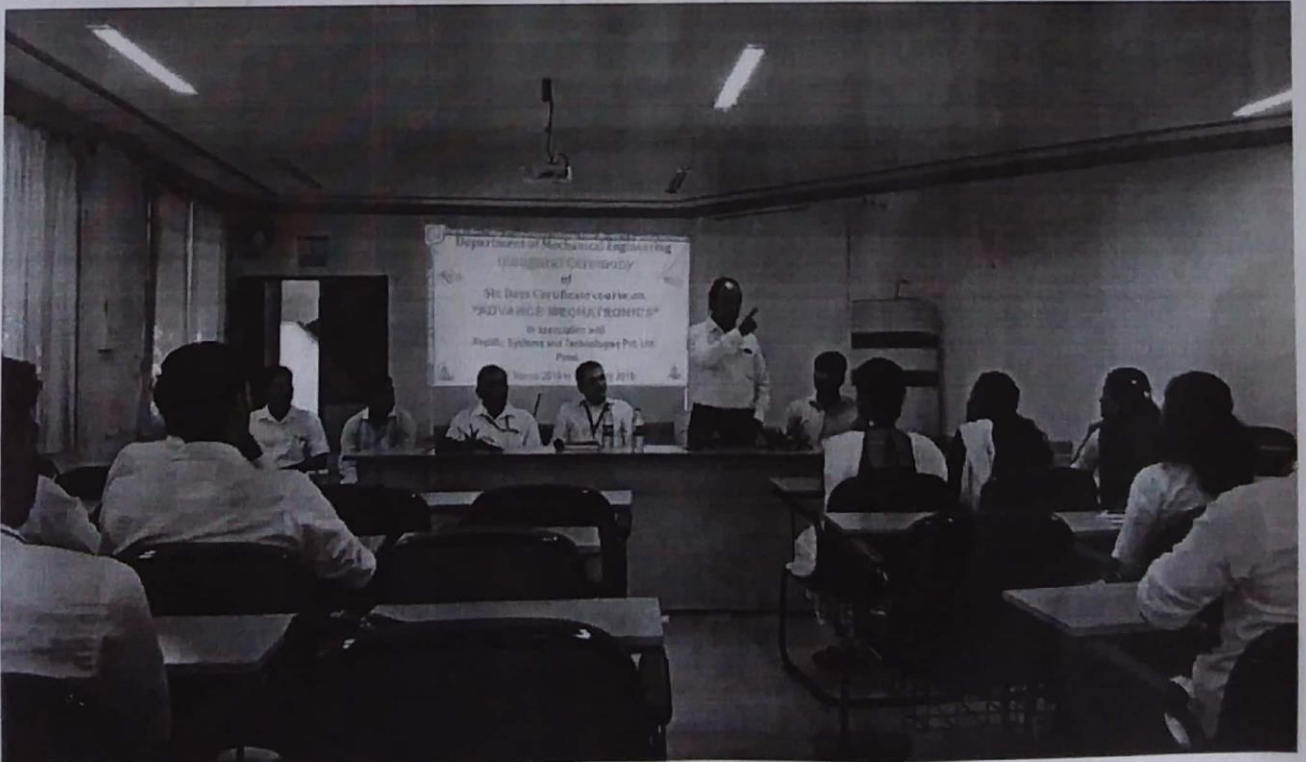
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B+ (Very Good) NAAC Accreditation, Best Campus (Engineering) Award 2017-18 by ISTE, New Delhi,  
GOLD Category ranking in AICTE-CII 2016 and 2017 Survey for Industry Institute Linkage

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

Title of Course	"Advance Mechatronics"
Resource Person	Mr. Suhas Gadekar, HOD (Mechanical Engineering), Mr. Yogesh Wasade, Faculty Member, Prolific Systems & Technology Pvt. Ltd. Pune
Course Schedule	28-03-2019 to 02-04-2019 9.30 AM to 04.30 PM (6 Hours/ day)
Participants	1) TE Mechanical Engineering students 2) Faculty Members
Venue	Industrial Fluid Power: Class room No. 14 PLC and SCADA: CAD/CAM Lab and Language Lab Computer Lab.
Coordinators	Prof. Rahul Dandage (T&P Cell Coordinator) Mr. Omkar Kulkarni (Student Coordinator)

The department of Mechanical Engineering of RM CET organized 6 days Certificate course on "Advance Mechatronics" during 28<sup>th</sup> March 2019 to 02<sup>nd</sup> April 2019.



(Prof. Rahul Dandage (Training & Placement Coordinator), Dr. S. N. Waghmare (HOD, Mechanical)  
Dr. M. M. Bhagwat (Principal, RM CET), Mr. Suhas Gadekar, Mr. Yogesh Wasade and Mr. Kishor Belhekar  
(Prolific Systems and Technologies Pvt Ltd Pune) during the inaugural function)





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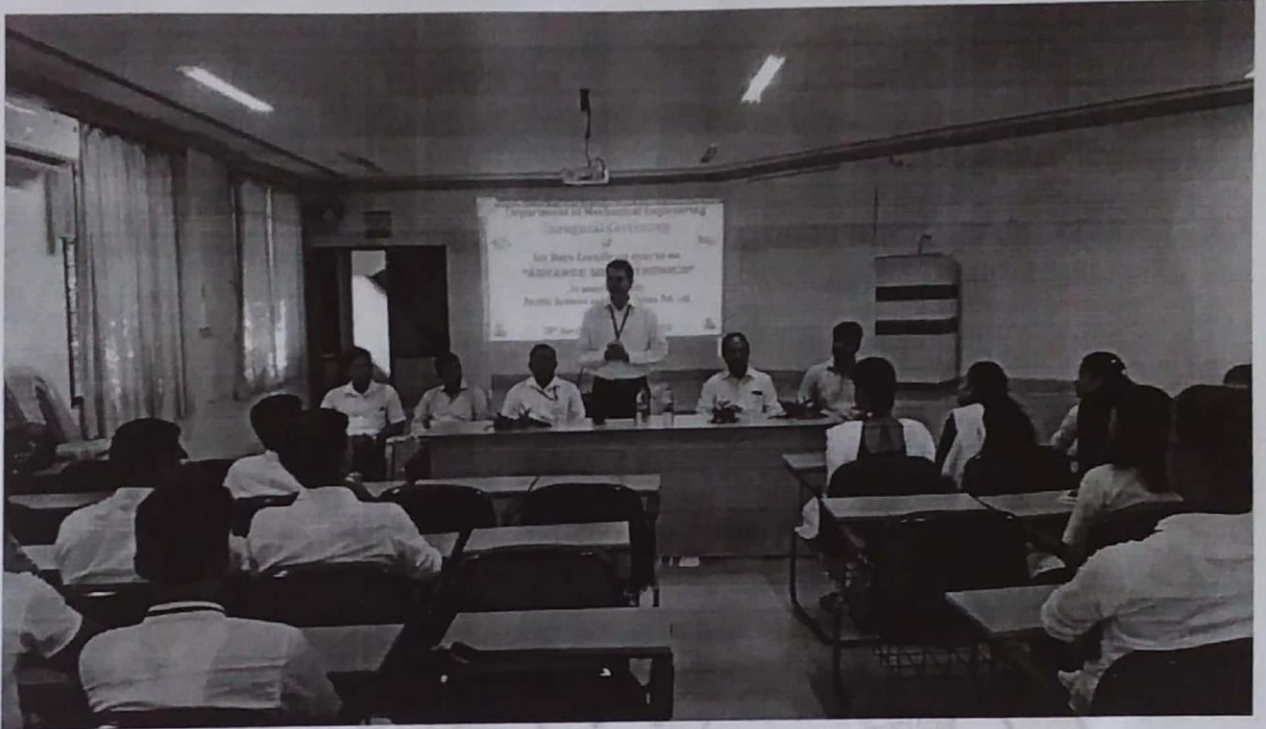
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*(Principal Dr. M. M. Bhagwat extending best wishes to all participants),*

**Mr. Suhas Gadekar** (Head of Mechanical Department, Prolific Systems and Technologies Pvt. Ltd. Pune) and **Mr. Yogesh Wasade** (Automation Faculty, Prolific Systems and Technologies Pvt. Ltd. Pune) were the Resource Persons for this Training course and Mr. Kishor Belhekar 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)

The course was conducted at two venues. Total students were divided into 2 batches and the course was conducted in Class Room No.14 and IT Building Computer Labs (CAD/CAM and Language Lab) simultaneously.

The course was attended by 68 students of TE Mechanical Engineering. Prof. R.V. Dandage (Training and Placement Coordinator) coordinated the Course. Mr. Omkar Kulkarni worked as student coordinator.

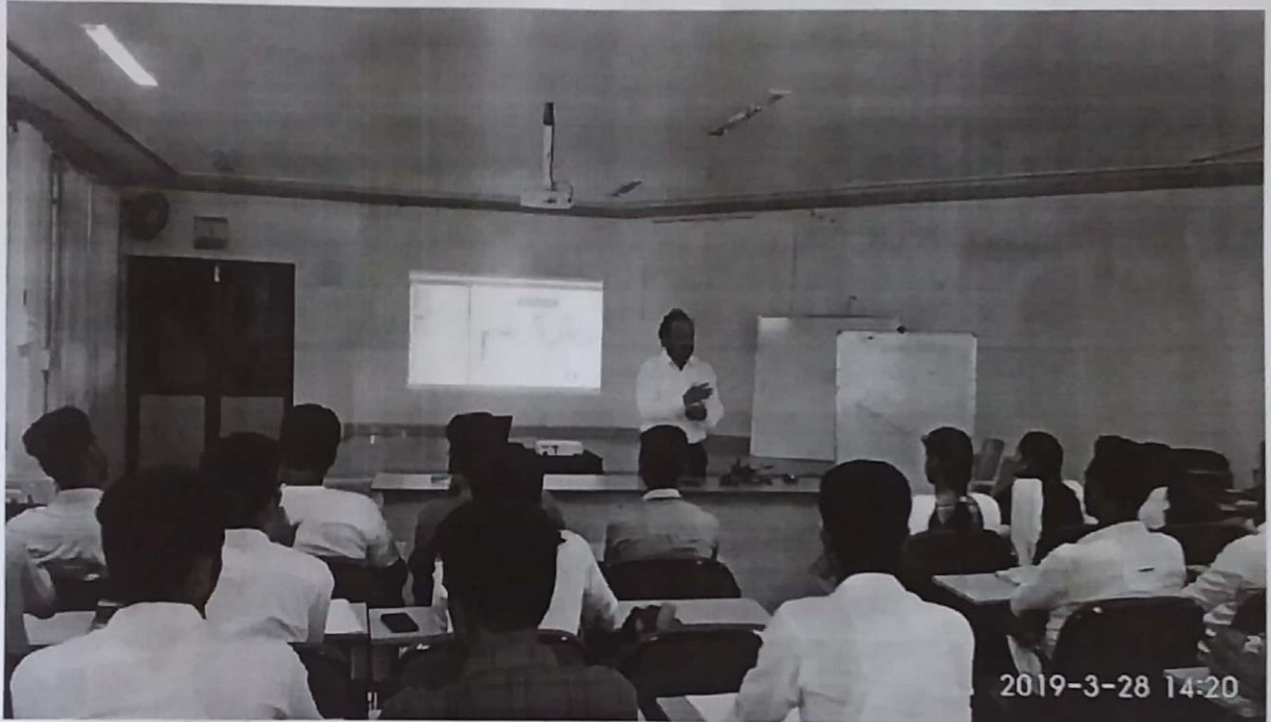




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*(Mr. Suhas Gadekar delivering the session)*



*(TE Mech students during practical session on the Ladder logic Programming for PLC)*





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*(Mr. Suhas Gadekar demonstrating the multi-stage air compressor)*



*(Mr. Yogesh Wasade delivering the session)*

The course has been approved under the Government of India's National Skill Development Corporation (NSDC). The course was completely sponsored by RMCET under its mission to impart technical value-added skills to the students. The students expressed their complete satisfaction

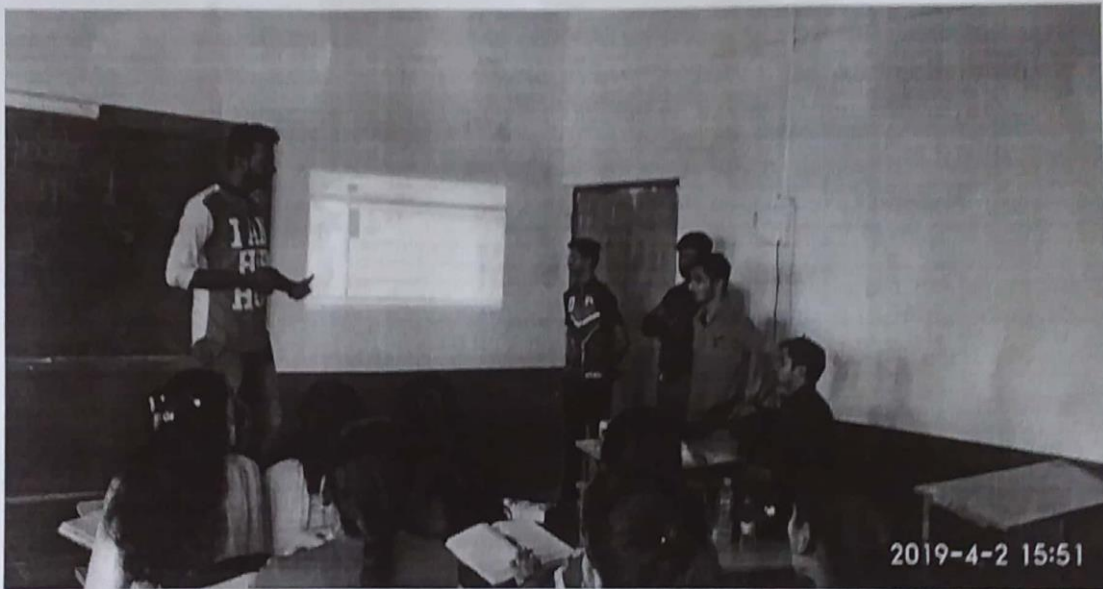


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about the course contents and appreciated the expertise and teaching methodology of the resource persons. The students thanked RM CET management for organizing and sponsoring this training course.



*(Students Activity: Demonstration of the PLC programming)*



Dr. S. N. Waghmare  
HOD Mechanical Engg



PRINCIPAL  
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