

Rajendra Mane College of Engineering & Technology, Ambav

(Approved by AICTE, Recognized by DTE and Affiliated to Mumbai University)

NAAC Accreditation with B+ Grade

“GOLD” category ranking for consecutive two years (2016 and 2017) in AICTE-CII Survey of industry linked institutes. ISTE Best Campus Award 2018



MECHANNEWS

Bi-Annual Newsletter of Mechanical Engineering Department,

Vol.7/No.01

01 July 2018-31 December 2018

Publisher - Dr. Sachin N. Waghmare, Head of Department Mechanical Engineering.

Editor - Prof. Rahul V. Dandage, Assistant Professor, Mechanical Engineering.

Departmental Vision

To empower rural youth for better employment by providing mechanical engineering education.

Departmental Mission

- 1) To provide an education that builds within students a solid foundation in Mechanical Engineering principles.
- 2) To prepare the graduates who have the motivation and ability for lifelong growth in their professional careers.
- 3) To create awareness amongst the students towards nation, society and environment.

Programme Educational Objectives (PEOs)

- 1) To develop the students to give outstanding performance in their professional career as employee in an industry or as an entrepreneur.
- 2) To motivate the students to pursue higher education or excel in multidisciplinary projects.
- 3) To inculcate professionalism, strong ethical values and lifelong learning ability in the students.

Programme Outcomes (POs)

At the end of the programme, a student will be able to:

- 1) Apply the basic knowledge of mathematics, Science and Engineering to solve the Mechanical Engineering problems.
- 2) Identify, formulate and analyse complex Mechanical Engineering problems and propose a substantial conclusion.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- 3) Design solution for complex Mechanical Engineering problems that will satisfy the specific need.
- 4) Demonstrate the ability to design and conduct experiments, interpret and analyse the data and report results.
- 5) Select and use appropriate modern Mechanical engineering tools to analyse and solve Mechanical Engineering problems.
- 6) Assess societal, health, safety, cultural issues and responsibility related to a Mechanical Engineering problem.
- 7) Understand the impact of Mechanical Engineering solution on environment and demonstrate the knowledge of need for sustainable development.
- 8) Apply ethical principles and be committed to professional ethics, responsibilities and norms of Mechanical Engineering practices.
- 9) Work effectively as an individual as well as in the teams and in multidisciplinary environment.
- 10) Communicate effectively in both verbal and written forms of communication.
- 11) Demonstrate knowledge of engineering and management principles and apply them to manage projects and finance.
- 12) Recognize the need for lifelong learning and will be engaged in it in the context of technological advancements.

Programme Specific Outcomes (PSOs)

At the end of the programme, a student will be able to:

- 1) Apply the Mechanical Engineering knowledge to design, analyze and solve the problems in Thermal Engineering, Mechanical Design and Manufacturing Engineering domain.
- 2) Work effectively individually, in teams and manage the financial and technical aspects of projects in professional manner.
- 3) Identify the revolutions in technology creating new learning opportunities and engage himself in lifelong learning.

From HOD's Desk

Season's Greeting to all of you.....

The odd semester of academic year 2018-19 was full of activities. Department of Mechanical Engineering hosted the National Conference CTRD2K18 and it was a great success to have 70 research papers from various institutes from Maharashtra, Karnataka and Rajasthan. During the Techfest Yantrikey 2018, The Mechanical Engineering students showed their talents in every event.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

These all activities are helpful in grooming the overall personality of faculty members and students and in boosting their confidence.

I wish a very happy, healthy and prosperous new year 2019 to all stakeholders of RMCET.

Staying together is 'progress' Working together is 'success'

Dr. Sachin. N. Waghmare

Head ,Mechanical Engineering Department

Events & Co-curricular Activities

- ✚ **Industry Institute Interaction Cell** organized an Industry Expert Seminar on “**Industrial Automation and Mechatronics**” on **26/07/2018** for the final year students of Mechanical and Automobile Engineering Department. The resource person for the seminar was **Mr. Suhas Gadekar, HOD (Mechanical), Prolific Systems and Technology Pvt. Ltd. Pune**. The seminar was attended by 55 students of BE Mechanical and 25 students of BE Automobile Engineering. One industry participant Mr. Kanchan Nate (Maintenance Dept, Adler Mediequip Pvt. Ltd. MIDC, Sadavli) also attended the seminar.



(Dr. S.N. Waghmare Felicitating the resource person Mr. Suhas Gadekar)

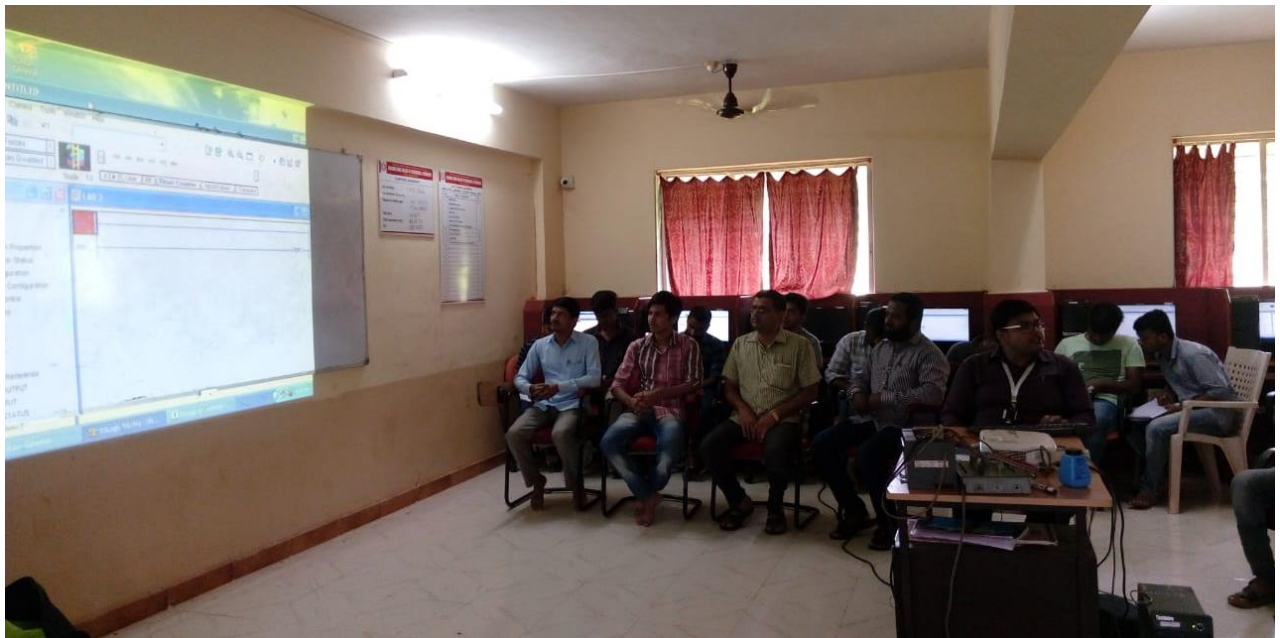
- ✚ The department of Mechanical Engineering of RMCET organized 6 days Certificate course on “**Advanced Mechatronics**” during **20th August 2018 to 25th August 2018**. **Mr. Suhas Gadekar** (Head of Mechanical Department, Prolific Systems and Technologies Pvt. Ltd. Pune) and **Mr. Adwitiya Saha** (Automation Faculty, Prolific Systems and Technologies Pvt. Ltd. Pune) were the

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Resource Persons for this Training course and **Mr. Rakesh Choudhary** provided the necessary Technical Support.



(Prof. Rahul Dandage (Training & Placement Coordinator), Dr. S. N. Waghmare (HOD, Mechanical) Dr. M. M. Bhagwat (Principal, RMCTET), Mr. Suhas Gadekar, Mr. Adwitiya Saha & Mr. Rakesh Choudhary (Resource Persons, Prolific Systems and Technologies Pvt Ltd Pune) during the inaugural function)



(Mr. Adwitiya Saha delivering the session)

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 (Training

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

and Placement Coordinator) coordinated the Course. Mr. Suyog Kokate worked as student coordinator.

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 RMCET under its mission to impart technical value-added skills to the students. The students expressed their complete satisfaction about the course contents and appreciated the expertise and teaching methodology of the resource persons. The students thanked RMCET management for organizing and sponsoring this training course.

✚ **The Industry Institute interaction cell** of Mechanical Engineering Department organized an Industry Expert Seminar for the Third year Mechanical Engineering students on **23/08/2018**. The seminar topic was **“Falcon 9.0: A revolution in Commercial Space Travel”**.

The resource person for the seminar was **Mr. Shrikant Bidwai** who is Marketing Manager at **CADCAMGURU Solutions Pvt. Ltd. Pune**. Total 60 students of TE Mechanical Engineering attended the seminar. The Seminar was coordinated by Prof. R.V. Dandage (Head, IIIC)



(Mr. Shrikant Bidwai delivering the seminar)

✚ **Mr. Pankaj Gode (Alumnus of RMCET Mech, 2017 batch)** delivered a session on the **“Various opportunities of higher education abroad”**. He discussed the various specializations available for M.S. in foreign universities, their pre-requisites, and created awareness regarding the benefits of

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

undergoing internships. The session was conducted for TE Mechanical Engineering students on **01/09/2018**. The seminar was coordinated by Prof. R.V. Dandage.



(Mr. Pankaj Gode delivering the seminar on Higher Education in foreign universities)

✚ **Teacher's day celebration** organized on **5th Sept. 2018**. Under the guidance of MESA Coordinator Prof. A. V. Javir, team MESA has taken efforts to celebrate Teachers Day. Dr. S.N. Waghmare(HOD), Prof. A.V. Javir(MESA Coordinator), Prof. R.V.Dandage, Prof. A.R.Suware have expressed their opinions on the occasion of Teachers day & motivated students with their inspirational speech.



(MESA President Mr. Suyog Kokate expressing his gratitude towards teachers)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

✚ **MECHAZINE:** The **Wall Magazine** of Mechanical Engineering Department was inaugurated at the hands of Hon. Principal **Dr. M.M. Bhagwat** on **05/09/2018**. The student committee, Wall magazine coordinator Prof. A.S. Raut, Prof. R.V. Dandage and HOD Dr. S.N. Waghmare were present during the inaugural ceremony. Dr. Bhagwat appreciated the initiative and offered best wishes for the activity.



(Principal Dr. Bhagwat inaugurating the Wall magazine MECHAZINE)

✚ **Inauguration of Mechanical Engineering Students Association (MESA) & Induction Program** for Second Year Students was organized on **7th Sept. 2018**. For the academic year 2018-19, Prof. A. V. Javir has been appointed as MESA Coordinator. The Induction of second year students started with speech by Mr. Suyog Kokate (MESA President, B. E. Mechanical). Mr. Pranay Nikam from Second Year shared their thoughts with everyone. A warm welcome was given by Prof. A. V. Javir and HOD Dr. S. N. Waghmare. Principal Dr. M. M. Bhagwat motivated students with his inspirational and future prospective speech. Appreciation of Academic Rank Holders was also done during this program. Total 54 students from second year engineering & Team MESA have attended Induction Programese events on a single day.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(Principal Dr. M.M. Bhagwat inaugurating the MESA committee 2018-19)



(Felicitation of academic rank holders)

✚ **The Industry Institute interaction cell** of Mechanical Engineering department organized an Industry Expert Seminar for the Third and Final year Mechanical Engineering students on **07/09/2018**. The seminar topic was **“Opportunities in Oil and Gas Sector industries in India**

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

and in Gulf Countries”. The resource person for the seminar was **Mr. Suhail Shaikh, Engineer (Sonar Meter), Expro Overseas Inc.** Total 40 students of TE and BE Mechanical Engineering attended the seminar. The Seminar was coordinated by Prof. R.V. Dandage (Head, IIC).



(Mr. Suhail Shaikh delivering the session)

- ✚ The Intercollegiate Techfest **YANTRIKEY 2K18** was inaugurated in the presence of Hon. Ravindraji Mane Sir, (Chairman PSPS), Mrs. Nehaji Mane Madam, (Executive Chairperson) and Mr. Kalyankumar (Softskill Trainer) as the chief guest of the event.



(HOD Dr. Waghmare welcoming all participants for the event Yantrikey 2K18)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Hon. Ravindraji Mane Sir (Chairman PSPS) inspired students by delivering speech on Yantrikey & its importance for the participants. Principal Dr. M.M. Bhagwat and HOD Dr. S.N. Waghmare motivated and guided students. MESA Coordinator Prof. A. V. Javir introduced events under Yantrikey and shared schedule to the all participants. Dignitaries from various departments, all the teaching and Non-teaching staff of Mechanical Engineering Department and all the participants were present to grace the occasion. The vote of thanks was given to all the Dignitaries and all the participants by MESA President Mr. Suyog Kokate.

- ✚ Through the **Training and Placement Cell** of RMCTET, A 40 hrs **“Soft Skill Training program on Quantitative Aptitude”** for TE Mechanical Engineering students and 40 Hrs **“Campus Recruitment Training Program”** for BE Mechanical Engineering students conducted during **25/09/2018 to 13/10/2018**. The training program was completely sponsored by RMCTET. **Mr. Kalyan Kumar of H & B Campus Connect, Pune** was resource person. HOD Dr. Waghmare S.N. and T&P Coordinator Prof. Dandage R.V. were present during the inauguration ceremony. Total 68 students of TE mechanical and 70 students of BE mechanical attended the training program.



(Prof. Dandage, Dr. Waghmare and Resource person mr. Kalyan Kumar during the inauguration)

- ✚ The Department of Mechanical Engineering organized One Day Workshop on **“NBA CRITERIA WISE GUIDANCE”** By **Dr. V. R. Naik**, Professor & Head of Department Mechanical Engg, **DKTE, Ichalkaranji** on **01/10/2018**. Total 44 Faculty members attended the workshop. The workshop was coordinated by Dr. S. N. Waghmare and Prof. R. V. Dandage.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(HOD Dr. S N Waghmare briefing about the workshop and Resource Person Dr. V. R. Naik)



(Principal Dr. M.M. Bhagwat welcoming the Resource Person Dr. V. R. Naik)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- A seminar “**Job opportunities in Heat Treatment Industries**” organised by **Career Guidance cell** of Mechanical Engineering Department on **08th Oct 2018** for Third Year mechanical engineering students.



(HOD Dr. S N Waghmare felicitating Resource Person Mr. Shreyas Kamat, S K Heat treaters, Kolhapur)

The 50 Students actively participated in the seminar. **Mr. Shreyas Kamat** guided the students on fundamentals of various heat treatments carried out in his factory, products of his factory, how to improve employability, job opportunities in heat treatment industries etc. This seminar was arranged and coordinated by Prof. M S Prabhavalkar, Dept coordinator (CGC).

- The Department of Mechanical Engineering organized A Seminar on “**GD & T and its Behavior in Design**” for TE Mechanical Students by **Mr. Rohan R. Prabhu**, Senior Design Engineer, Knorr-Bremse Technology Center India, Pune and **Mrs. Nisha Prabhu**, Technical Advisor on **16/10/2018**. The Topics discussed during seminar were

1. Datum
2. What are GD & T and its importance in application?
3. Types of GD & T
4. Modifiers

Total 56 students of TE Mechanical class were attended the seminar. The seminar was coordinated by Dr. S. N. Waghmare and Prof. A. S. Raut.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(Resource Person Mr. Rohan R. Prabhu, delivering the session)

✚ Department of Mechanical Engineering had organized Expert seminar on **“Opportunities after GATE and Preparation of Manufacturing section for GATE Exam”** for final year students on **13th October, 2018** through **GATE FORUM**.



(Felicitation, Welcome of Resource person by Dr. S. N. Waghmare, HOD, Mech. Engg. Dept.)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Resource Person for the session was **Mr. Prasad S. Kamble** (Asst. Prof., Mech. Engg. Dept.) from Zeal College of Engg. & Research, Pune.

This seminar was conducted for two hours between 11.30pm to 1.30pm in Class Room No.14. The session was very interactive and appreciated by all the students of B.E. (Mech.).

The main topics covered in the seminar were

- i. Career opportunities after GATE Exam.
- ii. Nature of questions being asked, marking scheme and syllabus content of GATE Exam.
- iii. Preparation of manufacturing stream subjects for GATE Exam.
- iv. Revision of Fundamentals.

- ✚ Department of Mechanical Engineering had organized a one day workshop on “**CNC- Programming and Hands on Experience**” for S.E. Mechanical students on **20/10/18**.



(Resource Person Prof. Roshan Dongare demonstrating the practicals on CNC machine)

This Course was organized for S. E. Mechanical students. Total 62 students attended this program. The practical session was conducted by **Prof. Dongare Roshan (RMP, Ambav)**. The main topics covered in the workshop were G and M codes, Programming, and machining on CNC Lathe and Milling. This Course was co-ordinated by Mr. Jagushte G. S.



(Resource Person Prof. Roshan Dongare demonstrating the practicals on CNC machine)

✚ **Mr. Pushkar Burshe (BE Mech Student)** gave a seminar on “**Internshala Awareness**” to the students of TE Mechanical on **20/10/2018**.



(Mr. Pushkar Burshe, Internshala Student Partner delivering the seminar)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Being Internshala Student Partner (ISP) for RMCTET campus, he created awareness among students regarding the various internship opportunities available through the online platform www.internshala.com Principal Dr. M.M. Bhagwat, HOD Dr. S.N. Waghmare and IIC Head Prof. R.V. Dandage were present during the seminar.

- ✚ One Day Workshop on "**Introduction to IC Engine and Anatomy of IC Engine**" was conducted on **22nd October, 2018**. Main Purpose of the Workshop is to Provide Practical Exposure to the Subject. Students with the help of **Mr. Santosh Gopal (Marleshwar Auto Works, Devrukh)** disassembled Single Cylinder Four Stroke Engine and its different Components. Each Components and Probable Failure or Malfunction in that component was explained to the Students. Then with the help of Mr. Gopal, Students assembled the engine back. Workshop was conducted in two sessions and total 60 students have taken benefit of it. Mr. Suware A. R. Coordinated the Workshop.



(Student curiously attending the workshop)

Industrial/ Field Visits

- ✚ Department of Mechanical Engineering had organized Industrial Visit to **Vanaz Engineers Ltd. Plant-II Sadavli** on **31/08/2018** for the students of SE Mechanical Engineering. Prof. Prabhavalkar M.S. and Prof. Jagushte G.S. coordinated this industrial visit. Total 65 students attended the industrial visit and visited the different sections and departments of Vanaz Engineers. They were

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

given the practical exposure about the various heat treatment processes. Mr. Prasad Dambe (Production Supervisor) guided the students.



(Prof. Prabhavalkar, Prof. jagushte & students during the industrial visit to Vanaz Engineers Ltd, Sadavli)

National Conference CTRD2K18

Rajendra Mane College of Engineering and Technology, Ambav (Devrukh), Ratnagiri organised **ISTE Approved 3rd National Conference on “Changing Technology and Rural Development (CTRD 2k18)”** on **21st December 2018** hosted by Mechanical Engineering Department.

The Theme of conference was categorised in four groups Group 01 - Computer Engineering, Electronic and Telecommunication Engineering and Information Technology, Group 02 – Mechanical Engineering, Production Engineering and Automobile Engineering, Group 03 - Science and Humanities & Group 04 – Management.

Total **70 Research papers** have been registered for the conference. The participants are from different institutes such as Sanjay Ghodawat University Atigre , Jagdishprasad Jhabarmal Tibrewala University Rajasthan, KIT's College of Engineering Kolhapur, Govt First Grade Collge Chinhoi Karnataka, FAMT Ratnagiri, SIBER Kolhapur, Jain University Begaluru, DKTE Ichalkaranji, Shivaji University Kolhapur, Adarsh Institute of Management & IT Begaluru, Rajendra Mane

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

College of Engineering and Technology Ambav, Rajendra Mane Polytechnic Ambav. Dr. Waghmare S.N. worked as convenor and Prof. Dongare V.K. and Prof. Kshirsagar P.R. worked as Coordinator of the conference.



(Dignitaries during the inaugural function of CTRD2K18)

The inauguration of conference CTRD2K18 was at the hands of Hon. Chairman Ravindraji Mane. Chief Guest Mr. Milind Datar, Mr. Bala Mane, Principal Dr. M.M. Bhagwat, HOD & Convenor Dr. Waghmare S.N., Session Chairs Prof. Dipak Shinde, Prof. Magdum and Mr. Vaibhav Gogate and coordinators Prof. Dongare and Prof. Kshirsagar were present during the inaugural ceremony. Chairman Mr. Ravindraji Mane as well as the Chief Guest Mr. Milind Datar expressed the need to organise such conferences through which the budding engineers as well as professors can contribute for rural development through their research works.

Prolific Systems and Technologies Pvt. Ltd. Pune, Vanaz Engineers Ltd. Sadavli and Cadcamguru Solutions Pvt. Ltd. Pune were the Sponsors of the Conference. The faculty members who worked as Head of various committees were: Prof. Khandekar- Finance, Prof. Dandage-Publicity, Prof. Raut-Accommodation & Transportation, Prof. Jagushte- Food & Hospitality, Prof. Suware- Design & Publication, Prof. Prabhavalkar- Press News, Prof. Ms. Parulekar-Hall Management & decoration, Prof. Ms. Sawant- Registration, Prof. Javir- Review and Prof. Naik- Paper Publication and Proceeding.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(Dignitaries with the CD of proceeding of CTRD2K18)



(Computer Engineering participants during CTRD2K18)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(Electronics & Telecommunication Engineering participants during CTRD2K18)



(Mechanical Engineering participants during CTRD2K18)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Parents Meeting and Alumni Meeting

- A parents meeting was conducted on **02/09/2018**. 25 parents attended the meeting. Various aspects regarding the performance improvement of students were discussed.



(HOD Dr. Waghmare S.N. addressing parents during the parents meet)

MoU Signed by department

- The **Department of Mechanical Engineering of RMCTET** and **S. K. HEAT TREATERS** Gat No 417, Gokul Shirgaon MIDC, Kolhapur - 416234, Nerli-Tamgaon Road, Kolhapur signed a Memorandum of Understanding (MOU) on **08/10/2018** for In-plant Training & Industrial Projects.

- The **Department of Mechanical Engineering of RMCTET** and **Prolific Systems & Technology Pvt. Ltd. Pune** signed a Memorandum of Understanding (MOU) on **09/08/2018**. Recognizing the need to cultivate an industry and institution interaction, value addition and perpetual need to keep abreast with latest development in the field of Automation Technology, both organizations have signed the MOU.

Prolific shall keep on updating the Mechanical Engineering students of Rajendra Mane College of Engineering and Technology on the latest happenings on the industrial automation sector through various training programs, try to offer few industry based projects and support in recruitment of fresh graduates. Mechanical Engineering department of Rajendra Mane College of Engineering and Technology will provide the necessary support to conduct the training programs.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....



(Prof. Rahul Dandage (Training & Placement Coordinator), Dr. S. N. Waghmare (HOD, Mechanical), Dr. M. M. Bhagwat (Principal) of RM CET with Mr. Suhas Gadekar and Mr. Adwitiya Saha of Prolific Systems and Technologies Pvt. Ltd. Pune during MOU signing activity)

- ✚ The **Department of Mechanical Engineering of RM CET** and **Vanaz Engineers Limited Sadavli** unit signed a Memorandum of Understanding (MOU) on **09/09/2018** for In-plant Training & Industrial Projects.



Mr. V. D. Purohit (Plant Incharge Vanaz Engineers Limited Devrukh Unit) and Dr. S. N. Waghmare (HOD, Mechanical Engineering) of RM CET during MOU signing activity.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Research Paper Presented / Published by Faculty and Students

- ✚ **Gorivale, Gorade, Naik, Patil & Dr. Waghmare S.N. (2018) “Self-Propelled Spraying Machine: A Proposed Model”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Bhatawdekar S.G, Ingale S.M. , Dandage R.V. (2018) “Reconfigurable Manufacturing Systems (RMS): A literature review”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Phansopkar, Gupta, Ughade, Bavdhane & Dr. S.N. Waghmare (2018) “Remote Controlled Agricultural Robot with Sowing Seed Mechanism: A Proposed System”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Dandage R.V. , Ingale S.M. , Suware A.R. (2018) “Design, Manufacturing and Testing of a Solar Dryer”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Kokate Suyog, Ghatge Dhiraj, Gijye Kiran, Fatji Ninad and Prof. Dandage R.V. (2018) “Design of automatic mango cutting machine”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Burshe, Jayade, Karkare, Kedari & Prof. Prabhavalkar M.S. (2018) “Design of solar powered water distillation plant”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Desai, Dongare, Kolapate, Nimbalkar & Prof. Prabhavalkar M.S. (2018) “Design and fabrication of rice planting machine”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Jadhav, Turalkar, Helekar, Gole & Prof. Jagushte G.S. (2018) “Design and fabrication of hydraulically operated compression moulding machine for fiber reinforced polymer composites”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Varne, Desai, Dhotre, Mane & Prof. Jagushte G.S. (2018) “Design and fabrication of 360° flexible drilling machine”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.
- ✚ **Bharati, Patil, Watve, Warange & Prof. Suware A.R. (2018) “Design and fabrication of Electromagnetic gear shifter for FSAE race car”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCTET, Ambav.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- ✚ **Madge, Nagvekar, Ukarde, Walkar & Prof. Javir A.V. (2018) “Design and experimentation of Hexacopter”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Naik, Pawar, Mondkar, Pawar & Prof. Kshirsagar P.R. (2018) “Finite Element Analysis of self healing composite polymer structures for fracture toughness”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Adbal, Mandavkar, Mangale, Sahu & Prof. Khandekar S.B. (2018) “Condition monitoring of bearing using acoustic emission technique: Review”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Monde, Nade, Pawaskar, Ramdul & Prof. Kshirsagar P.R. (2018) “Proposed model of feeding and collecting mechanism for scoring machine ”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Shelar, Shinde, Narote, Shinde & Prof. Khandekar S.B. (2018) “Analytical study and implementation of Supply chain management”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Mapari, Nakade, Sange, Vanu & Prof. Dongare V.K. (2018) “Solar Powered water harvester”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Kadam, Wasta, Pawar, Pawar & Prof. Raut A.S. (2018) “Effect of helix angle on beam strength of helical gear tooth- Theoretical analysis”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Sankhe, Kuwar & Prof. Suware A.R. (2018) “Design and fabrication of single speed double reduction gear box of Baja vehicle”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.
- ✚ **Wasta, Kadam, Tadasare, Ghadle, Sonkar, Dias & Prof. Raut A.S. (2018) “Design of spur gear for dynamic analysis”** Paper presented at National Conference on Changing Technology and Rural Development (CTRD2K18) on 21/12/2018 at RMCCET, Ambav.

Faculty Development Programmes/ Seminars/Workshops Attended

- ✚ **Dr. Waghmare S.N. and Prof. Dandage R.V.** attended One week workshop on “**Advanced Mechatronics**” at RMCTET, Ambav during 20/08/2018 to 26/08/2018. The workshop was conducted by Prolific Systems and Technologies Pvt. Ltd. Pune.
- ✚ **Prof. Dandage R.V.** attended a one day workshop on “**AICTE’s Internship Policy**” at SPJIMR Auditorium, SPCE Campus, Andheri (W) Mumbai on 29/10/2018.
- ✚ **Prof. Ashish Suware** successfully completed the 8 weeks NPTEL online certification course on “**Refrigeration and Air Conditioning**” during August-September 2018.
- ✚ Technical staff members of department **Mr. Sonawdekar, Mr. Satvilkar, Mr. Kedari and Mr. Bhuvad** attended three days workshop on “**Industrial Fluid Power**” during 20-22 August, 2018 at RMCTET, Ambav. The workshop was conducted by Mr. Suhas Gadekar, Prolific Systems and Technologies Pvt. Ltd. Pune.
- ✚ Technical staff members of department **Mr. Sonawdekar, Mr. Satvilkar, Mr. Kedari and Mr. Bhuvad** attended three days workshop on “**Industrial Automation**” during 23-25 August, 2018 at RMCTET, Ambav. The workshop was conducted by Mr. Adwitiya Saha, Prolific Systems and Technologies Pvt. Ltd. Pune.

Staff Achievements

- ✚ **Prof. Rahul V. Dandage** was appreciated by **Internshala.com** and **AICTE, New Delhi** for the relentless efforts in promoting the culture of Internships among the students of RMCTET. Internshala.com is an online platform in collaboration with AICTE, New Delhi for offering internship opportunities to Engineering students.
Through the Industry Institute Interaction Cell (IIIC), RMCTET has made association with Internshala.com and total **796** students of RMCTET have been registered to internshala.
On **25/08/2018**, AICTE and Internshala jointly celebrated the “**Internship Day**” at AICTE Headquarter, New Delhi and appreciated the efforts taken by various Institutes in creating awareness about the importance of internships in the professional education.



- ✚ Prof. Rahul Dandage was selected as the **Best Teacher** for Academic Year **2017-18** and was felicitated by Hon. Chairman Ravindraji Mane during the 20th Anniversary of RMCET on **17/08/2018**.



(Prof. R.V. Dandage receiving the Best Teacher Award for Year 2017-18)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

✚ **Prof. R.V. Dandage** gave a seminar on the functioning of Industry Institute Interaction Cell (IIC) at RMCT and **Prof. Suware A.R.** gave a seminar on functioning of the NPTEL Local Chapter at RMCT. The seminars were conducted during the Induction Programs of First year Engineering on 28/08/2018.



(Prof. Rahul Dandage introducing the functions of IIC to FE students)



(Prof. Ashish Suware introducing the functions of NPTEL Local Chapter to FE students)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- ✚ **Prof. Ashish Suware** received the certificate of appreciation from NPTEL for his instrumental role as an **Active SPOC** for Swayam-NPTEL Local chapter at RM CET, Ambav.



- ✚ **Prof. Ashish Suware** received the **Elite-Gold Medal category certificate** with a consolidated score of **91%** in the 8 weeks NPTEL online certification course on “**Regrigeration and Air Conditioning**” during August-September 2018.



.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Students Achievements

- ✚ **Haiderali Vanu, Sange Afsan, Mapari Tausif and Nakade Arbaz** participated in the University of Mumbai organised Project competition **Avishkar 2018** at Ramrao Adik Institute of Technology, New Mumbai with their project Solar powered water harvester under the guidance of Prof. V.K. Dongare on 23/12/2018.
- ✚ **Narote Manoj, Shinde Rohit, Shinde Aniket and Shelar Abhiyash** participated in the University of Mumbai organised Project competition **Avishkar 2018** at Ramrao Adik Institute of Technology, New Mumbai with their project Organizing freight market by introducing a digital platform under the guidance of Prof. S. B. Khandekar on 23/12/2018.
- ✚ **Mr. Pushkar Burshe (BE Mechanical)** was selected as the **Internshala Student Partner (ISP)** for RMCCET campus for year 2018-19. Internshala.com is an online platform in collaboration with AICTE, New Delhi for offering internship opportunities to Engineering students.
- ✚ **Mr. Pankaj Ravindra Gode (BE Mech 2017 Batch)** got admitted to M. S. in Renewable Energy Sources (Wind Energy and Tidal Energy) with First semester in University of Strathclyde, Glasgow, UK; Second semester in UPV/EHU, Bilbao, Spain; and third is in Ecole De Nantes, Nantes, France and fourth semester Thesis.
- ✚ Total 133 students from SE and TE Mech undergone Industrial Training after Summer 2018 exams in 44 different renowned Organisations.



(Industrial training presentations conducted through IIIC on 23 and 24 October 2018)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- ✚ Mr. Pushkar Burshe (BE Mech) got selected for three internships at organisations namely, Unmaad-IIM Bangalore, United Nations Volunteer, E-Summit- IIT Roorkee during November & December 2018.
- ✚ Mr. Swanand Jayade (BE Mech) successfully completed the 8 weeks NPTEL online certification course on “Regrigeration and Air Conditioning” during August-September 2018.

Institutional Achievements

- ✚ RMCTET hosted the 51st Intercolleagiata District level Youth Festival on behalf of University of Mumbai on 06/08/2018.



.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

Prof. G.S. Jagushte worked as Faculty coordinator and **Mr. Suyog Kokate (BE Mech)** worked as Student Coordinator for the Youth Festival. The RMCTET Team was appreciated for the excellent organisation of Youth Festival. Principal Dr. M.M. Bhagwat received the Appreciation certificate from Vice Chancellor Dr. Suhas Pednekar.

- ✚ The Student Formula Racing Car **MH08 Team** won the **Design Evaluation Award** as well as **Lightest Vehicle Award** at **FFSINDIA 2018** held at Coimbatore in **October 2018**. The Team was headed by Mr. Pranit Watve (BE Mech student) under the guidance of Faculty advisor Prof. A.S. Raut.



(Team MH08 with awards won by Farmula Racing car)



(Trophies won for Best design and Lightest vehicle)

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....

- ✚ RMCET completed its **20** years of establishment on **17/08/2018**. A grand function was organised to celebrate this event as well as the 60th Birthday of Hon. Chairman Shri Ravindraji Mane. All the Ex-Principals of RMCET were invited and felicitated for their contribution in the development of RMCET as a renowned institute in the konkan region.



(Members of Board of Directors with Hon Chairman Ravindraji Mane celebrating the 20th Anniversary of RMCET)

Forthcoming Events in EVEN SEM 2018-19

- ✚ 6 Days workshop on “**Adavnced Mechatronics Systems**” in association with Prolific Systems and Technologies Pvt. Ltd. Pune for TE Mech students during 28th March-2nd April 2019
- ✚ **Soft Skill Training program** for SE students in January 2019.
- ✚ A seminar on **HVAC** for BE Mech students in March 2019
- ✚ A seminar on **Guidelines for GATE exam** for TE Mech students in February 2019
- ✚ One day workshop on **Basics of CFD** for SE Mech students in March 2019
- ✚ One day workshop on **Experimental performances in Heat Transfer and Fluid Mechanics** in Second week of March 2019.

.....KEEP THE LAMP OF KNOWLEDGE BURNING TO ACHIEVE THE VISION.....