

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,

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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.

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- 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.

From HOD's Desk

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

The Even semester of academic year 2017-18 was full of activities. Department of Mechanical Engineering hosted the National level Technical Symposium Scintilla 2K18 and it was a great success to have more than 700 participants from various institutes. The department was received as grant of Rs. 3,00,000 from AICTE/ISTE for conducting Faculty induction programme. During the annual sports and cultural festival Aarohan 2018, The Mechanical Engineering students showed their talents in every event. These all activities are helpful in grooming the overall personality of every student and in boosting their confidence.

I wish all the best for 2017-18 batch for their professional career in future.

Staying together is 'progress'

Working together is 'success'

Dr. Sachin. N. Waghmare
Head ,Mechanical Engineering Department

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Events & Co-curricular Activities

- ✚ A seminar on “Career Opportunities in Management Sector” was organized on 30th March 2018 for final year mechanical engineering students of our Institute under Career Guidance cell of Department of Mechanical Engineering.



(Resource Persons Mr. Sudarshan Jadhav delivering the session)

This seminar was conducted by Mr. Sudarshan Jadhav, HOD, MMS, RMCET, Ambav. This seminar was co-ordinated by Mr. O.P. Bhatkar (Asst. Prof. Mech. Dept. RMCET) and was attended by 54 students of B.E. (Mechanical Engineering)

The students were given information about the various specializations available in MMS studies and the various eligibility requirements to get admission to MMS programme.



(Resource Persons Mr. Sudarshan Jadhav and Mr. Milind Shinde (MMS Dept) with HOD Dr. S.N. Waghmare and Coordinator Mr. O.P. Bhatkar)

- ✚ A seminar on “MPSC Guidelines” was organized on 04th April 2018 for mechanical engineering students under career guidance cell of department of Mechanical Engineering.



(Dr. M.M Bhagwat felicitating Resource faculty Mr. Roshan Acharekar)

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(Resource faculty Mr. Roshan Acharekar delivering the seminar)

This seminar was delivered by Mr. Roshan Acharekar, Asst. Motor Vehicle Inspector, Govt. of Maharashtra. The primary objective of this seminar was to give the engineering student a basic understanding of the preparation of MPSC exam and motivating the students to appear for these exams. This seminar was co-ordinated by Mr. O.P. Bhatkar (Asst. Prof. Mech. Dept. RMCTET) and was attended by 61 students of B.E. (Mechanical Engineering)

✚ Fairwell function of final year Mechanical Engineering students was arranged by Third Year students on 12th April 2018.

Student representatives delivered the speeches on their 4 year journey in RMCTET. Principal and HOD addressed the students and gave them best wishes for their future.

During the function RMCTET Nature club student membership certificates were distributed to final year student. The event was coordinated by Mr. M S Prabhavalkar.



(Event Coordinator Mr. M.S. Prabhavalkar, Principal Dr. M.M. Bhagwat and HOD Dr. S.N. Waghmare)



(Principal Dr. M.M. Bhagwat distributing Nature Club certificates)

✚ One day workshop on “3D Printing” organised by Mechanical Engineering Department on 27 Feb 2018 for Second and Third Year mechanical engineering students.

Resource person Mr. Utkarsha Ankalkhope is alumni of RMCTET and has completed his Master’s from De Montfort University in rapid product development. Now he is working as Senior Research Engineer in Manufacturing Tech Centre, UK.

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(HOD Dr. S.N. Waghmare, Principal Dr. M.M. Bhagwat and Resource person Mr. Utkarsha Ankalkhopte during the inauguration ceremony)

During the workshop, in first session he explained the different methods of manufacturing, technology in it, materials to be used in detail. In his second session he talked on additive manufacturing, when it is used, which types of products can be produced with this technology, its different applications in automobile, fashion and medical fields and also on different types of 3 D printers.

The Students actively participated in the workshop to improve their practical knowledge and confidence. The 148 students and departmental staff participated in the workshop for complete day. Workshop was coordinated by Mr. M S Prabhavalkar and Mr. G S Jagushte.

- ✚ Department of Mechanical Engineering had organized Expert seminar on “Preparation Tips for GATE Exam just before the Schedule of Examination” for final year students on 15th January, 2018 through GATE FORUM. Resource Person for the session was Mr. Roshan Aacharekar from Govt. Polytechnic, Malwan. The main topics covered in the seminar were strategy of Revision, Question paper practice methodology etc. This seminar was co-ordinated by Mr. Khandekar S.B. and Mr. Raut S.K. This session was attended by 25 students of B.E. (Mechanical Engineering).

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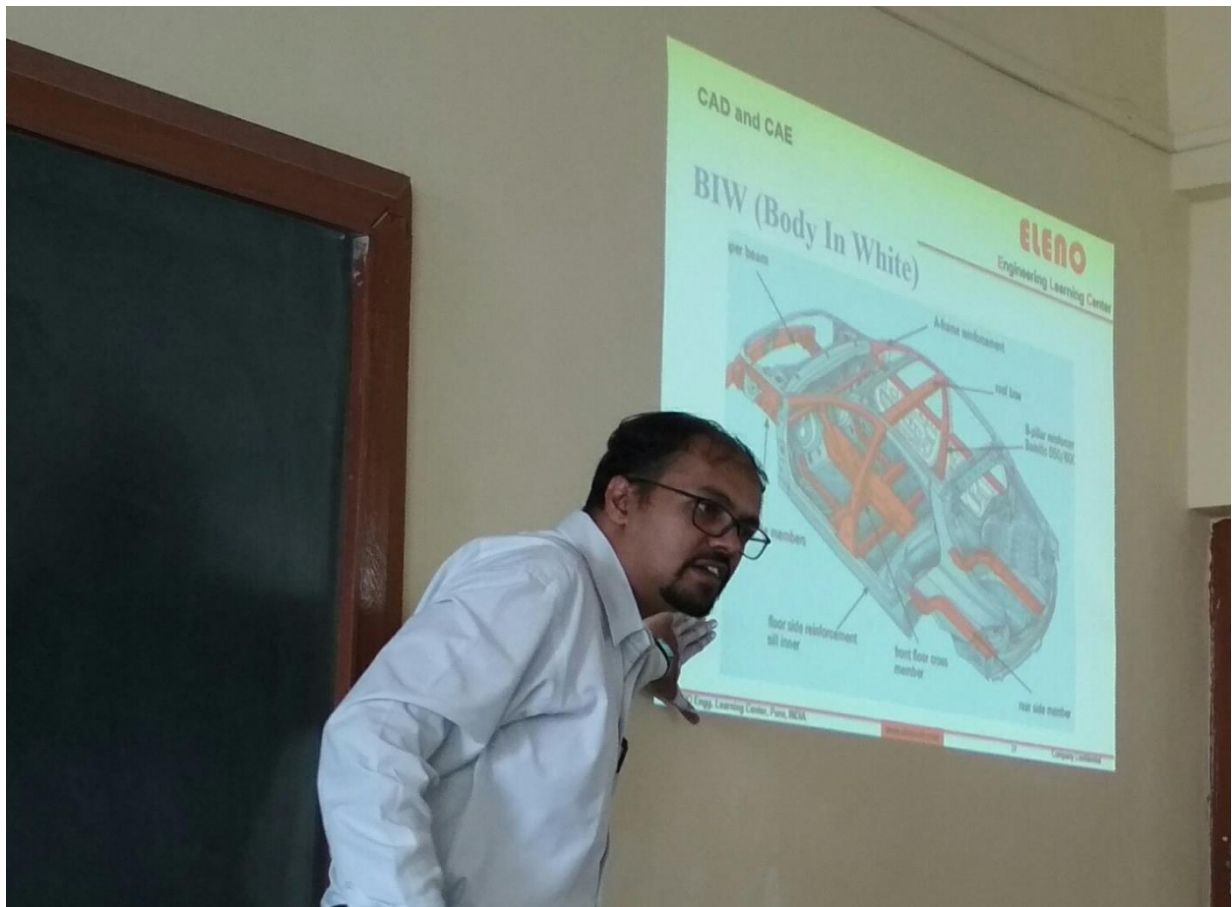


(Resource person Mr. Roshan Acharekar interacting with the GATE 2018 aspirants)

- ✚ Department of Mechanical Engineering had organized Expert seminar on “GATE Exam preparation and Opportunities after GATE Exam” for T.E.(Mech.) students on 27th March, 2018 through GATE FORUM. Resource Person for the session was Mr. Bharat Devrukhkar who is working as JRF in IIT Bombay. The main topics covered in the seminar were How to start GATE Exam Preparation, Study material, Opportunities after GATE Exam. This seminar was co-ordinated by Mr. Khandekar S.B. and Mr. Raut S.K. This session was attended by 46 students of T.E. (Mechanical Engineering).
- ✚ The Industry Institute interaction cell organized an Industry Expert Seminar for the final year Mechanical Engineering students on 28/03/2018. The seminar topic was “Awareness about the recent trends in CAE- Vehicle Crash Analysis”. The resource person for the seminar was Mr. Nachiket Phadke who is Director and Training Head at ELENO Engineering Learning Center, Pune. During the seminar, Mr. Phadke explained about the fundamental aspects of CAD/CAM and CAE field. He gave overview of the various software tools which are used by various industries for the Computer Aided Engineering (CAE). He focused on the application of the CAE in Vehicle Crash Analysis. The various types of tests that are performed during the crash analysis by car manufacturing companies were explained.

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Total 54 students of BE Mechanical Engineering attended this seminar. Prof. R. V. Dandage (Head, Industry Institute Interaction Cell) coordinated the seminar. The students expressed that the seminar was really helpful in creating awareness about the application of CAE for Vehicle Crash Analysis.



(Resource person Mr. Nachiket Phadke explaining safety aspects of Car Chassis)

✚ The Industry Institute interaction cell organized an Industry Expert Seminar for the second year Mechanical and Automobile Engineering students on 15/02/2018. The seminar topic was “Hyperloop Technology”.

The resource person for the seminar was Mr. Shrikant Bidwai who is Marketing Manager at CAD/CAM GURU, Pune.

During the seminar, Mr. Bidwai demonstrated the fundamental concept of Hyperloop Technology and how it will be a revolution in the transportation system in the coming future.

He explained about the application of Hyperloop Technology in Indian Scenario and expressed the need of such high end transportation system for connecting the metro cities in India.

Total 62 students of SE Mechanical and 45 students of SE Automobile Engineering attended the seminar. The Seminar was coordinated by Prof. R.V. Dandage (Head, IIIC)



(Resource person Mr. Shrikant Bidwai explaining the concept of Hyperloop transportation)

✚ A Seminar on Career opportunities as Design Engineer was organized on 01/02/2018 for Third year Mechanical Engineering students. Mr. Uday Gondhalekar from A3L Ed Tech, Pune was the resource person.



(Resource person Mr. Uday Gondhalekar interacting with the students)

He demonstrated the various qualities which must be possessed by a design engineer. He gave the students an overview of the current industrial scenario and the status of recruitment opportunities

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for fresher BE Mechanical Engineers. The students interacted with the resource person regarding their queries about the various opportunities after completion of engineering graduation.

The students were demonstrated the need to prepare their career plan in the third year of engineering itself so that they can identify the pre-requisites of their career plan and start acquiring the respective skills. Especially the students who are aiming to become Design Engineer must inculcate the necessary qualities like in depth knowledge of Mechanical engineering fundamentals, Creative approach, improving the soft skills and proficiency in the design and analysis software.

The seminar was attended by 55 students of TE Mechanical Engineering. The seminar was coordinated Prof. Rahul V. Dandage (Asst. Prof. and Training & Placement Cell Coordinator, Mechanical Engg.)

- ✚ A Seminar on Career opportunities as Design Engineer was organized on 23/02/2018 for Final year Mechanical Engineering students. Mr. Uday Gondhalekar, Mr. Anand Bellad and Mr. Prashant Bellad from A3L Ed Tech, Pune were the resource persons.



(Resource person Mr. Uday Gondhalekar interacting with the students)

They demonstrated the various qualities which must be possessed by a design engineer. They gave the students an overview of the current industrial scenario and the status of recruitment opportunities for fresher BE Mechanical Engineers.

The students interacted with the resource person regarding their queries about the various opportunities after completion of engineering graduation.

The students were demonstrated the need to prepare their career plan so that they can identify the pre-requisites of their career plan and start acquiring the respective skills. Especially the students

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who are aiming to become Design Engineer must inculcate the necessary qualities like in depth knowledge of Mechanical engineering fundamentals, Creative approach, improving the soft skills and proficiency in the design and analysis software.

The Seminar was followed by a Design Aptitude Test of 1 Hr duration. The seminar and test were attended by 75 students of BE Mechanical Engineering. Total 21 students were shortlisted through the design aptitude test. Prof. Rahul V. Dandage (Asst. Prof. and Training & Placement Cell Coordinator, Mechanical Engg.) coordinated the activity.



(BE students giving Design aptitude Test)

- ✚ A design aptitude test was conducted on 23/02/2018 for third year Mechanical Engineering students. Mr. Uday Gondhalekar, Mr. Anand Bellad and Mr. Prashant Bellad from A3L Ed Tech, Pune conducted the test. The test was attempted by 22 students from TE Mechanical Engineering and 14 students were shortlisted. Prof. Rahul V. Dandage (Asst. Prof. and Training & Placement Cell Coordinator, Mechanical Engg.) coordinated the activity.



(TE students giving Design aptitude Test)

✚ A Seminar on “CAD/CAE and Career Guidance in Design Field” is delivered by Mr. Rishikesh Sawant (Milestone Institute of Technology, Dadar, Mumbai.) on 16th March 2018. This Seminar was organized for the Final Year Mechanical Engineering students and fifty three students were present for this seminar.



(Resource Person Mr. Rishikesh Sawant delivering the seminar)

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The content of seminar was introduction & application of Computer Aided Design/Computer Aided Engineering. Introduction of various software packages which are used in market is given by speaker. A valuable guidance regarding how to make career in design field is also given. Prof. A.V. Javir (MESA Coordinator) coordinated the seminar.

- ✚ One day workshop on “3D Printing Using FDM Method” is organized by MESA and conducted by Mr. Museb Modak, Mr. Tejas Pimpale and Mr. Ketan Bhalekar on 19th March 2018. This workshop was organized for the students of Second Year Mechanical Engineering students and twenty eight students have successfully participated for this workshop. The content of workshop was introduction of 3D printing and its applications, types of 3D printing techniques, detail description of Fused Deposition Modeling, various sequential steps of 3D printing and demonstration on 3D printing machine. Some models like gear, automobile company’s logo etc. were printed successfully during this workshop. Prof. A.V. Javir (MESA Coordinator) coordinated the workshop.



(Prof. A.V. Javir introducing the objectives of the workshop)

- ✚ A Seminar on “Communication Skill & Personality Development” is delivered by Ms. Shalaka Rao (Bhilwara Infotech, Banglore) on 24th March 2018. This Seminar was organized for the students of Second Year Engineering students and sixty two students get benefited from this seminar. The content of seminar was how to improve communication skill, how to develop personality and how to improve interview skills. The session was interactive and the students shown their interest by involving in some activity which were conducted by speaker. Prof. A.V. Javir (MESA Coordinator) coordinated the seminar.

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(Resource Person Ms. Shalaka Rao delivering the seminar)

- A Seminar on “Career Opportunity in Merchant Navy” is delivered by Mr. Akshay Pal (4th Engineer, VShip India Pvt Ltd) & Mr. Subhash Saran (4th Engineer, ASP Ship Management) on 27th March 2018. This Seminar was organized for the students Final Year Mechanical Engineering students and forty eight students get benefited from this seminar. The content of seminar was introduction of Merchant Navy, procedure to apply, preparation for appearing for such exams, job environment & opportunities for mechanical engineers in Merchant Navy.



(Resource Persons Mr. Akshay Pal and Mr. Subhash Saran delivering the seminar)

- Department of Mechanical Engineering had organized a one Week Certificate course on “Soft Skill: Basic & Practical English” in Association with Seed Infotech Ltd. Pune during 02/04/18 to 07/04/18. This Course was organized for S. E. Mechanical students. Total 72 students were attended this program. Resource Person for the course was Mr. Kalyan Kumar. The main

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topics covered in the course was Basic grammar, Interpersonal Skills, and Soft skills. This Course was co-ordinated by Mr. Jagushte G. S.



(Training & Placement coordinator Prof. R.V. Dandage, Course Coordinator Prof. G.S. Jagushte, Resource Person Mr. Kalyan Kumar and HOD Dr. S.N. Waghmare during inaugural function)

Parents Meeting

A parents meeting was conducted on 16-03-2018 regarding training and placement activity. The parents of 14 students (TE Mech) shortlisted through a design aptitude test were called for a meeting with the authorities of A3L Ed Tech, Pune.



(HOD Dr. S.N. Waghmare, Mr. Gondhalekar and Mr. Bellad interacting with the parents)

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Mr. Uday Gondhalekar and Mr. Anand Bellad explained the overall outline of the placement assured training. They shared their experiences about the difficulties faced by fresh engineers to get recruited as design engineer in reputed firms. They demonstrated the gap between the qualities possessed by fresh Engineers and the expectations of Industries.



(Parents and concerned students during the meeting)

The parents interacted with the authorities of A3L Ed Tech, Pune regarding their queries about the placement assured training. They thanked college for taking initiative for organizing such training through which the students can become industry ready and will get recruited before completion of their academic degree.

Industrial/ Field Visits

✚ As a part of Mumbai University curriculum, it is mandatory for Final year Mechanical Engineering students to undergo industrial visit and gain practical knowledge for the subjects Automobile Engineering (AE) and Design of Mechanical Systems (DMS) . For this purpose Department of Mechanical Engineering had organized Industrial Visit to S.T. Divisional Workshop Ratnagiri on 24th March 2018.

During this visit student visited the different sections and departments of Divisional Workshop and got practical knowledge about Design specifications, working and maintenance of various Automobile Systems under the guidance of Mr. Shinde sir (Asst. Mechanical Engineer) and Heads of various departments. This visit was co-ordinated by Mr. Raut S.K. and Mr. Raut A.S. (Asst. Prof. Mech. Dept. RMCTET). This visit was attended by 71 students of B.E. (Mechanical Engineering).

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(Students during the visit to State Transport Divisional Workshop, Ratnagiri)



(Students understanding the construction and working of various Automotive components)

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✚ As a part of curricular requirement of subject Refrigeration and Air Conditioning, Industrial visit was conducted at Aboobaker ICE and Cold Storage, Ratnagiri on 14/04/2018. During Plant Visit Students were taken through Primary and Utility Area of the RAC Plant. In Primary area student observed Components and Construction of actual Industrial VCRS plant and Working. Student practically observed working of VCRS (Compressor, Condenser, Evaporator and Expander), Compressor, Thermal Pools, Cooling Towers, Piping and Transfer Ducts. Total 54 Students along with Mr. Suware A. R. and Mr. Dongare V. K. visited the plant.



(Students during the visit to Aboobaker Ice and Cold Storage, Ratnagiri)

✚ As a part of curricular requirement of subject Refrigeration and Air Conditioning, Industrial visit was conducted at CIPLA Unit I, Verna Goa on 09/04/2018. During Plant Visit Students were taken through Primary and Utility Area of the HVAC Plant. In Primary area student observed Components and Construction of actual Industrial AHU (Air Handling Unit) and Working. In Utility Section Student Practically Observed working of VCRS (Compressor, Condenser, Evaporator, Expander), Steam Generator, Compressor, Thermal Pools, Cooling Towers, Piping and Transfer Ducts. Total 25 Student Visited the plant. Mr. Suware A. R. and Mr. Dongare V. K. Coordinated the visit.

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(Students during the visit to Cipla Pharmaceuticals, Verna, Goa)

✚ As a part of curricular requirement of subject Automobile Engineering, Industrial visit was conducted at ACGL, Honda, Goa on 09/04/2018. During Plant Visit Students were taken through Utility Area of the Automobile Body Building Plant. Student got Practical Experience of Automobile Manufacturing and Testing. Total 25 Students visited the plant. Mr. Suware A. R. and Mr. Dongare V. K. Coordinated the visit.



(Students during the visit to ACGL Goa)

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Scintilla 2K18

PRABODHAN SHIKSHAN PRASARAK SANSTHA'S

Rajendra Mane College of Engineering & Technology

Recognised by AICTE New Delhi, Affiliated to Mumbai University
At & Post- Ambav, Devrukh, Tal- Sangmeshwar, Dist- Ratnagiri, 415 804
NAAC B+ Accredited, AICTE-CII Gold Category, ISTE Best Campus Award

A NATIONAL LEVEL TECHNICAL SYMPOSIUM

SCINTILLA 2K18

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STE Super Tech, Sangli

The Automation People PROLIFIC ISO 9001:2008 & ISO 14001:2004

Ajay Construction

SUNIL CONSTRUCTION

HP Marleshwar

CAD CAM GURU ISO 9001:2000 Learning Environment

Hon. Shri. Ravindraji Mane
Chairman PSPS



(Hon. Chairman Mr. Ravindraji Mane giving Presidential address during inauguration of Scintilla 2K18)

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(RoboRace during Scintilla 2K18)



(Rajendra Mane Polytechnic receiving General Championship trophy and Certificate at the hands of Hon. Chairman Mr. Ravindraji Mane sir and Executive Chairperson Ms. Nehaji Mane madam)

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Department of Mechanical Engineering hosted the ISTE approved National level Technical Symposium “Scintilla 2k18” on 16-17 February 2018. More than 700 students from 15 different institutes participated in total 24 different events.

The various events included were RoboRace, Quiz, Gaming, Spot photography, Futsal, PPT, CalciWar, Gaming, PC Assembling, PCB Designing, CAD Modelling, Embedded C Programming for 8051, Green Techno Modelling, Project competition etc.

The student coordinator for the event was Mr. Swraj Sawant and Faculty coordinators were Mr. R.V. Dandage and Mr. G.S. Jagushte. Rajendra Mane Polytechnic won the General Championship Trophy.

AICTE/ISTE sponsored One week Induction/Refresher Course on Recent Advances in Computer Aided Engineering

Department of Mechanical Engineering received a grant of Rs.3,00,000 from AICTE & ISTE for conducting One week Induction/Refresher Course on Recent Advances in Computer Aided Engineering. The Refresher course was conducted during 25 June-30 June 2018. Dr. S.N. Waghmare was the Coordinator for this refresher course. Total 42 teaching faculties from various institutes participated in the refresher course. People from various institutes like IIT, Government and private Engineering Colleges, Defence Institutes, and industries were invited as Resource persons.



(Principal Dr. M.M. Bhagwat, HoD Mechanical Dr. S.N. Waghmare, Guest of Honour Dr. Mohite from IIT Kanpur, Hon. Chairman Ravindraji Mane and Executive Chairperson Ms. Nehaji Mane during Inaugural function)

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(Participants of the Induction/Refresher Course)



(Hon. Chairman Ravindraji Mane , HoD Mechanical Dr. S.N. Waghmare, Principal Dr. M.M. Bhagwat, ISTE Executive secretary Prof. Vaidya, and Executive Chairperson Ms. Nehaji Mane during valedictory function)

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(ISTE Executive secretary Prof. Vaidya congratulating RMCET Team for successful conduction of the Refresher course as expected by AICTE and ISTE, New Delhi)

Research Paper Presented / Published by Faculty and Students

- ✚ S. N. Waghmare, S S Sawant, P N Gurav, P S Nivalkar & P M Sawant (2018), “Analysis of Air Intake for Formula Student Race Car”, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume: 05 Issue: 04 | Apr-2018, pp.4254-4258
- ✚ S. N. Waghmare, Rahul Dhawale, Dinesh Joshi & Vaibhav Kamble (2018), “Performance analysis of single cylinder four stroke engine using swirl chamber intake system”, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 04 | Apr-2018 , p-ISSN: 2395-0072, pp.4259-4261.
- ✚ Sawant Swaraj, Gurav Poonam, Nivalkar Pratiksha, Sawant Pranav , Dr. Waghmare Sachin (2018) “Design and Fabrication of Air Intake for FSAE Race Car”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ Dandage R.V. , Mantha S.S., Rane S.B., Bhoola Vanita (2018) “Analysis of interactions among barriers in project risk management” Journal of Industrial Engineering International

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(JIEI- Springer Group Publication), DOI 10.1007/s40092-017-0215-9 , March 2018, Volume 14, Issue 1, pp. 153–169, ISSN- 1735-5702.

- ✚ **Dandage R.V. ,Mantha S.S. ,Rane S.B. (2018) “Ranking ranking the risk categories in international projects using TOPSIS Method”, International Journal of Managing Projects in Business (IJMPB- Emerald Group Publication), ISSN- 1753-8386, Vol. 11 Issue: 2, pp.317-331, <https://doi.org/10.1108/IJMPB-06-2017-0070>.**
- ✚ **Kshirsagar P.R. , Mehul Shirke, Swapnil Tambe,Karyappa Tone, Sanket Toraskar (2018) “Design, Development and Manufacturing of Special Purpose Machine for Serration Operation ” 11th International conference on Recent Innovations in Science, Engineering and Management at Genba Sopanrao Moze college of Engineering, Pune on 7th April 2018. ISBN: 978-93-87793-19-4**
- ✚ **Kshirsagar P.R. , Mehul Shirke, Swapnil Tambe,Karyappa Tone, Sanket Toraskar (2018) “Design, Development and Manufacturing of Special Purpose Machine for Serration Operation ” International Journal of Advance Research in Science and Engineering, Vol. 7 (Sp. Issue 3), April 2018, ISSN: 2319-8354, pp. 764-770**
- ✚ **Kshirsagar P.R. , Mohammed Suhail Hodekar, Danish Jamadar, Nihal Arvind, Pushpraj Phodkar (2018) “Alternate Way of Running Air Conditioning System in Vehicle Using Hybrid Suspension System”, International Journal of Research in Advent Technology, Vol.6, No.4, April 2018, ISSN: 2321-9637, pp. 293-299**
- ✚ **Prabhavalkar M.S., Dhole, Dhanawde, Bargude (2018) “Determination of Tempering Temperature and It’s Effect on Different Sized Specimen of EN 24 Steel”, 13th International conference on RTESM, 23-24 April 2018, Reva University, Bengaluru, ISBN: 978-93-87793-13-2.**
- ✚ **Prabhavalkar M.S., Dhole, Dhanawde, Bargude (2018) “Determination of Tempering Temperature and It’s Effect on Different Sized Specimen of EN 24 Steel”, IJARSE, Vol. 7(7), pp. 937-945, ISSN: 2319-8354.**
- ✚ **Javir Arun, Modak Museb, Pimple Tejas, Malavde Amey, Bhalekar Ketan(2018) “3D Printing using Fused Deposition Modelling (FDM)” International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052**
- ✚ **Javir Arun, Kambli Suyash, Pandharpatte Akshay, Sawant Prathmesh, Shingare Venkatesh (2018) “Design and Fabrication of Pneumatic Paneer Cutting Machine”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052**

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- ✚ **Jagushte Ganesh, Gandhi Shreyas, Ghag Abhijit, Hegishte Vishal, Kadam Amey (2018)** “**Design And Development Of Solar Powered Bi-cycle**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Jagushte Ganesh, Warang Akshay, Zore Rahul, Patil Gourav, Gawande Vaibhav (2018)** “**Design and Development of Bicycle using Kinetic Energy Recovery System**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Dongare Vaibhav, Kinare Rohit, Parkar Mandar, Salunke Rahul (2018)** “**Review on Thermoelectric Refrigerator**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Rasal Sandesh, Birje Sandhya, Pawaskar Prajakta, Niwale Namrata, Dhuri Prajakta (2018)** “**Experimental Performance Analysis of Triple Tube Heat Exchanger with Dimple Tubing**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Solkar S., Dabhilkar H., Khedekar S., More A., Raut A.S. (2018)** “**Design and Manufacturing of Multi-Degree Rotation of Fixture for Drilling Operation**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Shinde Prasad, Dhanji Shubham, Phalke Abhijeet, Sawant Abhishek (2018)** “**Design and Development of Hydraulic Power Hammer**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Hodekar Mohammad, Jamadar Danish, Nihal Arvind, Phodkar Pushparaj (2018)** “**Alternate Way of Running Air Conditioning System in Vehicle Using Hybrid Suspension System**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Bobade Akib, Desai Avinash, Dharvat Sushant, Gamare Parag (2018)** “**Design & Manufacturing of Manually Operated Multipurpose Rice Transplanter**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052
- ✚ **Bait Girish, Makade harshali, Mohite Abhijeet, Patil Gaurav (2018)** “**A Review: Solar Dryers For Food Preservation**”, International Journal for Science and Advance Research In Technology, Special Issue CTRD2017, ISSN [ONLINE]: 2395-1052

Faculty Development Programmes/ Seminars/Workshops Attended

- ✚ Prof. Dandage R.V., Prof. Javir A.V., Prof. Khandekar S.B., Prof. Suware A.S., Prof. Prabhavlakar M.S. and Prof. Jagushte G.S. attended One week AICTE/ISTE Sponsored Induction/ Refresher course on “Recent Advances in Computer Aided Engineering” at RMCCET, Ambav during 25/06/2018 to 30/06/2018.
- ✚ Prof. S. B. Khandekar attended Orientation Programme for Course Fluid Mechanics on 12/01/2018 at PCE, Panvel.

Staff Achievements

- ✚ Dr. S. N. Waghmare worked as coordinator and received a grant of **Rs. 3, 00,000/-** from AICTE-ISTE to conduct of one week AICTE-ISTE Induction/Refresher Programmes titled “Recent Advances in Computer Aided Engineering”.
- ✚ Dr. Sachin N. Waghmare delivered an Expert Lecture on “**Basics of Machine Design**” for Third Year Mechanical Engineering students on 18 January 2018 at Government Polytechnic, Ratnagiri.
- ✚ Dr. Sachin N. Waghmare delivered an Expert Lecture on “**Design of Machine Elements**” for Third Year Mechanical & Automobile Engineering students on 30 January 2018 at Sahyadri Polytechnic, Sawarde



(Expert Lecture at Govt. Polytechnic , Ratnagiri)



(Expert Lecture at Sahyadri Polytechnic, Sawarde)

- ✚ Prof. A.V. Javir delivered a session on “**Hands-on using Ansys APDL**” on 28th June 2018 in the One week AICTE/ISTE Sponsored Induction/ Refresher course on “Recent Advances in Computer Aided Engineering” at RMCCET, Ambav
- ✚ Prof. R. V. Dandage submitted his **Ph.D. Thesis** to University of Mumbai on 03/04/2018.

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- ✚ **Prof. R.V. Dandage** received a grant of Rs. 30,000 from University of Mumbai for minor research proposal entitled “Exploring and analysing the critical success factors for effective SCM in Indian industries using ISM and TOPSIS”

Students Achievements

- ✚ **Mr. Shreyas Dongare, Mr. Aditya Jadhav, Mr. Riddhesh Ghag & Mr. Suyog Anerao** were felicitated at the hands of Hon. Chairman Mr. Ravindraji Mane sir and Executive Chairperson Ms. Nehaji Mane madam during the valedictory function of Scintilla 2k18 for getting placed in India Book of records 2017. These students prepared a replica model of RMCTET main building using waste materials.



(Felicitation of students during valedictory function of Scintilla 2k18)

- ✚ Mr. Rahul Dhawale, Mr. Omkar Dalvi and Mr. Tejas Pimple got selected for Yash Industries, Pune as Trainee Engineer.
 - ✚ Mr. Akshay Karande joined Dexcel Plast Pvt. Ltd. Chakan, Pune as Graduate Trainee Engineer.
 - ✚ Mr. Abhijeet Mohite joined Aashis Products, Vasai (E) as Graduate Trainee Engineer.
 - ✚ Mr. Gourav Patil joined Europack Machines India Pvt. Ltd. Mumbai as Graduate Trainee Engineer.
 - ✚ Mr. Pushparaj Phodkar joined Automatic Engineering Works, Andheri (E), Mumbai as Graduate Trainee Engineer.
 - ✚ Mr. Shubham Shitap joined Saraswati Industries, Bhosari, Pune as Graduate Trainee Engineer.
 - ✚ Mr. Tushar Surve joined Unique Chemoplant Equipments, Ambarnath as Graduate Trainee Engineer.
 - ✚ Mr. Tejas Pimple joined Steel Samrat, Boisar as Graduate Trainee Engineer.

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Institutional Achievements



Indian Society for Technical Education (ISTE), New Delhi conferred Best Campus (Engineering) Award to Rajendra Mane College of Engineering and Technology for Year 2018

- ✚ In a survey conducted by **India Today Magazine**, RMCCET ranked **144th** in the **165 TOP private Engineering Colleges** in India.

Forthcoming Events in EVEN SEM 2017-18

- ✚ 6 Days workshop on “**Advanced Mechatronics Systems**” in association with Prolific Systems and Technologies Pvt. Ltd. Pune for BE Mech students during 20-25 August 2018.
- ✚ Soft Skill Training program for TE and BE students.