

## **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**

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

*Editor - Dr. 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.

### **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 even semester of academic year 2018-19 was full of activities and achievements. During the annual sports and cultural event AAROHAN2K19, Mechanical Engineering students showed their skills and abilities in every activity. These all activities are helpful in grooming the overall personality of students and in boosting their confidence.

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It gives me great pleasure to inform you that one of our staff members Prof. R.V. Dandage has completed his Ph.D. in Mechanical Engineering from Sardar Patel College of Engineering, Mumbai under University of Mumbai on 28/05/2019. Heartiest Congratulations to Prof. R.V. Dandage, your dedication has surely brought you huge success.

The placement status for 2018-19 batch is really very good with total 36 job offers in 11 different organisations. Moreover, its really a great feeling to see that some students have more than 1 offers in hand. Congratulations to all the recruited students and kudos to the TPO, placement coordinator and all staff of Mechanical engineering department. I take this opportunity to extend our sincere thanks to all recruiting organisations and the recruiting authorities. Special thanks to our distinguished alumnus Mr. Rinku Bhat (Vice President, Projects) at fablab Engineering India Pvt. Ltd Thane for conducting campus recruitment drive at RMCTET.

I wish a very happy, healthy and prosperous new academic year 2019-20 to all stakeholders of RMCTET.

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

**Dr. Sachin. N. Waghmare**

Head ,Mechanical Engineering Department

### Events & Co-curricular Activities

- ✚ Department of mechanical Engineering organised a seminar on **“Guidelines for Higher Studies and Job Career”** for BE Mechanical students on **18<sup>th</sup> January 2019**.



*(Mr. Bipin Shedge delivering the session)*

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**Mr. Bipin Shedage** Alumnus of Batch 2006-07 of Mechanical Engineering Department Presently working as Software Engineer Siemens PLM Software Inc. Cypress, California USA and his wife **Mrs. Anjani Lahane-Shedage** working as Software Quality Assurance, Ethos MS from University of Cincinnati delivered the seminar. Alumni association coordinator **Prof. V.K. Dongare** coordinated the seminar.

✚ Department of Mechanical Engineering had organized Expert seminar on “**Gate Exam Awareness**” for T.E. (Mech., Auto & Extc) students on **29th January, 2019** through GATE FORUM. Resource Person for the session was **Mr. Paresh Gugale** from Imperial Institute of Excellence, Pune. The main topics covered in the seminar were

- i. Career opportunities after GATE Exam.
- ii. Nature of questions paper of GATE Exam.
- iii. Discussion on Syllabus of GATE Exam Preparation of manufacturing stream subjects for GATE Exam.
- iv. Information regarding coaching, fee structure at Imperial Institute.



*(Mr. Paresh Gugale delivering the session)*

This seminar was co-ordinated by **Mr. Khandekar S.B.** This session was attended by 70 students of T.E. (Mech., Auto & Extc.)

✚ Mechanical Engineering Students Association on **7th Feb 2019**, on behalf of Rajendra Mane College of Engineering & Technology under **Institutional Social Responsibility (ISR)** delivered a seminar on “**Use of Solar Energy**” at Ashram Shala, Nive. The final year Mechanical Engineering

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Students **Mr. Rohit Shinde, Mr. Prashant Nade, Mr. Almufid Phansopkar** delivered the seminar. Total 70 students of secondary school have attended this seminar. The objective of conducting this activity is to give basic knowledge and create awareness among students regarding solar energy. **Dr. S.N. Waghmare (HOD. Mechanical)** guided to Higher Secondary School Student regarding career opportunity in Engineering Field. This activity is successfully completed under the guidance of MESA Coordinator **Mr. A.V. Javir**.



*(MESA committee students delivering the seminar)*

✚ Mechanical Engineering Students Association On **7th Feb 2019**, on behalf of Rajendra Mane College of Engineering & Technology under **Institutional Social Responsibility (ISR)** delivered a seminar on “**Fundamentals of Automobile**” at Lokvidyalaya, Tulsani. The final year Mechanical Engineering Students **Mrs. Karishma Kadam, Mr. Rahul Pawaskar, Mr. Suyog Kokate, Mr. Dattatray Karkare** delivered the seminar. Total 140 students of secondary school have attended this seminar. The objective of conducting this activity is to give basic knowledge and create awareness among students regarding fundamental concepts of Automobile. **Dr. S.N. Waghmare (HOD. Mechanical)** guided to Higher Secondary School Student regarding career opportunity in Engineering Field. This activity is successfully completed under the guidance of MESA Coordinator **Mr. A.V. Javir**.

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*(MESA committee students delivering the seminar)*

- ✚ The department of Mechanical Engineering in association with IQAC organized one day seminar on “**Quality Research Paper Publications (QRPP)**” on **6<sup>th</sup> March 2019** for all faculty members of RMCTET. The Resource Persons for this seminar was **Prof. Rahul Dandage** and the seminar was coordinated by **HOD (Mech) Dr. S.N. Waghmare**.



*(Prof. Rahul Dandage delivering the seminar on QRPP)*

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The seminar focussed on following points.

- Reputed Publications
- Scopus Indexing
- ABDC Journals List
- ‘h’ index and Citations
- Writing a good abstract
- Importance of Grammar, spellings and punctuations
- Common mistakes leading to paper rejection
- Peer review process of standard journals
- Standard timeline for paper publication
- Tips for scientific writing
- Writing a literature review paper
- Examples of Literature review papers published in quality journals
- Experience Sharing for writing paper, paper acceptance and paper rejections.

✚ A seminar on “**Orientation on Project Mgmt. in Mech Engg**” organised by Career guidance cell of Mechanical Engineering Department on **12<sup>th</sup> Feb 2019** for Third Year mechanical engineering students.



*(Mr. Ashish Das delivering the seminar)*

The resource person was **Mr. Ashish Das**, Manager (business development) Synergy school of business skills, Pune. This school is a division of CAD centre, project mgmt, operational excellence

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and people skills. CGC Coordinator Mr. M S Prabhavalkar gave the introduction of programme and introduced the resource person. The Students actively participated to improve their practical knowledge and confidence. All about 43 students and departmental staff attended the seminar. Program was coordinated by **Mr. M S Prabhavalkar (Coordinator, CGC)**.

✚ Department of Mechanical Engineering organized One Day Workshop on “**Heating, Ventilation & Air Conditioning (HVAC)**” on **09/03/2019** for TE Mechanical Engineering students. The Resource person for the workshop was **Er. Museb R. Modak** from Pragmatic HVAC Engineers Pvt. Ltd. Mumbai.

During the workshop Er. Museb R. Modak explains importance of safety, concept of Heating, Ventilation and Air Conditioning, Applications of HVAC, role of HVAC Engineer, tools of HVAC Design Engineer, Autodesk REVIT software, HVAC Ventilation Systems, Role of MEP Engineer, information about HVAC AND MEP Institute and case studies of HVAC. Total 52 students have attended the workshop. The workshop coordinated by **Prof. V. K. Dongare**, Assistant Professor in Mechanical Engineering.



*(Dr.S.N. Waghmare felicitating resource person Er. Museb R. Modak during workshop)*

✚ Department of Mechanical Engineering organized a seminar on “**Career Opportunities in CAD/CAM/CAE**” on **19/03/2019** in RAC Lab for BE Mechanical students. The Resource person for the seminar was Mr. Vishal B. Dawangave STATIC SOLUTIONS CAD/CAM/CAE INSTITUTE, PUNE. During the workshop **Mr. Vishal B. Dawangave** briefed importance of

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CAD/CAM/CAE in Mechanical Engineering and discussed the different of opportunities such as Press Tool Design, Machine Tool Design, Plastic and Rubber Mold Design, Engine Design, Wiring Design and Automotive Seat Design. Total 40 students attended the seminar. The seminar was coordinated by **Dr. S. N. Waghmare HOD Mechanical Engineering**.



*(Dr. S.N. Waghmare welcoming Mr. Dawangave & giving brief information about seminar)*

✚ The Department of Mechanical Engineering organized an Expert Lecture for the Final year Mechanical Engineering students on **29/03/2019**. The expert lecture topic was “**COST ACCOUNTING**”. The resource person for the expert lecture was **Ms. Masooma Pagarkar** who is Assistant Professor in Finance at the MMS department of RMCTET, Ambav. Total 47 students of BE Mechanical Engineering attended the Expert Lecture. The Expert Lecture was coordinated by **Prof. R.V. Dandage**. Following topics were covered during the expert lecture.

- ❖ Difference between cost accounting and financial accounting
- ❖ Definition of cost and Elements of cost
- ❖ Cost Sheet, Job costing and Marginal costing

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*(Prof. Masooma Pagarkar delivering the expert seminar)*

- ✚ The Department of Mechanical Engineering organized an Expert Lecture for the Final year Mechanical Engineering students on **05/04/2019**. The expert lecture topic was “**FINANCIAL MANAGEMENT**”. The resource person for the expert lecture was **Prof. Sudarshan Jadhav** who is HOD of the MMS department of RMCET, Ambav.



*(Prof. Sudarshan Jadhav delivering the expert seminar)*

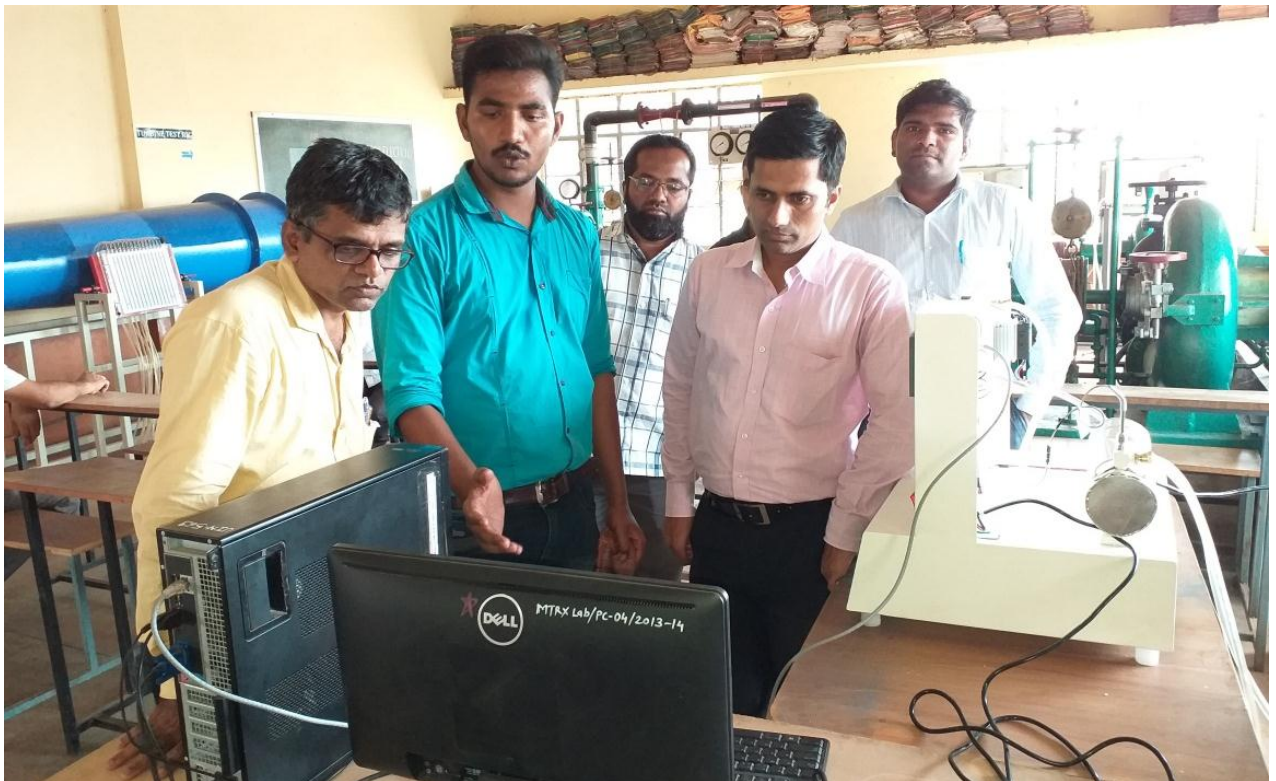
Following topics were covered during the expert lecture.

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- ❖ Methods of depreciation
- ❖ Time value of money
- ❖ Techniques for evaluation of capital investments and Financial statements

Total 22 students of BE Mechanical Engineering attended the Expert Lecture. The Expert Lecture was coordinated by **Prof. R.V. Dandage**.

- ✚ Department of Mechanical Engineering had organized one day workshop on “**Temperature Controller Trainer Kit**” on **01st April, 2019**. Resource Person for the session was **Mr. Raj Kharat** from Apex Innovations Pvt. Ltd. Sangli. The main aspects covered in the session were Software installation, Software demonstration, Equipment demonstration, Trial and experimentation on equipment, etc. The session was attended by 8 staff members of Mechanical Engg. Dept.



*(Mr. Raj Kharat demonstrating the software and hardware of the temperature controller )*

- ✚ The department of Mechanical Engineering of RMCET organized 6 days Certificate course on “**Advance Mechatronics**” during **28/03/2019 to 02/04/2019**.

**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 attended by 68 students of TE Mechanical

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Engineering. **Prof. R.V. Dandage (Training and Placement Coordinator)** coordinated the Course. **Mr. Omkar Kulkarni** worked as student coordinator.

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



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



*(Mr. Suhas Gadekar delivering the session on industrial fluid power)*

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*(Mr. Yogesh Wasade delivering the session on PLC and SCADA)*

✚ Department of Mechanical Engineering had organized one day workshop on “**Programmable Logic Controller Trainer Kit**” on **09th April, 2019**. Resource Person for the session was **Mr. Gore Asaram D.** from Anshuman Tech. Pvt. Ltd. Pune. The main aspects covered in the session were Software installation, Software demonstration, Equipment demonstration, Trial and experimentation on equipment, etc. The session was attended by 8 staff members of Mechanical Engg. Dept.



*(Mr. Gore demonstrating the programming and execution of PLC kit)*

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- ✚ Mechanical Engineering Department in association with Training and Placement Cell organized an Industry Expert Seminar for the Third year Mechanical Engineering students on **18/04/2019**. The seminar topic was **“Roadmap for career opportunities in Design Engineering domain”**.



*(Mr. Prashant Bellad delivering the session)*



*(Mr. Rakesh Patil delivering the session)*

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*(Mr. Uday Gondhalekar delivering the session)*

The resource person for the seminar were **Mr. Prashant Bellad, Mr. Rakesh Patil and Mr. Uday Gondhalekar** from A3L Ed Tech, Pune. Total 60 students of TE Mechanical Engineering attended the seminar. The Seminar was coordinated by **Prof. R.V. Dandage (T&P Coordinator)**

✚ Department of Mechanical Engineering had organized a workshop on “**Creo Parametric 4.0**” From **25/05/19 to 28/05/2019**. Resource Person for the session was **Mr. Rakesh Patil**, Design and Training Engineer at **A3L Ed Tech Pune**.

The main aspects covered in the workshop were-

- ❖ Software demonstration
- ❖ Introduction to Surfacing with various commands
- ❖ Practicing various case studies related to surface modeling
- ❖ Introduction to sheet metal
- ❖ Studying various commands related to sheet metal
- ❖ Practicing commands for effective use
- ❖ Working on various case studies such as drawing and development of sheet by sheet metal tools

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- ❖ Preparation for Tool Test at Different Design Industries and Hands on Practice on different software tools.

The workshop was attended by 8 students of Mechanical Engg. Dept. **Dr. S. N. Waghmare** and **Mr. A. R. Suware** Coordinated the workshop.



*(Resource Person mr. Rakesh Patil A3L Ed Tech Pune)*

- ✚ Under **Institute Social Responsibility (ISR)** to share the technical expertise of RMCET to nearby institutes; Following faculty members of Mechanical Engineering department visited the nearby polytechnic institutes and delivered expert lectures on various topics.

**Dr. S. N. Waghmare** delivered expert lecture on “**Basics of Machine Design**” At **Sahyadri Polytechnic Sawarde** on **22/01/2019** for TY Mechanical and TY Automobile students. Total 95 students were present for the expert lecture.

**Prof. A.S.Raut** delivered expert lecture on “**Gear Drives**” at **Government Polytechnic, Ratnagiri** on **15/02/2019** for SY Mechanical Engineering students. Total 56 students were present for the expert lecture.

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**Prof. R.V. Dandage** delivered expert lecture on “**Fundamentals of Mechatronics**” and “**Introduction to Industry 4.0**” at **Government Polytechnic, Ratnagiri** on **15/02/2019** for SY Mechanical Engineering students. Total 56 students were present for the expert lecture.



*(Dr. S.N. Waghmare delivering the expert lecture at Sahyadri Polytechnic, Sawarde)*



*(Prof. A.S. Raut delivering the expert lecture at Government Polytechnic, Ratnagiri)*

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*(Prof. R.V. Dandage delivering the expert lecture at Governement Polytechnic, Ratnagiri)*

### Industrial/ Field Visits

✚ As a part of subject Refrigeration and Air Conditioning, Industrial visit was conducted at **Aboobaker ICE and Cold Storage, Ratnagiri** on 16/03/2019. 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 VCERS plant and Working. Student practically observed working of VCERS (Compressor, Condenser, Evaporator and Expander), Compressor, Thermal Pools, Cooling Towers, Piping and Transfer Ducts. Total 58 Students along with **Prof. Suware A. R.** visited the plant in two batches.

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✚ Industrial visit of BE Mechanical students was conducted at **Bafna motors (Dealers of TATA Motors Ltd.)** and **Divisional ST Workshop** on **9th march 2018**.



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24 students attended the industrial visit and Prof. Swanand Joshi coordinated this visit. At bafna motors, Students were guided by their maintenance department. They explained various systems of automobile and how to check that for a good performance. Students saw various cars in showroom and also charging and starting systems of automobile in detail.

In the divisional ST workshop, they explained brake, clutch, suspension, transmission and steering department. There are number of automobile accessories and they explain application of each. Other than syllabus points, they explained engine and injection system to students. So, students experienced actual work of automobile maintenance and other systems

- ✚ As a part of subject Renewable Energy Sources, Industrial visit was conducted at **Biogas Electrical Power Generation Plant, Wai (Satara)** on 30/03/2019. During Plant Visit Students understood the working of Biogas Fuelled Engine with a capacity of 10 Horse power. Total 21 Students along with **Prof. Dongare V.K. and Mr. Nilesh Bhuwad** visited the plant.

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**Alumni Meeting**



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- ✚ RMCTET organized **Alumni Meet** at **Pune** on **17/02/2019**. Total 09 students from Mechanical Engineering Department attended the meet. During meet the students of MH08 delivered the presentation. The alumni appreciated the efforts of students and offer all possible help from them.
- ✚ Department of Mechanical Engineering organized **Alumni Meet** of Final Year Students passed out in the year 2017-18 on **23rd February 2019** at 1.00pm. The meeting was scheduled in Seminar Hall (Main Building). Total no. of alumni present for the meeting was 54.  
The alumni meeting was headed by HOD **Dr. Waghmare S.N.** along with other teaching staff members. This meeting was co-ordinated by **Mr. Dongare V.K.**



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**Research Paper Presented / Published by Faculty and Students**

- ✚ **Dandage Rahul, Dr. S.S. Mantha, Dr. S. B. Rane, “Strategy development using TOWS matrix for international project risk management based on prioritization of risk categories”, International Journal of Managing Projects in Business (IJMPB- Emerald Group Publication), ISSN-1753-8386, <https://doi.org/10.1108/IJMPB-07-2018-0128>**
- ✚ **Gorivale, Dr. Waghmare S.N. Gorade, Naik, Patil (2019) “Self-Propelled Spraying Machine: A Proposed Model” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.31-34.**
- ✚ **Bhatawdekar S.G, Ingale S.M. , Dandage R.V. (2019) “Reconfigurable Manufacturing Systems (RMS): A literature review” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.35-39.**
- ✚ **Phansopkar, Dr. Waghmare S.N. Gupta, Ughade, Bavdhane (2019) “Remote Controlled Agricultural Robot with Sowing Seed Mechanism: A Proposed System” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.40-43**
- ✚ **Burshe, Jayade, Karkare, Kedari & Prof. Prabhavalkar M.S. (2019) “Design of solar powered water distillation plant” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.44-48.**
- ✚ **Jadhav, Turalkar, Helekar, Gole & Prof. Jagushte G.S. (2019) “Design and fabrication of hydraulically operated compression moulding machine for fiber reinforced polymer composites” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.49-53.**
- ✚ **Varne, Desai, Dhotre, Mane & Prof. Jagushte G.S. (2019) “Design and fabrication of 360° flexible drilling machine” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.54-58.**
- ✚ **Madge, Nagvekar, Ukarde, Walkar & Prof. Javir A.V. (2019) “Design and experimentation of Hexacopter” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.59-63.**
- ✚ **Naik, Pawar, Mondkar, Pawar & Prof. Kshirsagar P.R. (2019) “Finite Element Analysis of self healing composite polymer structures for fracture toughness” International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.64-68.**

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- ✚ **Adbal, Mandavkar, Mangale, Sahu & Prof. Khandekar S.B. (2019) “Condition monitoring of bearing using acoustic emission technique: Review”** International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.69-73.
- ✚ **Shelar, Shinde, Narote, Shinde & Prof. Khandekar S.B. (2019) “Analytical study and implementation of Supply chain management”** International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.74-78
- ✚ **Sankhe, Kuwar & Prof. Suware A.R. (2019) “Design and fabrication of single speed double reduction gear box of Baja vehicle”** International Journal for Research in Engineering Application and Management (IJREAM), ISSN : 2454-9150 Special Issue - CTRD – 2018,pp.79-83.

### Faculty Development Programmes/ Seminars/Workshops Attended

- ✚ **Prof. Jagushte G.S. and Prof. Prabhavalkar M.S.** attended One week workshop on “**Advance Mechatronics**” at RMCCET, Ambav during 28/03/2019 to 02/04/2019. The workshop was conducted by Prolific Systems and Technologies Pvt. Ltd. Pune.
- ✚ **Prof. Prabhavalkar** successfully completed NPTEL-AICTE faculty development program on “**Theory and practice of Non Destructive Testing**” during January-March 2019 through NPTEL-Swayam online certification course.

### Staff Achievements

- ✚ **Prof. Rahul V. Dandage** successfully completed his **Ph.D.** in Mechanical Engineering from Sardar Patel College of Engineering, Mumbai under University of Mumbai on 28/05/2019. His title of research was “**Modelling risks in international projects**” under the guidance of Dr. S.S. Mantha (Ex-Chairman, AICTE, New Delhi).





*(Principal Dr. M.M. Bhagwat felicitating Dr. R.V. Dandage for successful completion of Ph.D.)*

✚ **Prof. Rahul Dandage** was awarded with the **Best Research Paper Award** for Year **2018** by Hon. Chairman Ravindraji Mane during the Prize Distribution ceremony of Annual Sports and Cultural festival AAROHAN 2K19 on **23/02/2019**.




*(Prof. R.V. Dandage receiving the Best Research paper Award for Year 2018)*

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The award was given for the research paper: “**Ranking the risk categories in international projects using TOPSIS Method**” published in International Journal of Managing Projects in Business (IJMPB- Emerald Publication), ISSN- 1753-8386, Vol. 11 Issue: 2 (April-June 2018), pp.317-331.


- **Prof. R.V. Dandage** completed AICTE approved eight weeks NPTEL online course on “**Automatic Control**” in **Elite+Silver** category during January 2019 to March 2019.



**Elite**

## NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

### RAHUL VISHWANATH DANDAGE


for successfully completing the course

### Automatic Control

with a consolidated score of **75** %


|                    |          |                |         |
|--------------------|----------|----------------|---------|
| Online Assignments | 22.04/25 | Proctored Exam | 52.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: **314**




**Prof. B. K. Gandhi**  
Coordinator, Continuing Education Centre  
NPTEL Coordinator, IIT Roorkee

**Jan-Mar 2019**  
(8 week course)



Indian Institute of Technology Roorkee



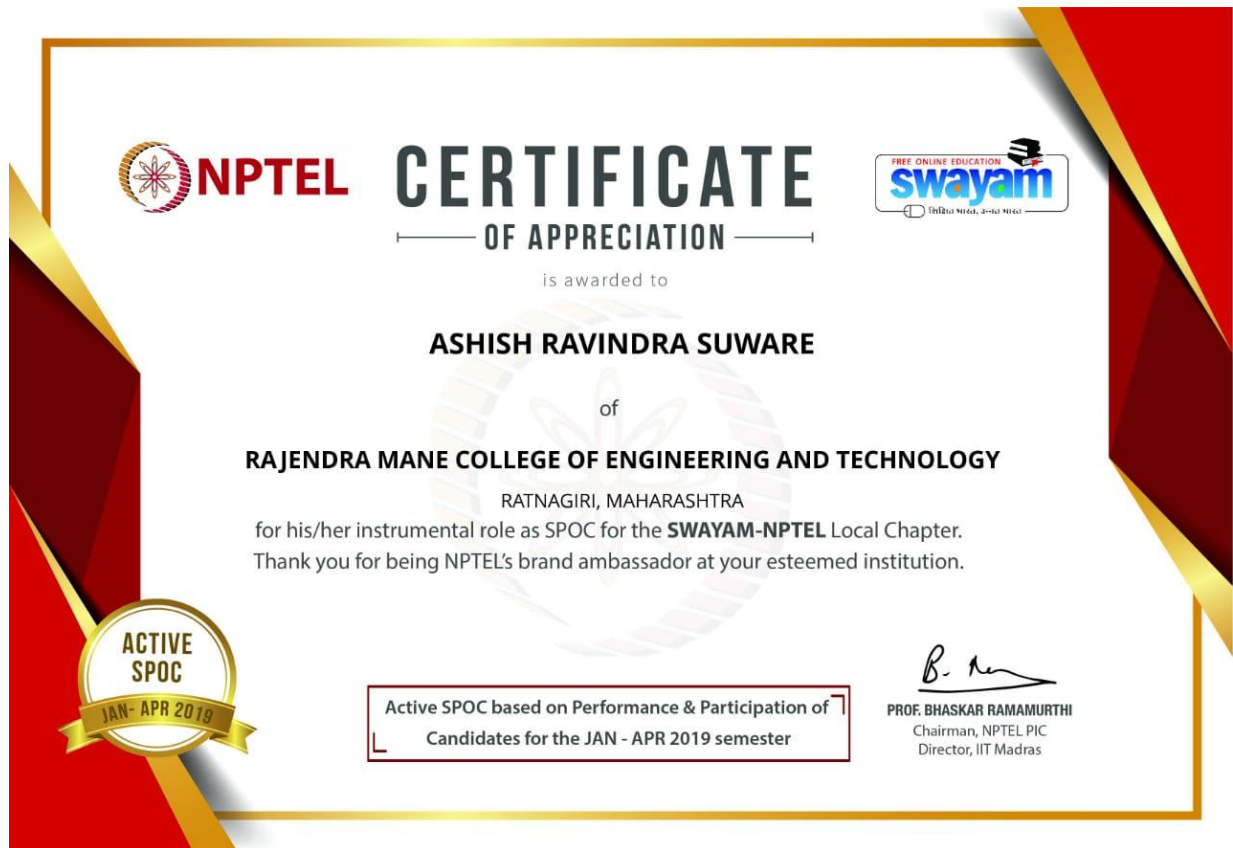
Roll No: NPTEL19ME05S11770010

To validate and check scores: <http://nptel.ac.in/noc>

**Prof. R.V. Dandage** delivered a seminar on “**Overview of various ranking frameworks**” to all faculty members of RMCET on **07/01/2019** during the Term Commencement meeting. The various ranking frameworks like NIRF, AICTE-CII, India Today-MDRA, Digital Learning etc were discussed and an awareness was created among the faculty members regarding the parameters of evaluation, present status and areas of improvement. The seminar was organised by IQAC of RMCET.

- **Prof. Ashish Suware** received certificate of appreciation from NPTEL for being the **Active SPOC** for NPTEL-Swayam local chapter at RMCET for the period January-April 2019.

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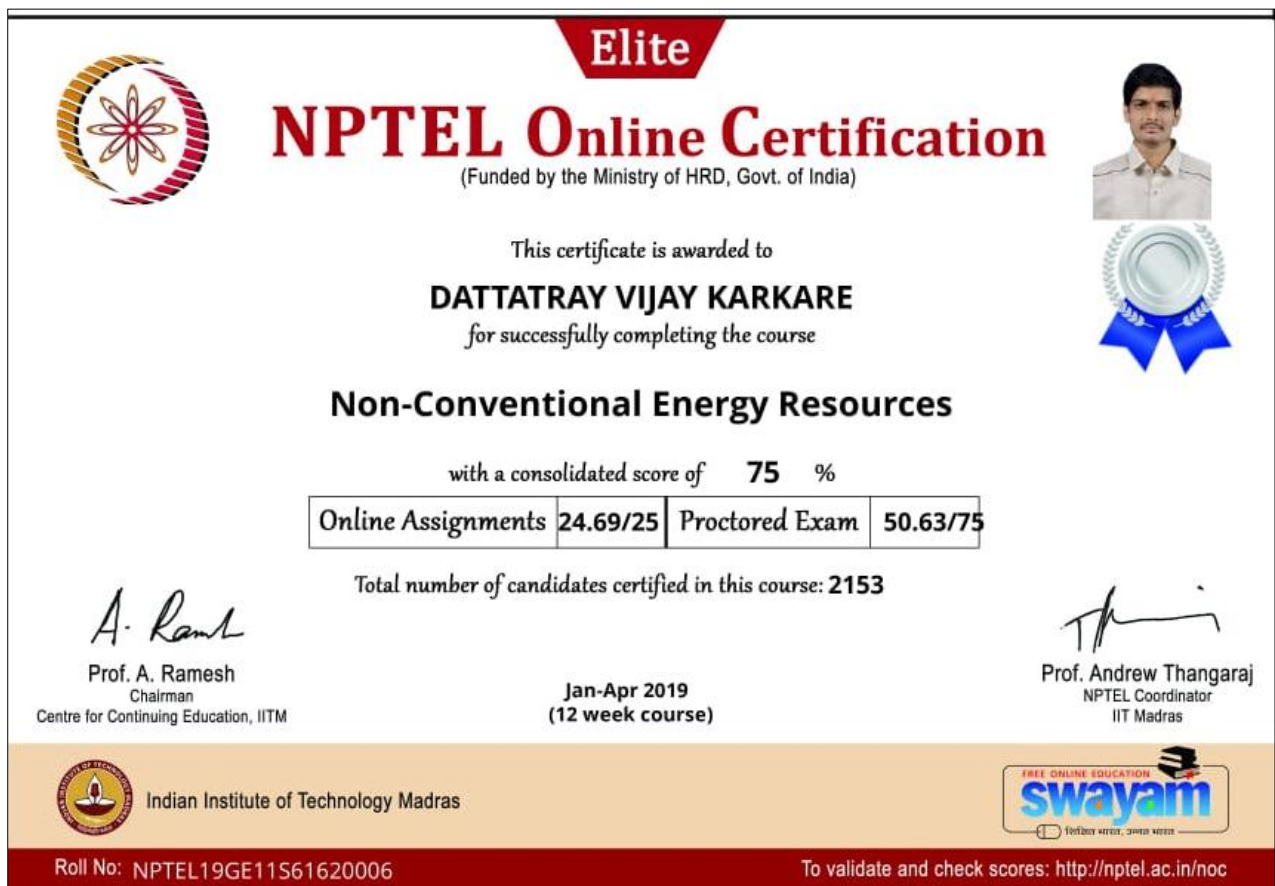


## Students Achievements

- ✚ **Omkar Kulkarni** (TE Mechanical Engineering student) won the title of **Runner up** (Silver Medal) for **Mr. University competition** at University of Mumbai. He is the first student from Engineering faculty to achieve this success. He was guided by Cultural incharge Prof. G.S. Jagushte for the preparation of this competition.
- ✚ **Adbal Swapnil, Bavdhane Dinesh, Bharati Divesh, Desai Akshay, Gole Ashutosh, Gupta Ratnesh, Mane Siddhant, Nade Prashant, Narote Manoj, Pawaskar Rahul, Pawar Roshan, Shinde Rohit** (12 students) selected in Elite Research and investment advisory services, Indore through campus recruitment.
- ✚ **Ghatge Dhiraj, Kokate Suyog and Mapari Tausif** (03 students) selected in Future Mining Tools Pvt. Ltd. Ahmednagar through off campus recruitment.
- ✚ **Kokate Suyog, Shinde Aniket, Shelar Ashutosh and Pawaskar Rahul** (04 students) selected in Trutek systems Pvt. Ltd. Pune through off-campus recruitment.
- ✚ **Gole Ashutosh, Gupta Ratnesh, Karkare Dattatray, Kotawdekar Paresh, Patil Shubham, Pawar Roshan, Phansopkar Almufid** (07 students) selected in Fablab Engineering India Pvt. Ltd. Thane through campus recruitment.

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- ✚ **Gupta Ratnesh and Lele Tejas** (02 students) selected in Eleation Engineering Services, Pune through campus recruitment.
- ✚ **Kadam Karishma, Wasta Nihal and Naik Amol** (03 students) selected in Big Zero Technology, Pune through off-campus recruitment.
- ✚ **Fatji Ninad** selected in CADBro services, Pune through campus recruitment.
- ✚ **Pawar Mandar** selected in Mahalaxmee Castings Pvt. Ltd. Pune through campus recruitment.
- ✚ **Patil Ajinkya** selected in Metalex Cryogenics Pvt. Ltd. Pune through off-campus recruitment.
- ✚ **Shinde Rohit** selected in Heimatec India Pvt. Ltd. Pune through off-campus recruitment.
- ✚ **Lele Tejas** selected in Adler Mediequip Pvt. Ltd. Sadavli plant through off-campus recruitment.
- ✚ **Mr.Dattatray Karkare** completed successfully 12 weeks NPTEL online certification on **Non Conventional Energy Resources** in **Elite+Silver** category during January-April 2019.



The certificate is titled "Elite NPTEL Online Certification" and is awarded to Dattatray Vijay Karkare for successfully completing the course "Non-Conventional Energy Resources" with a consolidated score of 75%. The score is broken down into Online Assignments (24.69/25) and Proctored Exam (50.63/75). The certificate is signed by Prof. A. Ramesh, Chairman of the Centre for Continuing Education, IITM, and Prof. Andrew Thangaraj, NPTEL Coordinator at IIT Madras. It is dated Jan-Apr 2019 for a 12-week course. The certificate is issued by the Indian Institute of Technology Madras under the Swayam program. The roll number is NPTEL19GE11S61620006. To validate and check scores, the URL <http://npTEL.ac.in/noc> is provided.

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.69/25 | Proctored Exam | 50.63/75 |
|--------------------|----------|----------------|----------|

- ✚ **Shreyas Dongare, Suyog Anerao, Riddesh Ghag & Aditya Jadhav** prepared “SCALE MODEL OF RMCET” under the concept BEST OUT OF WASTE and their work being selected among the **top 100 Record Holders for the year 2019 in India Book of Records**. They were felicitated with the award at Sant Hirdaram Medical College, Bhopal on 15 March 2019.
- ✚ **Shreyas Dongare** prepared the **largest cardboard DSLR camera model** measuring 24 inch × 24 inch and height 18 inch using cardboard, glue, tape and some waste material in 3 days on March 19,

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2019 and a record titled '**LARGEST CARDBOARD DSLR CAMERA MODEL**' under **India book of Records 2020**.



*(Receiving the certificate for being among the Top 100 record holders of year 2019)*



*(Shreyas Dongare with his certificate and the largest cardboard DSLR camera Model)*

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## Departmental Achievements

- The department of Mechanical Engineering was awarded with the “**Best Newsletter Award**” for their departmental newsletter “**MECHANNEWS**” for Year 2018. The award was received by Prof. R.V. Dandage (Editor, Mechanews) and Dr. S.N.Waghmare (HOD and Publisher, Mechanews) at the hands of Hon. Chairman Ravindraji Mane during the Prize Distribution ceremony of Annual Sports and Cultural festival AAROHAN 2K19 on **23/02/2019**.



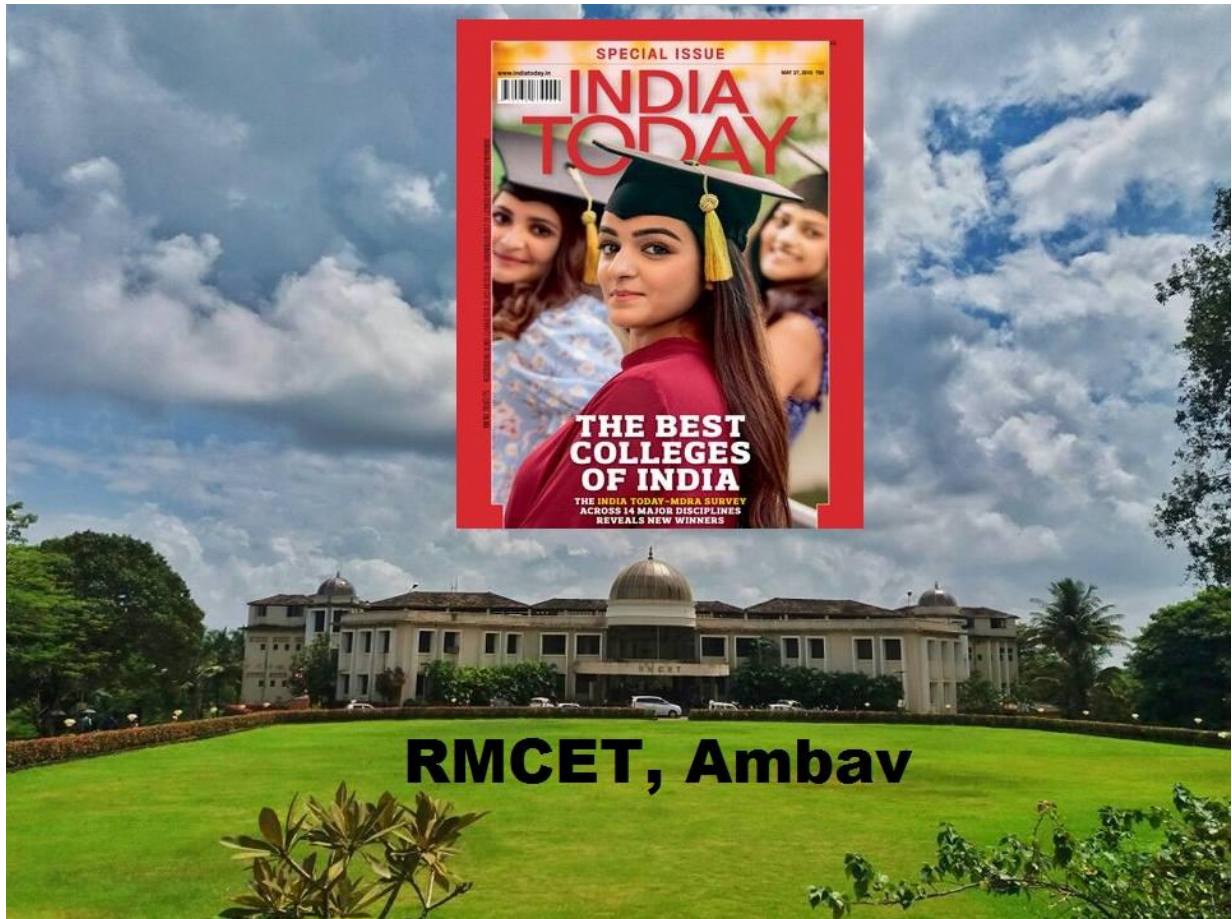
*(Prof. Dandage and Dr. Waghmare receiving the Best Newsletter Award for year 2018)*

- Prof. Swanand Joshi** joined Mechanical Engineering department as Assistant Professor on 01/01/2019. He has completed his **BE (Mech.Engg.)** from RMCET in 2015 and **M.E. (Heat Power Engineering)** from Rajarshi Shahu College of Engineering, Pune in **2018**. His joining has strengthened the Thermal Engineering specialisation in department.

## Institutional Achievements

- RMCET has been ranked in the list of Top 200 Private Engineering Colleges in India consecutively second time in the India Today-MDRA survey 2018 as well as 2019. The results of 2019 survey were published in the 28<sup>th</sup> May issue of India Times magazine.

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### Forthcoming Events in EVEN SEM 2018-19

- ✚ **Team MH08** representing **India** in Formula Student UK competition at **Silverstone Circuit, UK** during 17-22 July 2019.
- ✚ **Soft Skill Training program** for TE and BE students.
- ✚ A Seminar on “**Ventilation Engineering**” in the second week of July for SE & TE.
- ✚ Seminar on “**Entrepreneurship & Students Counseling**” in the second week of July for SE & TE.
- ✚ A Seminar on “**Importance of Internships**” in the Third week of July for SE & TE.
- ✚ A Seminar on “**Industrial Automation & Mechatronics**” in the Second week of August for TE.
- ✚ Seminar on “**Carrier Opportunities in CAD**” in the Second week of August for BE.
- ✚ **Entry level test** in the Last week of August for SE.
- ✚ **SE Induction & MESA inauguration** in the second week of September.
- ✚ **Gate Forum Expert Seminar** in the second week of September for BE.
- ✚ A Seminar on “**Industrial Pumps & Compressors**” during last week of September for BE.
- ✚ **Industrial Visit** of subjects **PP-I & MT** during last week of September for SE.
- ✚ **Industrial Visit** to **CNC MACHINE SHOP** during first week of September for BE.

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