

DEPARTMENT OF FIRST YEAR ENGINEERING

NEWS LETTER



Ramanujan 2023-24 SEM I & II



Estd. 2006

Jagdamba Education Society's
S. N. D. College of Engineering & Research Center, Yeola

Approved by AICTE & Govt. of Maharashtra | Affiliated to SPPU Pune

Accredited by NAAC, ISO 9001:2005 Certified

DTE CODE:5124





Institute Vision

To create multifaceted engineers ready to serve the nation and the world.

Institute Mission

M1: To Transform lifestyle of rural learners through technical knowledge.

M2: To develop innovative technologies with social responsibility.

M3: To build a future of technologies enhancement for global competence.

Institute Quality Policy

The Institution tries to excel in imparting quality professional education that is inculcated with moral, ethical and spiritual values to engineering and management students to make them globally competent.

First Year Department Vision

“Strengthening Engineering Practices through applied sciences principles”

First Year Department Mission

“Build a strong foundation and inculcate core knowledge of basic sciences and mathematics in various disciplines of engineering.

Strengthening student’s skill and talents to develop scientific attitude.

Strengthen the foundation of engineering education through core knowledge of basic sciences and mathematics.”

Program Specific Outcomes (PSOs)

PSO-01: Understand, plan, analyse, design and execution of buildings and infrastructures such as residential, public, industrial and irrigation structures, transportation facilities, powerhouses respectively.

PSO-02: Make use of management tools, optimization and leadership techniques to complete the civil engineering projects within stipulated time and funds.

PSO-03: Contribute to the society for sustainable development through environmental awareness and upholding professional ethics.



DR.NIKAM V.R.
HOD, Assistant Professor
Email:-appliedscienc@sndcoe.ac.in

FROM THE DESK OF HOD

Dear Students,

First Year Engineering plays a key role in development of the students to be a prospective engineer. The department nurtures and molds the students to enter in the rapid fast changing pragmatic world yet maintaining the sensitivity in them. The teaching-learning methodology used by staff boosts the students thinking potential and lifts their critical analyzing skills.

As most of the students come from the diversified social environment it becomes a need for the department that they are mentored by the staff with whom they can share their thoughts, expectations, express themselves and would feel comfortable away from home. For overall development of students we use feedback system of each stake holders which includes tutor meetings in every week, informing the progress of students to parents and corrective actions for aspects where improvement is required. We have total 12 faculties in applied sciences apart of support from department faculty. Hence, our self-motivated staff wholly dedicated to the first year department, do their best and try to make the subjects simple and interesting. Apart from curriculum, extra curriculum activities are arranged regularly like debate, Brain-storming, expert lecture, field visit etc. to create multifaceted talent in students. In concluding we assure a healthy environment to develop technical skills among students.

About Department

- ❖ Highly Qualified & Research Oriented Faculty
- ❖ Industry oriented learning through Technology Groups
- ❖ Excellent infrastructure & computing facilities
- ❖ Well defined student mentoring process
- ❖ Excellent academic results
- ❖ Focus on programming hands-on
- ❖ Motivation for Self learning initiatives
- ❖ Monthly coverage of student articles & department activities through 'Ramanujan'
- ❖ Well defined teaching-learning process with use of technology based teaching methodologies
- ❖ Induction Program
- ❖ Enough opportunities for all round development of students through engineering activities under student chapters (F.E.S.A.) First year Engineering Student's Association.

Qualitative Staff of the Department

| Sr. No. | Name of Staff | Qualification | Designation | Specialization | Experience |
|---------|-----------------------|---------------------------|------------------------|-------------------------|------------|
| 1. | Dr. V.R. Nikam | M.Sc., Ph.D. | H.O.D | Mathematics | 17 Years |
| 2 | Dr. K. L. Vairal | M.Sc., SET, Ph.D. | Associate Professor | Mathematics | 22 Years |
| 3 | Prof. C. G. Jamdhade | B.Sc., M.Sc. NET JRF | Assistant Professor | Chemistry | 13 Years |
| 4 | Prof. G.R. More | B.Sc., M.Sc. | Assistant Professor | Mathematics | 06 Years |
| 5 | Prof. N. R. Kharat | B.Sc., M.Tech, B.Ed. | Assistant Professor | Mathematics | 12 Years |
| 6 | Prof. S. B. Bhate | B.Sc., SET, M.Sc. | Assistant Professor | Mathematics | 01 Years |
| 7 | Prof. R. A. Jadhav | BE, ME | Assistant Professor | Computer Engg | 01 Years |
| 8 | Prof. S. A. Dharam | ME (Design) | Assistant Professor | Mech. Engg | 10 Years |
| 9 | Prof. K. P. Gaikwad | BE, ME | Assistant Professor | E & TC Engg | 10 Years |
| 10 | Prof. S. S. Godalkar | B.Tech., ME | Assistant Professor | VLSI EMB System | 03 Years |
| 11 | Prof. P. D. Aher | B.Sc., M.Sc. | Assistant Professor | Physics | 03 Years |
| 12 | Prof. S. B. Mohim | B.Sc., M.Sc. SET, GATE | Assistant Professor | Physics | 03 Years |
| 13 | Prof. D. S. Karale | B.Sc., M.Sc. | Assistant Professor | Physics | 10 Years |
| 14 | Prof. P.A. Satalkar | B.Sc., M.Sc. | Assistant Professor | Analytical Chemistry | 01 Years |
| 15 | Prof. K. V. Gaikwad | B.Sc., M.Sc. | Assistant Professor | Organic Chemistry | 01 Years |



| | | | | | |
|-----------|----------------------|---------|---------------|------------|----------|
| 16 | Mr. Satish Algat | Diploma | Lab Assistant | Electrical | 03 Years |
| 17 | Mr. Rushikesh Jadhav | Diploma | Lab Assistant | Mechanical | 01 Years |
| 18 | Mr. Arun Shinde | SSC | Peon | | 10 Years |

Enrolled Students Count

| Sr. | Class | Students Enrolled |
|-----|------------------------|-------------------|
| 1 | CIVIL | 27 |
| 2 | COMPUTER | 68 |
| 3 | ELECTRICAL | 117 |
| 4 | INFORMATION TECHNOLOGY | 69 |
| 5 | MECHANICAL | 34 |
| 6 | ELECTRONICS & COMPUTER | 68 |
| 7 | MECHATRONICS | 56 |



Subjects Covered Under Syllabus

| Sr. No. | Subject |
|----------------|--|
| 1 | Engineering Mathematics-I |
| 2 | Engineering Mathematics-II |
| 3 | Engineering Physics / Engineering Chemistry |
| 4 | Systems in Mechanical Engineering |
| 5 | Basic Electrical Engineering / Basic Electronics Engineering |
| 6 | Programming and Problem Solving / Engineering Mechanics |
| 7 | Engineering Graphics |
| 8 | Workshop |
| 9 | Project Based Learning |
| 10 | Audit Course I (Environmental Studies-I) |
| 11 | Audit Course II (Environmental Studies-II) |
| 12 | Physical Education- Exercise and Field Activities |



Laboratories Details of Department

| Sr. No. | Name of Lab | Lab I/C | Area (Sq. m) | Lab Cost (Rs.) |
|--------------|-----------------------------------|--------------------|--------------|------------------|
| 1 | Systems in Mechanical Engineering | Prof. Dharam S.A | 70.00 | 80,450/- |
| 2 | Basic Electrical Engineering | Prof. Mule K. C. | 71.43 | 1,14,061 /- |
| 3 | Basic Electronics Engineering | Prof. Gaikwad K. P | 74.38 | 2,54,682/- |
| 4 | Chemistry | Prof. Gaikwad K. V | 98.05 | 1,61,524/- |
| 5 | Physics | Prof. Mohim S. B. | 65.87 | 1,20,430/- |
| 6 | Programming and Problem Solving | Prof. Jadhav R. A. | 154.26 | 16,79,930/- |
| Total | | | | 2,411,077 |





Activities.....

Induction Programme 2023-2024

Date: 22nd August 2023

Name of Event: “Induction 2023 for F.E. students”

Venue : FE Seminar Hall

Outcome: Induction programme for F.E. students held at SND COE and RC on 22nd August 2023. Director of JES Shri. Rupeshbhai Darade, Chief guest Hon. Mahesh Patil, Principal Dr. D.M. Yadav, First Year Engineering Department HOD Dr. V. R. Nikam along with all Head of other departments were present on dice. Attendance for the programme was 400. Students and parents were informed about the various facilities available in campus, curriculum pattern, University Examination pattern and disciplinary norms to be followed at campus.







Welcome Speech By. Dr. P.P Rokade



Student Guidance by our Director Shri. Rupeshbhou Darade



Speech by Guest Hon. Mahesh Patil



Hon. Mahesh Patil sir given speech to students about employment opportunities in different branches, importance of discipline in student's life, How to become successful person in life and importance of time management.

Student Guidance by Principal Dr. D.M. Yadav



Our Principal Dr. D.M. Yadav sir guided to students about importance of discipline in life and how to become successful Engineer in life.

Student Guidance by First Year Engineering Department HOD Dr. V. R. Nikam



Parent Speech about Induction Program







Date: 23rd August 2023

Name of Event: “Guest lecture on Digital Marketing”

Venue: FE Seminar Hall



Date: 23rd August 2023

Name of Event: “Motivational Speech by Principal Dr. D. M. Yadav”

Venue: FE Seminar Hall



Principal Dr. D. M. Yadav motivated students to become successful in life.

FE Department HOD Dr. V.R. Nikam Presentation:



Art and Hobby Day Activity





Date: 25th August 2023

Name of Event: Guest Lecture of Mr. Gopal Balasaheb Mojad

Topic: “Mentoring and Universal Human Values”

Venue: FE Seminar Hall





Date: 25th August 2023

Name of Event: **“Inspirational Video Lecture of Sandeep Maheshwari”**

Venue: FE Seminar Hall





Swachh Bharat Abhiyan

On 3/10/2023, the first year student association implemented “Swachh Bharat Abhiyan” on the occasion of Mahatma Gandhi Jayanti.



Idea Hackathon Competition & Project Exhibition.

On 31/10/2023, the Institute's Innovation Council of Institute had organized an event on "Idea Hackathon Competition Event."

In this event, our Principal Dr. D. M. Yadav addressed to students regarding importance of the event in technical institutes. Also, the speaker said that this events are useful in developing the technical skills of the students.





INDUSTRIAL VISIT

Industrial visit is carried out at auto king workshop Yeola on 28th Nov 2023 for semester Ist students. the main objective behind this visit was to make students aware about how various activity related to automobile engineering especially the maintenance and body making ,vehicle body modification are carried out in the company or workshop and give them feel of engineer as soon as they complete their course.

Total six staff and 400 students in different slots during the day according to the time slot given by the workshop owner gathered at workshop gate.

As soon as we reached the workshop we were guided by the chief manager to the various cells of the maintenance department of workshop.

Functions and duty of the department:

The activities carried out by the department are preventive and breakdown maintenance or repair of engine, gearbox, tyres, repair to the damage bodies.





Guest Lecture

Date: on 5th December 2023

Name of Event: Guest Lecture of Basic Electrical Engineering

Venue: Computer Seminar Hall

Guest Lecture of Basic Electrical Engineering for FE Students is conducted on 5th December 2023 by Dr. Swati Gade, Asst. Professor, Dean Research and Development, Sandip Institute of Engineering and Management, Nashik



Date: On 8th and 9th December 2023

Name of Event: Guest Lecture of Engineering Mechanics

Venue: Computer Seminar Hall

Guest Lecture of Engineering Mechanics for FE Students is conducted on 8th and 9th December 2023 by Dr. Vijay Shingade, Asso. Professor and HOD Civil, Trinity College of Engineering and Research, Pune.





Parents Meeting (Semester I)

Date: 1st December, 2023

Name of Event: “FE Open House Day”

Tutors discussed about the academic performance of the students during Ist semester. Areas of Improvement were suggested. Around 70 parents attended the meeting.

Outcome: Parents were made aware with the academic performance of their ward and step to be taken for improvement.

Outcome: Parents were made aware with the academic performance of their ward and step to be taken for improvement.





Parents Meeting (Semester II)

Date: 16th April, 2024

Name of Event: “FE Open House Day”

Tutors discussed about the academic performance of the students during 2nd semester. Areas of Improvement were suggested. Around 50 parents attended the meeting.

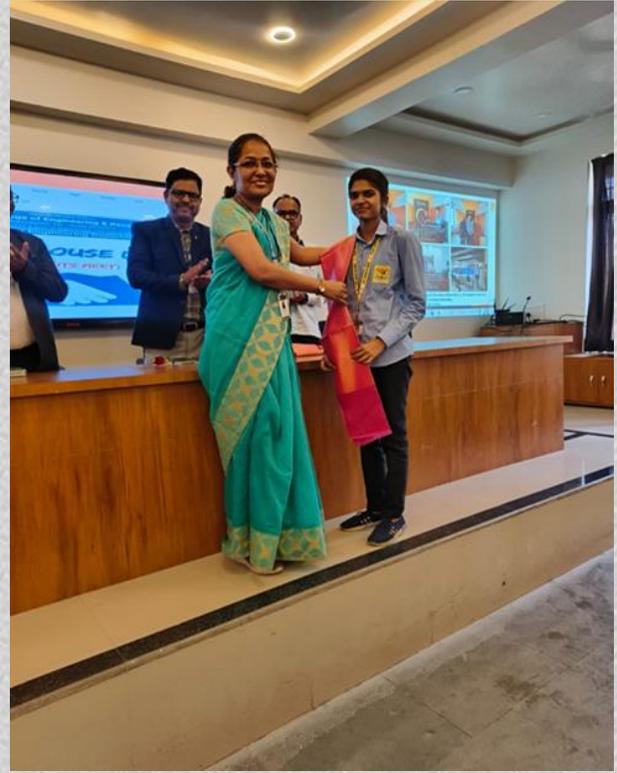
Outcome: Parents were made aware with the academic performance of their ward and step to be taken for improvement.

Outcome: Parents were made aware with the academic performance of their ward and step to be taken for improvement.

Inauguration of the program by Principal D. M. Yadav and One of the parent of first year student.



Felicitation of First Year (Semester I) Toppers and their parents



Parent's Discussion with First Year HOD Dr. V. R. Nikam



Parent's Discussion with tutors and class teachers.



Techfusion 2k24

On 04/04/2024, the Institute's Innovation Council had organized **Micro Project Competition** under First Year Engineering.



The poster for the Techfusion 2K24 Micro Project Competition features a dark background with technical imagery. At the top left is the college logo, and at the top right is the NAAC B++ accreditation logo. The main title 'TECHFUSION 2K24' is in large white letters, with 'MICRO PROJECT COMPETITION' in yellow below it. The poster lists the following details:

- Student Co-ordinator:** Miss. Shrushti, Mb- 8600556261
- Staff Co-ordinator:** Dr. V. R. Nikam, Mb. 9423937100
- Dr. D. M. Yadav**, Principal

At the bottom left is a QR code with the text 'Scan for Registration'. At the bottom right, the event details are listed: 'DATE - 4th April, 2024', 'TIME - 10 am To 4 pm', and 'VENUE - 3rd Floor, First Year Department'. The right side of the poster includes four small images showing various engineering projects and components.











First year students Mr.Dipak Jaware and Prathmesh Patil got First Prize in Microproject Competition.

On 04/04/2024, the Institute's Innovation Council had organized **Poster Presentation** under First Year Engineering.



Jagdamba Education Society's
SND COLLEGE OF ENGINEERING AND RESEARCH CENTRE, YEOLA
APPROVED BY AICTE & GOV. OF MAHARASHTRA, AFFILIATED TO
SPPU PUNE, ACCREDITED BY NAAC

**TECHFUSION
2K24**

POSTER PRESENTATION

THEME - GREEN ENERGY

DATE - 4th April, 2024
TIME - 10 am To 4 pm
VENUE - 3rd Floor, First Year Department

Student Co-ordinator
Miss. Shrushti
Mb- 8600556261

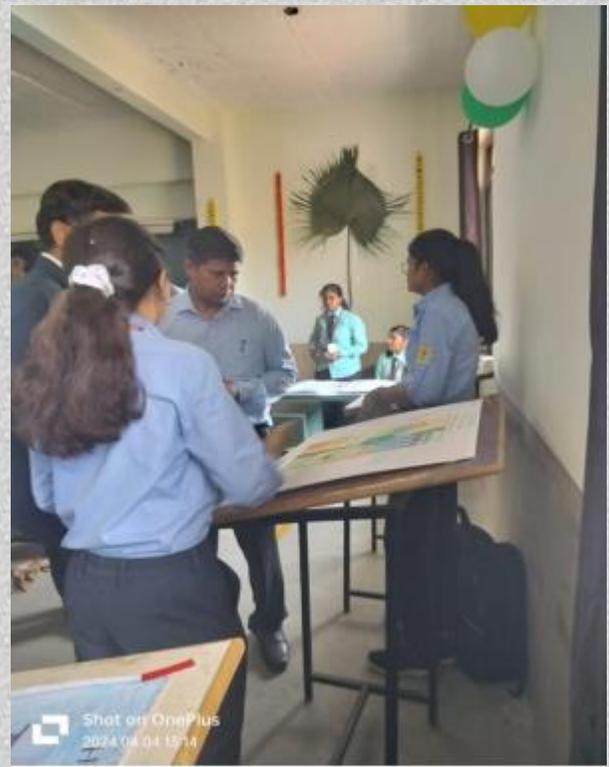
Staff Co-ordinator
Prof. P.A.Sataikar
Mb- 9322649743

Dr. V. R. Nikam
FE HOD

Dr. D. M. Yadav
Principal

Scan for Registrations







First year student Ms. Shraddha Bhosale and her group got first prize in Poster Presentation.



Students Achievements

Our FE Student Mr. Jaware Dipak got 3rd prize in Electrowiz'24 with Smart Robot Car held on 25th Jan 2024 at Velammal Engg. College, Surapet, Chennai.



Our FE Student Mr. Jaware Dipak got 2nd prize in National Level Project Competition and Exhibition held on 24th Feb 2024 at JIT, Nashik



Saturday Activities

Name of the Activity: **Treasure Hunt**

Department Name: First Year Department

Class: F Batch:F1

Name of Faculty: Prof. Rashmi A Jadhav

Activity Description: Students have to find the different clues placed on different places, perform the task given. They have to perform the task and get next clue. Reach the final destination.

Activity Outcome:

- Increase business skills by buying and selling different objects.
- Social service by serving to customers in canteen.
- Gratitude towards the community helpers- watchman.
- Encourage children to think creatively and imaginatively.
- This activity also helped students to develop good observational skills.
- Treasure hunts is a great opportunity for children to "learn by doing".





Staff Portfolio ODD/Even Semester 2023-2024

| Sr. No | Name of Staff | Departmental Portfolios |
|--------|----------------------|---|
| 1 | Dr. V. R. Nikam | Head of the Department |
| 2 | Dr. K. S. Vairal | Dept. Research Co-ordinator Dept. NAAC Criteria 3 coordinator TG |
| 3 | Prof. C. G. Jamdhade | Dept. Admission In charge Counseling In charge Dept. Discipline coordinator TG |
| 4 | Prof. G.R. More | Time Table In charge Dept. NAAC Criteria 5 coordinator TG |
| 5 | Prof. N. R. Kharat | Dept. Exam Coordinator Dept. NAAC Criteria 2 coordinator TG |
| 6 | Prof. S. A. Dharam | AMC Dept. NAAC Criteria 7 coordinator Lab I/C: SME Lab TG |
| 7 | Prof. K. P. Gaikwad | Dept. NAAC Criteria 1 coordinator Dept. MOM coordinator Dept. workshop & other activities coordinator Lab I/C: BXE Class I/C: FE Division G TG |
| 8 | Prof. S. S. Godalkar | Dept. NAAC Criteria 4 coordinator Dept. Website coordinator Class I/C: FE Division C Dept. Cultural coordinator TG |
| 9 | Prof. R.A. Jadhav | Dept. skill development events coordinator Dept. Cultural coordinator Class I/C: FE Division F Lab I/C: PPS TG |
| 11 | Prof. D. S. Karale | Dept. NAAC Criteria 6 coordinator Dept. Sports coordinator Dept. ERP coordinator Dept. Earn and Learn coordinator Class I/C: FE Division E TG |
| 12 | Prof. S. B. Mohim | Dept. TG Coordinator Lab I/C: Physics Lab |



| | | |
|-----------|------------------------------|--|
| | | Class I/C: FE Division A Dept. TPC TG |
| 13 | Prof. P. A. Sataalkar | Class I/C: FE Division D Dept. Library Incharge TG |
| 14 | Prof. K. V. Gaikwad | Dept. Feedback coordinator Class I/C: FE Division B Lab I/C: Chemistry TG |
| 16 | Prof. S. B. Bhate | TG |



Students Association

2023-24

| Sr. No | Member | Designation |
|--------|--------------------------|-------------|
| 1 | AHIRE GAURAV DADAJI | Chairman |
| 2 | WABALE SHRUSHTI RAJENDRA | Secretary |
| 3 | BHOSALE SHRADDHA KESHAV | Member |
| 4 | PAWAR ROHAN SOPAN | Member |
| 5 | WAGH PRITI VIKAS | Member |
| 6 | JADHAV KAVERÍ ARUN | Member |
| 7 | MAGAR GAUBAV HARIBSAS | Member |
| 8 | BAGADE ADESH MAHENDRA | Member |
| 9 | PATIL SNEHAL PRASHANT | Member |
| 10 | SHINDE PRATHMESH SUBHASH | Member |
| 11 | THORE SIDDHI DEVIDAS | Member |
| 12 | PAWAR TANMAY DIGAMBAR | Member |
| 13 | SONAVANE PRANJAL BHAGVAN | Member |



Our Toppers

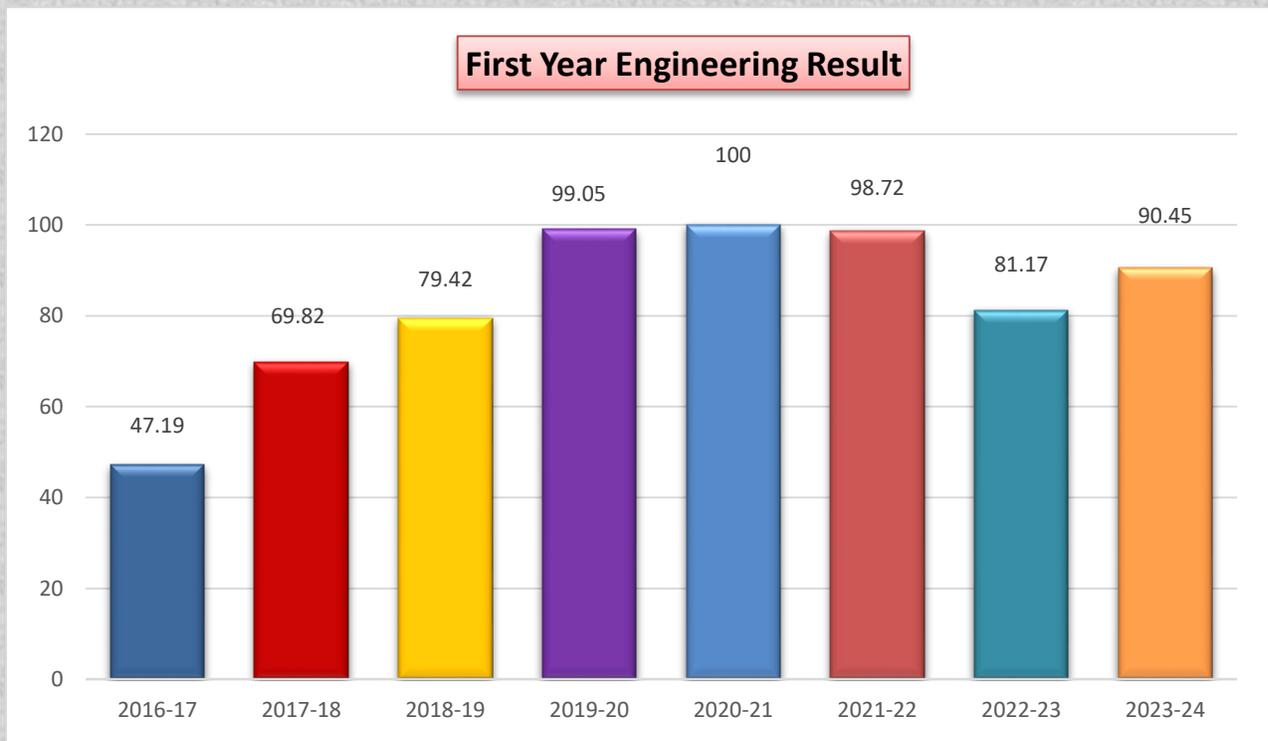
List of Toppers (2016-17 to 2023-24)

| SR | Year | Name of Student | Percentage/ CGPA |
|----|---------|-------------------------------|---------------------|
| 1 | 2016-17 | Madhavai Pankaj Balasaheb | 9.5 |
| 2 | 2017-18 | Pokle Apeksha Sunil | 9.1 |
| 3 | 2018-19 | Wakchaure Pratiksha Babasaheb | 9.16 |
| 4 | 2019-20 | Ahire Priyanka Ashok | 8.91 |
| 5 | 2020-21 | Khan Tabassum Aqeel | 9.55 |
| | | Kudal Rupali Dattu | |
| 6 | 2021-22 | Bilware Aditya Rajendra | 9.34 |
| 7 | 2022-23 | Jejurkar Prachi Rajendra | 9.41 |
| 8 | 2023-24 | Jadhav Kaveri Arun | 9.73 |





First Year Engineering Result





Planning of Next Semester (2024-25)

Following are the objectives planned for 2024-25 SEM – 1

- Induction Program
- Industrial Visit
- Effective Teaching Learning
- Workshops
- NPTL Registrations and Certifications
- Guest Lectures
- Value Added Courses