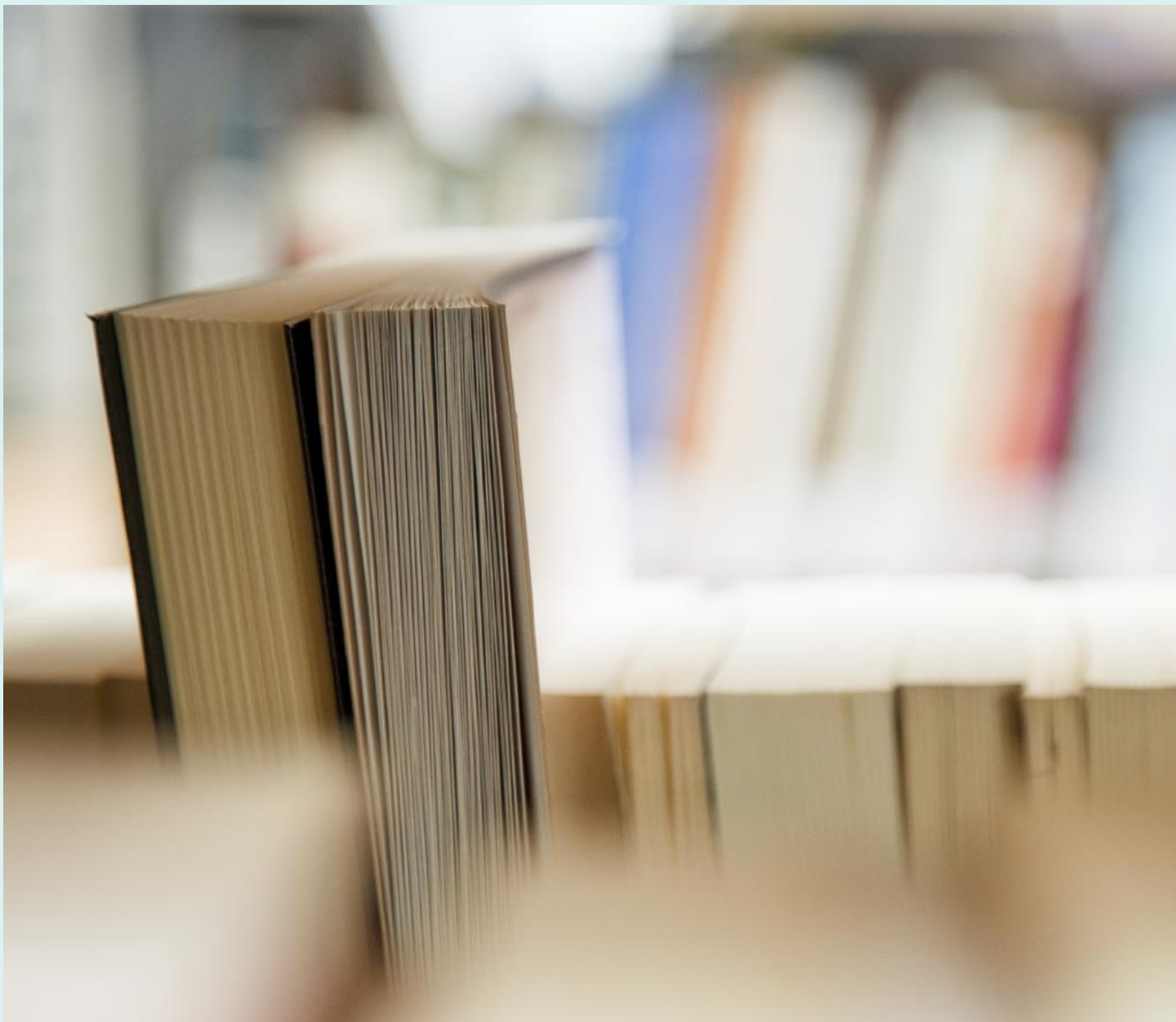




NEWSLETTER

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES

Session 2025-26

From HOD's Desk



The department is committed to impart quality education to the platform for engineering education. The department has core laboratories under its jurisdiction with global standards to cater to the demand of the contemporary technical education. Spacious and well illuminated classrooms are designed with aesthetic and functional aspects. The Department is equipped with full-fledged, experienced, and highly academic oriented faculty. The subject taught by department are of leading significance for strengthening the fundamental and development of budding engineers to make them well equipped for the present and future scenario. As a result of its continuous, sincere and result oriented efforts as a team, the department has been witnessing excellent results consistently over the years. Staff members often undergo various faculty development program, participate in various seminars, NPTEL courses,

workshops for upgrading their level of knowledge. The department has been taking every opportunity to reach higher levels of teaching excellence and is assisting the students to excel in their studies.

The first-year curriculum makes students well versed and conversant with basics of engineering profession. Overall, the department has tried its best to maintain the quality and discipline among the students.

Dr. N. V. Shirbhate

Vision

To impart quality professional education for creating reputed technocrats and entrepreneurs to meet industry standards and requirements.

Mission

To create quality education towards professional excellence.

To imbibe advanced knowledge in applied areas of engineering and technology.

To remain updated with contemporary technology and develop managerial skills.

To technical expertise along with professional ethics as per societal needs.

PO's

1) Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2) Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

3) Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4) Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5) Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6) The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7) Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

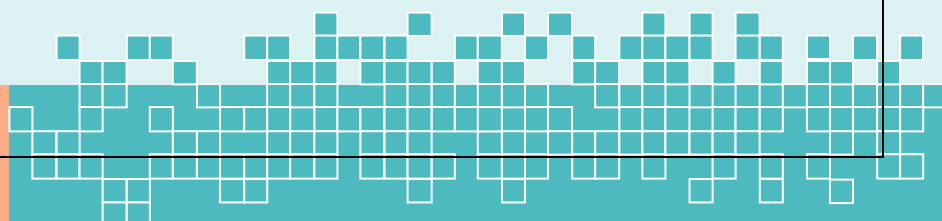
8) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9) Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings.

10) Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11) Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.

12) Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Pride of Department



Toppers

ESE Winter 2025

Sr.No.	Section	Name of the student	SGPA	Sem
1	CSE A	Arti Vinodrao Chandekar	9.59	Sem I
2	CSE B	Saukhyada Nitin Tasare	9.64	Sem II
3	CSE C	Divyani Rajendra Dudhe	9.82	Sem II
4	IT A	Gunjan Vinod Amgaonkar	9.5	Sem I
5	IT B	Samiksha Sunil Kadu	9.73	Sem II
6	ET A	Shruti Umesh Deulkar	9.64	Sem I
7	ET B	Chaitanya Atul Thombare	9.73	Sem II
8	CE A	Khushi Krushnakant Shriwas	9.35	Sem I
9	ME A	Aditya Mahesh Surve	9.77	Sem I
10	AD A	Sonali Pandit Pohankar	9.82	Sem II



Toppers

ESE Summer 2026

Sr.No.	Section	Name of the student	SGPA	Sem
1	CSE A	Vaishnavi Gopal Raut	9.77	II
2	CSE B	Saukhyada Nitin Tasare	9.68	I
3	CSE C	Shranavi Chandrashekhar Bodhe	9.86	I
4	IT A	Gunjan Vinod Amgaonkar	9.64	II
5	IT B	Shamika Deepak Kulkarni	9.86	I
6	ET A	Nidhi Dipak Tayde	9.73	II
7	ET B	Anushka Narendra Bhatkar	9.73	I
8	CE A	Khushi Krushnakant Shriwas	9.59	II
9	ME A	Yashwant Shailesh Kale	9.64	II
10	AD A	Gaurav Vijay Prajapati	9.82	I

Staff's Achievement



Dr. N. V. Shirbhate



Dr. P. S. Deshpande



Dr. S. B. Jalamkar

“Proud recipient of Granted Design Patent on compound microscope for studying a fixed sample.”



Dr. P. S. Deshpande

“Proud recipient of Granted Design Patent on Waterbath.”



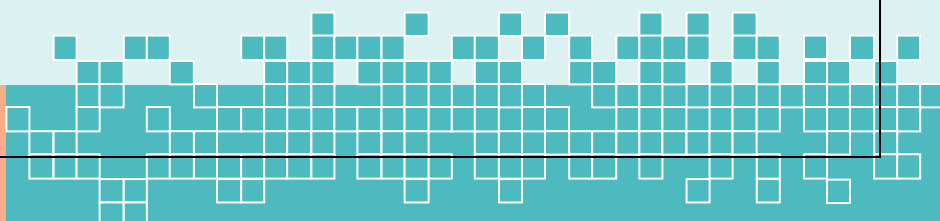
Dr. P. G. Rajas

“Proud recipient of Granted Design Patent on Atmospheric CO₂ filtered Device”



Dr. Shubhada M. Seikdar

For being awarded with Ph.D. degree at Sant Gadge Baba Amravati University, Amravati





Two students 1. Shri Abhijeet O. Dhore 2. Shri Harshal A. Nimkar have successfully completed their doctoral research under the guidance of Dr. M. R. Ugale

NPTEL Courses Successfully Completed by Staff Members:

Sr. No	Name	Total NPTEL courses completed successfully	Course Title
1	Dr. N. V. Shirbhate	06	• Solid State Physics • Fiber Optics • E-Waste Management • Fundamentals of Electronic Material and Devices • National Education policy: Professional Development Program • Accreditation and Outcome Based Learning

2	Dr. P. R. Malasane	01	• Engineering Thermodynamics
3	Prof. Mrs. A. J. Pande	08	• Ordinary and Partial Differential Equation and Applications • Transform Calculus and its Applications in Differential Equation • Integral & vector calculus • Engineering Mathematics II • Introduction to methods of applied Mathematics • Matrix Analysis with Application • Accreditation & outcome-based learning • Body Language: A key to professional Success.
4	Dr. M.R. Ugale	04	• Ordinary and Partial Differential Equation and Applications • Transform Calculus and its Applications in Differential Equation • Matrix Analysis with Application • Accreditation & outcome-based learning

5	Dr. S.V. Tambakhe	06	- Analytical Chemistry - Biochemistry - Industrial Inorganic Chemistry - National Education policy: Professional Development Programme - Co-Ordination Chemistry - Accreditation and Outcome Based Learning
6	Prof. Ms. M. R. Jadhao	05	- Analytical Chemistry - Metals in Biology - Accreditation and Outcome based Learning - Sustainable Happiness - Stress Management
7	Dr. N. D. Sahu	05	- Ordinary and Partial Differential Equation and Applications - Transform Calculus and its Applications in Differential Equation - Mathematical Methods & its application. - Multivariable Calculus - Body Language: Key to Professional Success

8	Dr. G. B. Tayade	07	• Ordinary and Partial Differential Equation and Applications • Transform Calculus and its Applications in Differential Equation • Engineering Mathematics II • Basic Calculus 1 and 2 • IKS Concept and Application in Engineering. • Accreditation & outcome-based learning • Body Language: Key to Professional Success
9	Dr. S. M. Borikar	08	• Ordinary and Partial Differential Equation and Applications • Transform Calculus and its Applications in Differential Equation • Engineering Mathematics II • NPTEL Course on Japani bhasha-saralswaroop • The Science of Happiness and wellbeing

			• Accreditation and Outcome based Learning • Sustainable Happiness • Stress Management
10	Dr. P. S. Deshpande	08	• Solid State Physics • Semiconductor Optoelectronics • Solar Photovoltaics Fundamental, Technology and Applications • Experimental Physics II • Accreditation and Outcome based Learning • Sustainable Happiness • Stress Management • Physics of Functional Materials & Devices
11	Prof. Dr. S.M. Seikdar	06	• Ordinary and Partial Differential Equation and Applications • Transform Calculus and its Applications

			in Differential Equation • Engineering Mathematics II • Accreditation and Outcome based Learning • Sustainable Happiness • Stress Management
12	Prof. Dr. S. D. Kharbade	05	• Semiconductor Optoelectronics • Solar Photovoltaics Fundamental, Technology and Applications • Introduction to LASER. • Physics of Renewal Energy System • Physics of Functional Materials & Devices
13	Prof. Dr. R. G. Kela	05	• Technical English for Engineers • Effective Writing

			• Developing Soft Skills and Personality • Enhancing Soft Skills & Personality • Soft Skill Development
14	Prof..Dr..P.G. Rajas	01	• Co-Ordination Chemistry
15	Prof..R.T. Nimbekar	02	• Introduction to Research Methodology • Geospatial practices in Ancient Indian Knowledge System
16	Prof. A. M. Gandhi	02	• Enhancing Soft Skills & Personality • Soft Skill Development
17	Prof. M.V. Dambale	01	• Business Forecasting

Student Activities

Topic: Awareness about Medication

Dates: 6 th November 2025

Venue: MBA Seminar Hall

An insightful session was organized under the theme " **Awareness about Medication** " by the **Applied Science & Humanities Department** on 06/11/2025 at MBA Seminar hall . The session aimed to create awareness among students about ADR (Adverse Drug Reaction). ADRs can be caused by a drug acting as intended but with an unwanted effect, or by an immune response (an allergy). The speaker shared information regarding the ADR report and the procedure to do it. He emphasized the inherent dangers of self-medication without professional medical supervision and insisted that it must be avoided. Lastly he advised participants to always prioritize professional consultation for personal medical advice.



Topic: Never Give Up: A Blend of the Bhagavad Gita and Modern Icons

Dates: 22nd November 2025

Venue: Class Room C-203

The speakers started the session with thought provoking questions about some famous personalities like Abraham Lincoln, Lokmanya Tilak, Dr.A.P.J.Abdul Kalam, Chhatrapati Shivaji Maharaj. Abraham Lincoln's story mirrored the Gita's teaching that true leadership requires unwavering commitment to a righteous cause despite repeated failures. The lives of Shivaji Maharaj and Lokmanya Tilak serve as powerful testaments to the Gita's teachings on *Dharma* (duty) and *Karma Yoga* (selfless action). The guest lecture effectively showed that the Bhagavad Gita is more than just a religious book; it's a practical guide for living that applies to everyone. It offers deep, open-minded wisdom that helps people find clarity, purpose, and balance in our complicated world. The ideas presented gave the students useful tools for personal improvement and for behaving ethically.



Topic: Science for a Sustainable Future: Embracing Electric Mobility this National Science Day.

Dates: 28 th February 2026

Venue: Open Space near Auditorium

National Science Day was celebrated with great enthusiasm to commemorate the discovery of the Raman Effect. This year, department of Applied Science & Humanities decided to focus on " **Science for a Sustainable Future**," highlighting the role of Electric Vehicles (EVs) in building a sustainable future. The program began with the welcome of Mr. Pradip Yadav Regional Manager, Suzuki and Mr. Bharani, Owner Nanda motors, Amravati. The inaugural address was given by the Principal Dr. S. M. Kherde sir, emphasizing the importance of sustainable technology. Technical experts explained the working principles of lithium-ion batteries, electric motors, and charging infrastructure. Students learned about electric vehicles through interactive games and enjoyed taking rides.



Topic: Guest Lecture on Gender Sensitization and POSH Awareness.

Dates: 7th March 2026

Venue: MBA Seminar Hall

The guest speaker was **Advocate Chhaya Sujit Mishra**, a distinguished legal professional specializing in family law and criminal law with many years of experience. She actively provides legal guidance on various law related to women. Madam thoroughly explained the POSH Act, highlighted that the Act aims to provide a safe, secure, and dignified working environment for women, free from harassment. The lecture covered the evolution of the law from the Vishaka Guidelines (1997) to the 2013 Act, ensuring constitutional guarantees of equality. She also explained the complaint redressal process and legal remedies for victims. Detailed examples were provided, including lewd jokes, inappropriate comments, and unwelcome physical/sexual advances, emphasizing that even subtle, daily behaviors can constitute harassment. An interactive Q&A session was held, during which participants asked relevant questions.



Parents Meet

Parents Meet conducted on 29th November 2025



Felicitation of Guest



Address by Dr. S. M. Kherde (Principal)



Address by Dr. N. V. Shirbhate (HOD)



Interaction of Parents



Anchoring (Dr.P. G. Rajas)

Induction Program Conducted from 15 th September 2025.



Felicitation of Guest (Sh. Ashish Yerekar)



President Sh. Jagdishji Gupta guided the students



Principal Dr. S.M. Kherde guided the students



Chief guest Sh. Ashish Yerekar guided the students