

NEWSLETTER

DEPARTMENT OF SCIENCE AND HUMANITIES

Session 2023-24

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 verse 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.

Student's Participation

Student's awards and achievement

Session	Name of Student	Event	Venue	Prize
2022-23	Shatayu Balapure	Boy's & Girls Junior National Atya Patya Championship	Rohtak, Haryana from 25/11/2022 to 27/11/2022	Third Position
	Ishita Ingole	25th youth national volleyball championship	Panna, Madhya Pradesh 16-12-2022 to 22-12-2022	Participation
	Ishita Ingole	Maharashtra state Boy's & Girls youth volleyball championship)	Gangapur on 27/4/2022 to 29/04/2022	Participation
	Ishita Ingole	Maharashtra state Boy's & Girls yJunior volleyball championship	Warora on 18/10/2022 to 20/10/2022	Participation
	Ms Gunjan Narule	Ignite(Pro kabaddi)	Mauli group of institution's, College of Engineering & Technology, Shegaon on 20/01/23	Participation

Pride of Department



Toppers Summer 2022

Sr. No.	Section	Group	Name of the Student	Pointer	Total
1	A	B	Ms. SIMA DATTATRAY KUTEMATE	10	534
2	B	B	Ms. ANUSHKA PRAKASH TAYADE	9.75	509
3	C	B	Ms. NIKITA SANJAYRAO GUJARKAR	9	482
4	D	B	Mr. MANDAR GAJANAN CHATUR	9.3	505
5	E	B	Ms. ADITI UMESH TIWARI	9.65	525
6	F	A	Ms. SIYA SUHAS PANDE	9.25	491
7	G	A	Mr. SHREYASH SATISHRAO DESHMUKH	9.1	484
8	H	A	Ms. ARTI PRABHAKAR KATURE	9.1	500
9	I	A	Ms. VANSHITA SUDHIR GAWANDE	9.4	510
10	J	A	Ms. TANVI GAJANAN BRAMHNAKAR	9.4	502

Toppers Winter 2022

Sr. No.	Section	Group	Name of the Student	Pointer	Total
1	A	A	SHRAVANI SHASHIKANT BALAPURE	9.81	523
2	B	A	GAURI TRAMBAKRAO MOHOD	9.31	475
3	C	A	PAYAL RAMESHWAR SUNE	9.5	504
4	D	A	NEHAL VILASRAO GUMBLE	9.38	481
5	E	A	DHANSHRI RAJU WANGAL	9.81	516
6	F	B	VIVEK DNYANESHWAR GAZALWAR	8.92	450
7	G	B	INDRAYANI BHAGWAN BHATKAR	8.4	437
8	H	B	SAMPADA SANTOSH DUMARE	8.6	436
9	I	B	PRANJALI GAJANAN GAWANDE	8.84	453
10	J	B	GAURI SUNIL BAKAL	9.88	522

Staff's Achievement



Dr. Nitin V. Shirbhate

***Selected as a Member of Faculty
at Sant Gadge Baba Amravati University Amravati***



Dr. Pravin R. Malasane

***Selected as Co-option in Board of Studies
(Humanities & Applied Sciences, General Engineering) at Sant Gadge Baba Amravati University Amravati***

NPTEL Courses Successfully Completed by Staff Members:

Sr.No.	Name	Total NPTEL courses completed successfully	Course Title
1	Dr. N. V. Shirbhate	04	Solid State Physics Semiconductor Optoelectronics Online Refresher course on Skills for New Educational Architecture ARPIT course on “Refresher course on Teacher and Teaching in higher Education”
2	Dr. P. R. Malasane	01	Engineering Thermodynamics
3	Prof. Mrs. A. J. Pande	07	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
4	Dr. M.R. Ugale	03	Ordinary and Partial Differential Equation and Applications Transform Calculus and its Applications in Differential Equation Matrix Analysis with Application
5	Dr. S.V. Tambakhe	03	Online Refresher course on Skills for New Educational Architecture Online refresher course on Chemistry for higher education faculty AICTE-ISTE approved orientation/Refresher
6	Dr. G. B. Tayade	04	Ordinary and Partial Differential Equation and Applications Transform Calculus and its Applications in Differential Equation Engineering Mathematics II Basic Calculus 1 and 2
7	Dr. N. D. Sahu	04	Ordinary and Partial Differential Equation and Applications Transform Calculus and its Applications in Differential Equation Mathematical Methods & its application. Multivariable Calculus

8	Dr. S. M. Borikar	04	Ordinary and Partial Differential Equation and Applications Transform Calculus and its Applications in Differential Equation Engineering Mathematics II NPTEL Course on Japani bhasha-saralswaroop
9	Dr. P. S. Deshpande	04	Solid State Physics Semiconductor Optoelectronics Solar Photovoltaics Fundamental, Technology and Applications Experimental Physics II ARPIT course for CAS promotion on topic "Leadership and governance in higher education level 2"
10	Prof. Ms. M. R. Jadhao	02	Analytical Chemistry Metals in Biology
11	Prof. Mrs. S.M. Seikdar	03	Ordinary and Partial Differential Equation and Applications Transform Calculus and its Applications in Differential Equation Engineering Mathematics II
12	Prof. Ms. S. D. Kharbade	03	Semiconductor Optoelectronics Solar Photovoltaics Fundamental, Technology and Applications ARPIT on topic" Pedagogical innovations and research methodology"
13	Prof. Ms. R. G. Kela	02	Technical English For Engineers Effective Writing

• Student Activities

Elocution & poster making competition on the occasion of Yuvanand 2023

Event Report:

Department of Science and Humanities, Sipna College of Engineering and Technology, Amravati, organized Elocution & poster making competition on the occasion of Yuvanand 2023.



The Elocution competition was organized on 9 January 2023 in Auditorium. The welcome address was given by Dr. S.M Kherde Sir, Principal Sipna C.O.E.T. Sir, gave more insights on the birth anniversary of Swami Vivekananda. Dr. P.R. Malasane, Dr. N.V. Shirbhate, Dr. Sudhir Deshmukh, Dr. Manish Jadhav were also present on the Dias. Ms. Avni Mirani & Ms. Shravani Balapure were anchors for this programme. Ms. Shriya Lande gave vote of thanks.



The topics for elocution competition for group A were

1. Yuvashakti
2. Atmanirbhar Bharat aur Swamiji ke vichar
3. Vishwshanti Aur Vivekananda
4. Jagtik star par Bharat ke badhate kadam



The topics for elocution competition group B were

1. Yuvashakti
2. Vivekanandji ki Amerika Yatra
3. Effectiveness of Swamiji's ideologies on current scenario
4. Modern world problems and swamiji's perceptive



36 participants from various schools and colleges have participated in this event. Judges for this competition were Dr. Sudhir Deshmukh & Dr. Manish Jadhao. Winners for this Elocution competition are as follows

Group A : Ist Prize : Ms. Munira Khan(Saint Fransis School, Badnera)

IInd Prize : Ms. Rishita Jain (Saint Fransis School, Badnera)

Group B : Ist Prize : Ms. Radha Gogal (Sipna COET, Amravati)

IInd Prize : Ms. Anuja Bansod(Institute of Farma & Research, Badnera)

Poster making competition was organized on 10 January 2023 in SSPA in Sipna campus. Almost 53 participants participated in this event.



The topics for this competition (Group A) were

1. Future of the planet
2. India's leap in space world.
3. Monuments of India
4. Ekisvi sadi ka naya bharat



The topics for this competition (Group B) were

1. Recent trends in Research
2. Indian kolk art
3. Journey of ISRO
4. Ekisvi sadi ka naya bharat



The judges for this competition were Dr. Smita Kasat & Sh.Prem Jakhoyita. The certificates were distributed to all the participants in the prize distribution ceremony. The winners for poster making competition are as follows.

Group A : Ist Prize : Mr. Mayank Verma(Mother's Pet school, Amravati)

IInd Prize : Ms. Vinaya Bagde(Saint Fransis School, Badnera)

Group B : Ist Prize: Ms. Shubhangi Kolhe(Institute of Farma & Research, Badnera)

IInd Prize : Ms. Disha Gawandfe(Sipna COET, Amravati)

Ms. Siddhi Bhadange was the anchor for the programme. Ms. Shravani Ingole gave the vote of thanks. All the coordinators of student activity worked hard to make the program successful.

A Workshop on “Stress management & wellness through sahajyog meditation”

Department of Science and Humanities, Sipna College of Engineering and Technology, Amravati, organized a workshop on “Stress management and wellness through Sahaj yoga meditation” from 5th December 2022 to 9th December 2022 for First year Engineering students in M.B.A. Seminar Hall of Sipna College from 3.00 PM to 5.00pm.

The guest speaker Dr. Pratap Udhwani sir was heartily welcomed by Dr. N.V. Shirbhate, Head of the Department, Dr. P.R. Malasane, Dean Student Affairs.

Sahaja Yoga Meditation helps to improve quality of life. Many Researchers published positive effects of Sahaj yoga Meditation. Sahaj yoga meditation awakens one's inner potential – “Self-Realisation” resulting inner balanced transformation. It was established by H.H. Shri Mataji Nirmala Devi and is now spread over 150 countries.

The Students and staff of department were enjoying the lecture and took knowledge about various things that the students should incorporate in their lives. Near about 452 students of First year Engineering attended this lecture. The anchoring and vote of thanks was given by student activity coordinators from each section. All the coordinators of student activity worked hard to make the program successful.

Treasure Hunt Activity

Department of Science and Humanities, Sipna College of Engineering and Technology, Amravati, organized a Treasure Hunt Activity on 29th December 2022 for Section F of First year Engineering in college campus from 3.00 PM to 5.00pm.

In this activity there were five teams. The coordinators gave five clues to each team that helped them to find treasures hidden all over the campus. All the coordinators of student activity worked hard to make the program successful.

Seminar “ How to be a Entrepreneur”

Department of Science and Humanities, Sipna College of Engineering and Technology, Amravati, organized a Seminar “ How to be a Entrepreneur” on 12th December 2022 for First year Engineering students in M.B.A. Seminar Hall of Sipna College from 3.00 PM to 5.00pm.

The speaker Mr. Harshad Khandare is a student from (third year) IT department of Sipna COET, Amravati. The Students have took knowledge about various things that they should know about Entrepreneurship. Near about 91 students of First year Engineering attended this lecture. All the coordinators of student activity worked hard to make the program successful.

Parents Meet

Parents Meet conducted on 29th April 2023



Registration Desk



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



Felicitation of Guest



Interaction of Parents



Anchoring(Prof.P.G.Rajas)



Vote of thanks (Prof.A.V.Sable)

Induction Program Conducted from 14th Nov to 19th 2022



Inauguration of Induction Program



Felicitation of Guest(Dr. B.N. Jajoo)



Dr. B. N. Jajoo guided the students



President Sh. Jagdish Gupta guided the students



Principal Dr. S. M. Kherde guided the students



Student's Interaction