

# NEWSLETTER

## DEPARTMENT OF SCIENCE AND HUMANITIES

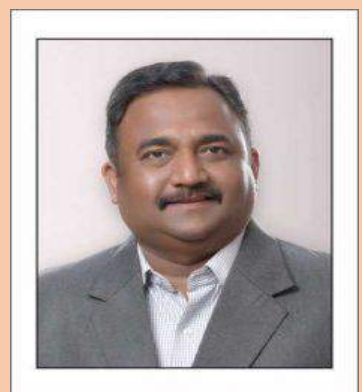
Session 2020-21

### 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 if teaching excellence and is assisting the students to excels 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

Sr.no.	Name of <i>Certificate/ Diploma / Add-on programs</i>	No. of Students
1.	Microsoft (1) AI classroom Series, (2) Excel program	02
2.	Webinar on BE FIT WITH YOGA, Cycling for health and fun, Stock Markets	12
3.	Poster making competition	19
4.	Online Quiz on (1) Science and Technology, (2) Aspirants 2021, (3) Current affairs & general knowledge	83
5.	Essay Writing Competitions	12
6.	Miles on Wheels virtual cycling Challenge	01
7.	Khamgaon Cyclothon	01
8.	Road Cycling Championship Akola	01
9.	(1) Java programming, (2) python 101 for Data science (3) Introduction to IOT (4) Python language (5) C programming language	06
10.	C++ for beginners	06
11.	Internship	01
12.	Movie making competition	09
13.	Workshop on (1) App Development using Flutter (2) "CCNA Certification and career in Networking	02
14.	Online course on (1) Data Analytics and Predictive Technologies (2) Accounting Fundamentals (3) Introduction to intel Distribution to open VINO toolkit for computer vision applications (4) Aruba Networking Basics	04
15.	7 Days Basic Web Dev with Bootstrap	02
16.	Quiz on (1) Current affairs & general knowledge (2) Awareness of crime against women (3) Handlooms (4) Census (5) NEP Transforming India (6) Fundamental duties (7) Envirolution by Govt. of India	07

## Pride of Department



## Toppers of Summer– 2020

Sr. No.	Section	Group	Name of the Student	Pointer	Total
1	A	B	MS. JANHAVI KISHOR MADIWALE	10	524
2	B	B	MS. SAMRUDDHA SURESH ROHANKAR	10	531
3	C	B	MS. SHREYA MANISH SHELKE	10	550
4	D	B	MS. SAMIKSHA SURESHRAO TAJNE	10	530
5	E	A	Mr. SHREYAS PRAMOD AMBADKAR	10	531
6	F	A	MS. RADHIKA VINOD MALANI	10	553
7	G	A	MS. SUPRIYA NITIN DESHPANDE	10	531
8	H	A	MS. RUTIKA ARUN KHEDKAR	11	545

## Toppers of winter – 2020

<b>Sr. No.</b>	<b>Section</b>	<b>Group</b>	<b>Name of the Student</b>	<b>Pointer</b>	<b>Total</b>
1	A	A	KU. RIYA NILESH HINDOCHA	10	582
2	B	A	KU. ISHA MILINDKUMAR HADOLE	10	576
3	C	A	Mr. AYUSH ANIL WALKE	10	573
4	D	A	KU. KHUSHI RAJESH KAWANPURE	10	565
5	E	B	KU. KHUSHI SUNIL MAKAWANE	10	592
6	F	B	Mr. ROSHAN SAMADHAN DESHMUKH	10	592
7	G	B	KU. SAMRUDHI NILESH TATTE	10	590
8	G	B	KU. TANVI PRAVINRAO DHOTE	10	590
9	H	B	KU. RIYA RAVINDRA GHARAD	10	591

## **Staff's Achievement**



***Heartily Congratulations to Dr. S. V. Tambakhe***

***For getting recognized as Ph.D. Supervisor at Sant Gadge Baba Amravati  
University Amravati***



## STTP/FDP /CONFERENCES Attended by Staff members:

<b>Sr.No.</b>	<b>Name</b>	<b>No of FDP</b>	<b>No. of STTP</b>	<b>No. of workshop</b>	<b>No. of NPTEL courses</b>	<b>No. of conferences</b>	<b>No. of Seminars</b>
1.	Dr.N.V.Shirbhate	6	6	2		3	
2	Dr. P. R. Malasane	2					
3	Prof. Mrs. A. J. Pande	9	3	7	1	1	2
4	Dr. M.R. Ugale	4					
5	Dr. S.V. Tambakhe	14	9	2		6	
6	Dr. G. B. Tayade	4	1	1	1	1	1
7	Dr. N. D. Sahu	2		1			
8	Dr.S.M.Borikar	2	1	2		2	1
9	Dr. P. S. Deshpande	2	2	3	1	1	1
10	Dr. K. V. Pawar	6	3	1			
11	Prof. Ms. M. R. Jadhao	4	3	2		4	1
12	Prof. Mrs. S.M. Seikdar	3		2		1	1
13	Prof. Ms. S. D. Kharbade	3	7	7		7	
14	Prof. Ms. R. G. Kela	4		1			1

## • Student Activities

### A two days' Workshop on Vedic Maths (Online)

#### Event Report:

On behalf of Sipna College of Engineering and Technology, Amravati, Department of Science and Humanities have organized two days' workshop on Vedic Maths. **Dr. N. V. Shirbhate**, convener of this workshop & Head of the Department gave preface to the workshop. **Dr. S. M. Kherde**, Principle of the College, gave the opening remark about the workshop.

Vedic mathematics is the ancient system of calculation which was drawn from the Vedas between 1911 and 1918 in India. The advantage of Vedic mathematics is that it allows for uncomplicated problem-solving methods for difficult arithmetic problems and large sums. Our daily life entails numerous calculations involving basic functions such as addition, subtraction, multiplication and division. In order for students to be acquainted with the nuanced techniques of calculation, a workshop by the Resource person Mr. **Rajesh Bhatia, a National Coordinator of Vedic Math's, New Delhi** has conducted online lecture for students as well as for all interested Participant on 27<sup>th</sup> to 28<sup>th</sup> July 2020. He shared the brilliance of Vedic Mathematics and taught few tricks to the students to calculate faster and with accuracy. He gave various examples and in hand practice to the students to grasp the tricks spontaneously. This workshop had got overwhelming response from all over the India. Total 1500 students had participated and took the benefits of this workshop. Students showed keen interest in the knowledge imparted by Mr. Bhatia and participated in the workshop with zeal and enthusiasm. The workshop sought to apprise students of small tricks that they could employ to make their calculations faster whether it was the square of big numbers or multiplication of a big number with a smaller one. Students were keen to learn and seemed to have become enabled to calculate faster and more accurately by the end of the workshop through online quiz, this was evident in the prompt answers to the questions put to them towards the end. The anchoring of this workshop was done by Dr. Pallavi Deshpande and a vote of thanks was addressed by Prof. A. J. Pande, Coordinator of this workshop. All the faculties of the department have taken huge effort for the success of this workshop.




YouTube

# वैदिक गणित

On 27<sup>th</sup> & 28<sup>th</sup> July 2020

RESOURCE PERSON



Waiting for Sipna's Official Channel  
27 July 2020 at 11:00

**MR. RAKESH BHATIA**  
National Coordinator of Vedic Maths

## Two Days Workshop on Vedic Maths

Unlisted

254 waiting • Scheduled for 27 Jul 2020

30 0 SHARE SAVE ...

**Top chat**

- Heenajivyaeezeest ok
- Aayush Thakare: it 11 but still not started
- prashik lende: 5 min extra sabko aane do...
- Sujata Kadam: good morning
- Shreyash Ghare
- Vijaykumar Bansode: i cannot see the session starting
- Ujwala Patil: Google everyone
- Abhijit Deshpande: good morning
- Chepwad M S: good morning everyone
- Smita Kasar: good morning every one.
- Rutuja Farkade: Good morning
- Ujwala Patil: sorry good morning
- Smita Tambakhe: Say something...

0/200

YouTube



Dr. Sanjay Kherde

## Two Days Workshop on Vedic Maths

Unlisted

2,665 views • Streamed live on 27 Jul 2020

152 12 SHARE SAVE ...

**Top chat replay**

- Vijaykumar Bai
- Frieny Music
- Jitendra Nanda
- tamilarasi s hi
- akshad Goyank operations 😄
- Vineet Shah d
- Vijaykumar Bai
- Shreyash Ghan
- Smita Tambaki
- Vijaykumar Bai
- Syed shoeb sh bhi yaqin na aa
- Dr. Arun Dayal
- alphu syed We
- Rekha Choudh



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### Two Days Workshop on Vedic Maths

Unlisted

2,665 views • Streamed live on 27 Jul 2020



152



12



SHARE



SAVE



#### Top chat replay

- Sanika Korde
- ASHVINI MIT
- SHOUNAK JA
- Shital Jadhav
- Sangita Daga
- Shreyash Gha
- akhilesh gum
- Vineet Shah
- Shreyash Gha
- Vineet Shah
- SHOUNAK JA
- sachin nagur
- Shreyash Gha
- chetana bhon
- SHOUNAK JA

## **Online Quiz on the Topic “Science and Technology”**

National Science Day is celebrated on 28<sup>th</sup> February in tribute to Indian physicist, Sir C.V. Raman for discovery of the Raman Effect. Department of Science and Humanities, Sipna College of Engineering and Technology celebrates National Science Day every year. This year due to pandemic situation, Department of Science and Humanities under Student Activity cell organized the online Quiz on topic of “Science and Technology”. The main goal to focus students about current updates in Science and Technology research areas. Science and Technology Quiz helpful for every student to know the updates in the present technology. It also provides the knowledge about the advancements in Science and Technology. In this online quiz, we got overwhelming responses from near about 1090 students from various engineering streams of our college. Apart from this, students from various school and colleges showed the keen interest for participation in quiz. All the successful students got participation certificate. The aim to design quiz for students was to develop their interest in research.

## **Essay writing competition**

Department of Science & Humanities, Sipna College of Engineering and Technology, Amravati. Organizes “An Essay writing competition on the occasion of International Women’s Day 2021”

Topics are:

- 1.Role of men in the empowerment of women.
- 2.Contribution of Indian Women in the field of science and technology.
- 3.Women’s roles in society through various time periods.
- 4.Role of mothers during the pandemic of Covid-19.

Total 44 participation was there in competition. In which Riya Gharad was first winner and Aastha Adwani was second winner.

## **Induction Programme 20-21**



**Dr. S.M. Kherde guided the students (Principal: Sipna C.O.E.T. Amt.)**



**Dr.N.V.Shirbhate guided the students (H.O.D. – Science and Humanities)**

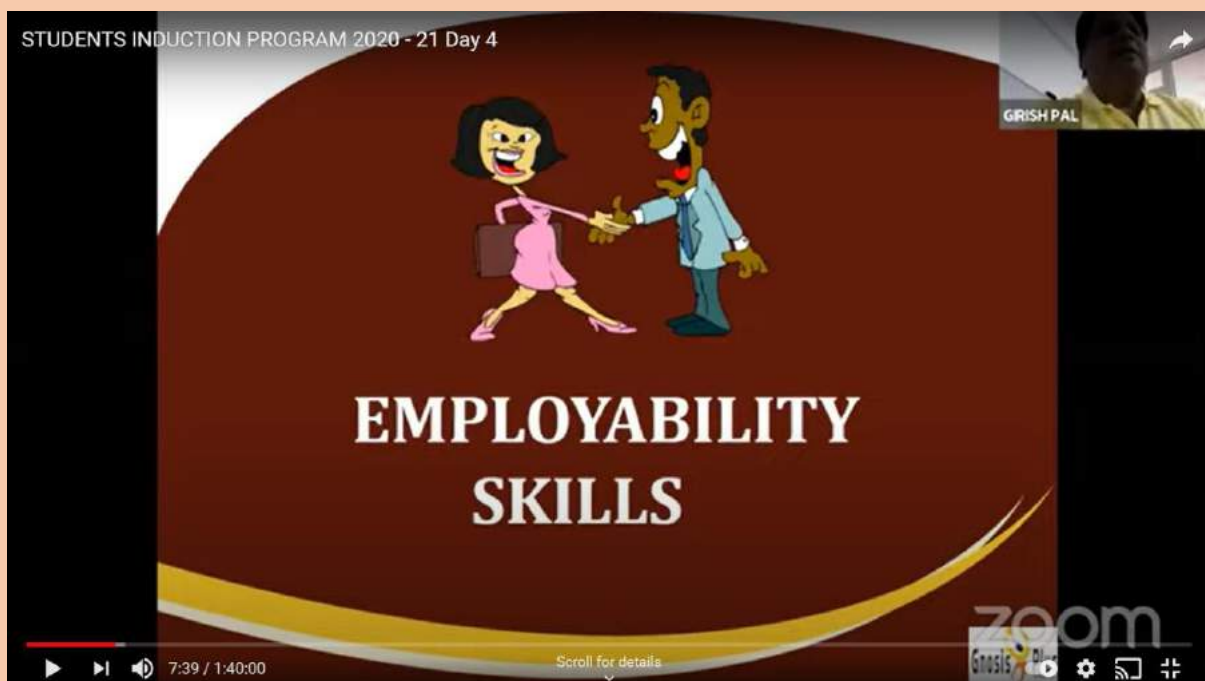


**Dr.S.A.Meshram (C.O.E.P.) guided the students**





**Dr.A.P.Thakare guided the students (Degree Program Cordinator)**



**Guest Lecture on "EMPLOYABILITY SKILLS" by Mr. Girish Pal**

STUDENTS INDUCTION PROGRAM 2020 - 21 Day 5

# Investment and Management



**Guest Lecture on "TIME MANAGEMENT " By Dr.Madhavi Moharil**