Department of Information Technology

TECHNOCRAT

Departmental Newsletter

COVER STORY
INTERNET OF THINGS-PG 6

TECHNOCRAT

SIPNA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRAVATI.
DEPARTMENT OF INFORMATION TECHNOLOGY

Inside this Issue

Editor

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INSPIRATIONAL QUOTE

Discipline is the bridge between goals and accomplishment.

– Jim Rohn

About Department

- *Use of Information Technology is growing in the Government and industrial sector. The multi-national companies are building applications based on Cutting Edge Technology. They are using IT in their operations and decision making. Due to this exponential growth, computer user community is facing shortage of manpower, trained in developing quality solutions, and planning for long term IT requirements. The need for human resources in the IT industry is being addressed at various levels.*

- *Some degree programs are available at various universities, which are providing required technical manpower in IT industries of the country. These degree programs focus mainly on entry level knowledge, whereas the IT industry needs and much more refined skills for training, research and development. Our IT branch provides sophisticated academic program that will have the necessary depth and focus to meet the needs of both the user and the IT industry.*

- *The following UG, PG and Ph. D. programs are offered by the college.*

Undergraduate	Post Graduate	Doctorate of Philosophy
☐ B. E. (Information Technology) 120 seats	☐ M. E. (Information Technology) 18 seats	☐ Ph. D. (Information Technology)

Objectives

- *Create leaders, trend-setters for the next generation of the IT industry.*
- *Offer state-of-art information technology education.*
- *Train individuals who would contribute substantially to the ambitious IT goals of the country.*
- *Undertake joint R & D with IT industry.*
- *Contribute to large developmental projects in government and public sector.*
- *Help the industry to create infrastructure that would facilitate the Indian IT industry.*

Vision of Department

- *Provide socially enriched and professional environment to transform the students into globally competent IT engineers*

Mission of Department

- *Provide learning ambience to impart quality technical education for students to develop into globally competent technology professionals.*
- *Prepare the students with strong fundamental concepts, analytical capability and problem solving skills.*
- *To provide a dynamic learning environment that emphasizes open ended design, team work, leadership and employability skills.*
- *To prepare graduates with positive professional attitude and ethical values with spirit of social commitment.*

Programme Education Outcomes

Engineering Graduates will be able to:

PEO.1:
Analyze and solve real-life problems through application of Information Technology and fundamental knowledge of mathematics and science courses

PEO.2:
Succeed in diversified and applied areas with analysis, design and synthesis of data to create novel products and solutions to meet current industrial and societal needs.

PEO.3:
Endure higher studies, research activities, and entrepreneurial skills and continue with lifelong learning.

PEO.4:
Adhere to professional and ethical values, soft skills, teamwork and communication.

Programme Outcomes

Engineering Graduates will be able to:

PO1: Engineering knowledge:
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: 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

PO3: 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

PO4: 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.

PO5: 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.

PO6: 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.

PO7: 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.

PO8: Ethics:
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9: Individual and teamwork:
Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.

PO10: 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.

PO11: 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.

PO12: 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.

Program Specific Objectives (PSOs)

PSO.1: Problem solving using the knowledge of programming, Theory of Computation, Data Structures and Discrete Mathematics.

PSO.2: Design and develop software and hardware solution by applying knowledge in Database, Operating Systems, Computer Network & Security, System Architecture, Basic Electronics and Software Engineering.

PSO.3: Analyze given information by applying Web Engineering, Communication Engineering, Internet of Things and Artificial Intelligence in Concepts.

PSO.4: Demonstrate Awareness towards Professional Ethics, Environment Aspects, Social Issues and Readiness for Lifelong Learning.

Cover Story

Internet of Things

3-Days technical workshop on Internet of Things entitled "i-3 India (Innovation-Intelligence-Information)" was organized by the students of final year, I. T. Dept., on 18,19 &20 January, 2019 for the first year, second year & third year students of CSE, I.T. and EXTC Depts. This workshop was conducted by the students for the students.

Dr. A. D. Gawande, Principal, Sipna COET, Amravati & Dr. V. S. Gulhane, H.O.D, Department of Information Technology inaugurated the program. They congratulated the organizers for organizing this workshop.

Pratik S. Kayate, Shardul Jalkote and Nishigandha Sable conducted this workshop with a count of 39 students from various branches.

In this Workshop, a project competition was arranged for the students on 25th Jan, 2019. Participants were divided into different groups for the competition. Among all groups, group with participants Dhawal Kamdar, Devesh Sharma and Parikshit Ardhapurkar emerged as winners of the i-3 India project Competition.

Dr. P. R. Malasane, Dean, Student Affairs and Prof. A. B. Deshmukh, ADPC, Dept. of. I. T. distributed the certificates to the winners and all the participants. They also congratulated them for successfully conducting this workshop and inspired them to continue this in future.

Cultural Activities

1. Yuvanand 2019

Since 2016, 12th January, the birth anniversary of Swami Vivekanand has been celebrated as "Yuvanand" at Sipna COET, Amravati. In 2019 also this day was celebrated with great spirituality. Swami Tanmayananda Ji from Ramkrishna Vivekananda Ashrama, Ambikapur was the honorable speaker. He threw light on Swami Vivekananda's life and his ideologies and guided all the students and staff present over there.
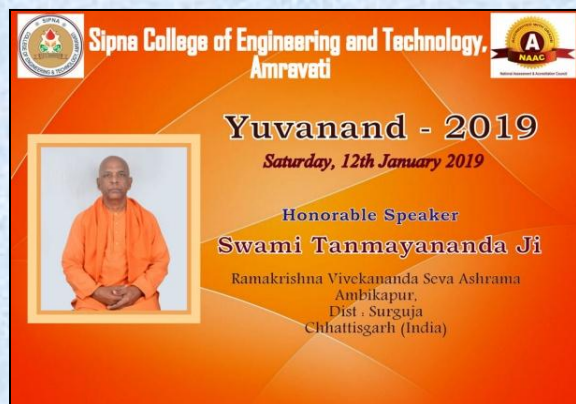
2. Shivmahotsava 2019

The birth anniversary of Shivaji Maharaj is celebrated as Shivmahotsava at Sipna COET, Amravati. The mahotsava started with a rally from Science Score school ground towards Sipna College. Girls driving bullets, Mawales carrying flags, Hon. President Shri Jagdishji Gupta in jeep with students dressed as Shivaji Maharaj, Sambhaji Maharaj, Jijamata, Sai Bai were the centre point of attraction in rally. When the rally reached Sipna, it was accompanied by students doing Lezim from Deepa School. This year Shivmahotsava also comprised of Rope Malakhamb event done by students from HVPM, Play on Shivaji Maharaj's Life done by students from Manibai Gujrati School and Dress Competition of children dressed as Shivaji Maharaj. The mahotsava ended successfully with the prize distribution ceremony done by the hands of the dignitaries to the winners.

3. Annual Social Gathering, 'Umang-2019'

Sipna Shikshan Prasarak Mandal's College of Engineering and Technology, Amravati celebrated, Annual Social Gathering, "Umang 2019", on 28th February and 1st March 2019. A platform to showcase the hidden talents with their full potential in the form of 'Umang', was well appreciated and encouraged by all the well wishers. Activities like 'Umang', helps in nurturing and cultivating the minds of students along with regular curriculum. The guidance and support from the management and the principal of the institute and with the cooperation by all teaching and non-teaching staff and students made the event successful.

28th February, 2019

This year 'Umang 2019', was inaugurated at the hands of Shri. Jagdishji Gupta, President, Sipna Shikshan Prasarak Mandal, Amaravati, in presence of Dr. A D. Gawande, Principal, Dean (Student Affairs), Umang 2019 staff incharges (cultural and sports). The inaugural function included condolences over the death of 42 Central Reserve Police Force (CRPF) soldiers who were killed in deadly suicide attack in Pulwama district of Jammu and Kashmir. The inaugural ended with a tribute dance to all the soldiers. The day continued with the other activities that included Aura of Arts, Variety n Entertainment, Musical fish pond and Jalsa (dance competition).

1st March, 2019

Day 2 of Umang started with Anand Mela, followed by Rockerz (Voice of Sipna), Prize distribution, Iconic Fashion Show and Jallosh (DJ night). Chief Guest for valedictory and prize distribution this year was Shri. Sanjayji Bawiskar, Commissioner of Police, Amravati. Gathering Secretary (cultural), Mr. Shikhar Baniya and Ms. Saloni Khandelwal, along with all committee members put all their efforts under the guidance of Principal, Dr. A D. Gawande to make 'Umang 2019' successful.

## 4. Vidyotan 2K19 - *National level Technical Symposiums organized in the Institute*

The aim of the symposium is to make students aware about the latest developments in the field of Engineering and Technology by sharing the knowledge through research paper presentation and participating in various Technical Competitions like Robotics, LAN Gaming, On spot Programming, Poster Presentation. In "VIDYOTAN", participants from all parts of the country participate for technical competition. This year the theme was "Artificial Intelligence - Innovations beyond Limitations". The Tech-fest was inaugurated at the hands of Mr. Rajendra Ghare, Corporate HR Advisor, Hyva India Pvt. Ltd., Pune. Throughout the day, 18 events were conducted and more than 1400 students participated in different events.
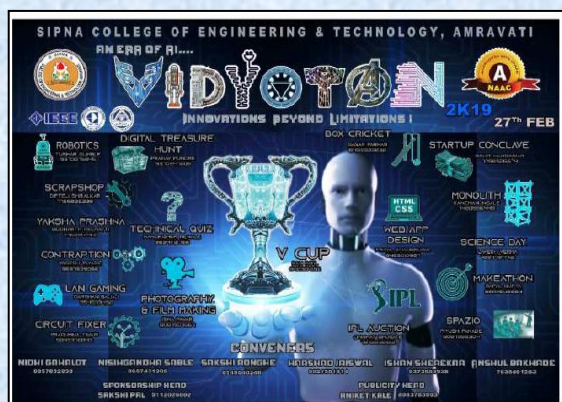
Seminars and Workshops taken under Student Activity

*1. Seminar on "**Soft skills and technical skills required to crack interview, survival in job & how to prepare for it**" was organized for 3rd year students on 16/01/2019. Mr. Santosh More, CEO and Founder, SUN InfoTech, Amravati was the Guest of honour of the day.*
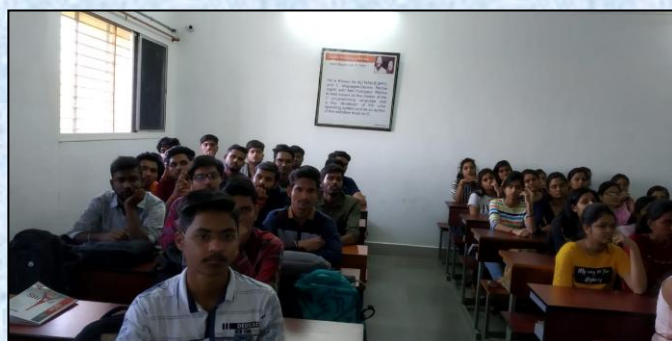
*2. 3-Days technical workshop on Internet of Things entitled "**i-3 India (Innovation-Intelligence-Information)**" was organized by the students of final year, I. T. Dept., on 18,19 &20 January, 2019 for the first year, second year & third year students of CSE, I.T. and EXTC Depts. This workshop was conducted by the students for the students. Pratik S. Kayate , Shardul Jalkote and Nishigandha Sable conducted this workshop with a count of 39 students from various branches.*

3. Seminar on **"M-Tech as Career Option and Opportunities Available Through GATE"** *was organized for 2nd year students on 19/01/2019. The seminar was taken by Mr. Umesh Agalave, Director, GATE FORUM, Amravati.*

4. *Inaugural function of* **"CSI Student Chapter"** *at Sipna COET, Amravati by the hands of Dr. G. R. Bamnote, Head of CSE Dept, P. R. M. I. T. & R. and Ex-President of CSI, Amravati region followed by Seminar on "Tech Leap" given by, Mr. Suyash Zawar, Founder and CEO of Effigrity Solutions, Pune on 09/02/2019 for student members of Computer Society of India.*

5. Seminar on ***"Internet of Things"*** *was organized for first year students on 12/02/2019. The seminar was taken by Mr. Pratik Kayate, Final year I.T. Student.*

6. Celebration of CSI Foundation Day followed by Seminar on ***"Cloud Technology and Information Security"*** *was organized for CSI members on 6/3/2019. Mr. Anil Tatode, Training Officer, Department of Robotics and Cloud Technology, RTMNU was the Guest of Honour of the day.*

7. Seminar on ***"Success in your Hand"*** *was organized for 3ʳᵈ year students by Lokmat Group and Gillette on 13/3/2019.*

8. ***The Felicitation program of the Toppers*** *from the Winter 2018 University Exam was organized at Dept. of Information Technology, Sipna College of Engineering & Technology, Amravati on 5ᵗʰ April, 2019.*

Placement

Following students got placed from Department of I. T. in different companies.

Sr. No.	Name of Student	Company Name	Designation
1	Aishwarya Gedam	Amazon	Customer Service Associate
2	Ajinkya Shingane	Techinfini Solutions Pvt Ltd	Software Developer
3	Priya Sasankar	Tech Mahindra	Trainee Engineer
4	Priyanka Agrawal	ConneQT	Tech Support
5	Ankush Gedam	ConneQT	Tech Support
6	Monika Chhangani	ConneQT	Tech Support
7	Neha Kawalkar	ConneQT	Tech Support
8	Pournima Sawarkar	Redmi	Tech Support
9	Poonam Jadhav	Genpact	Tech Support
10	Hitesh Matre	ICEICO	Business Development Executive
11	Samir Fating	ICEICO	Business Development Executive
12	Mithila Jagtap	Collabera	Technical Recruiter
13	Shardul Jalkote	Epic Research	Associate Financial Consultant-Global Market
14	Ajinkya Shingane	TATA Consultancy Services Limited	Assistant System Engineer-Trainee

Internships

Following students went for internships from Department of I. T. in different companies.

Sr. No.	Name of Students	Company Visited for Internship	Duration of Internship	Year	No. of Students Visited
1	Rajkalp Khade	Ccube Communications, Nagpur	1 June 2018 to 31 Dec. 2018	Final	1
2	Anuja Bijwe	ICEICO Pvt. Ltd., Nagpur	25 Dec 2018 to 10 Feb 2019	Third	8
3	Devashree Deshmukh				
4	Ashwini Ingle				
5	Payal Gobale				
6	Shivani Khond				
7	Harshada Joshi				
8	Rushali Kadam				
9	Pooja Dhamole				
10	Abhishek Donge	FNF Services (Internshala)	02 Jan 2019 to 13 Feb 2019	Third	1
11	Aniket Tirathkar	Ercess Incorporation (Internshala)	26 Dec 2018 to 05 Feb 2019	Third	1
12	Pratiksha Mantri	it-TRONS Technologies, Amravati	23 Jan 2019 to 10 Mar 2019	Third	13
13	Payal Yewale				
14	Trupti Kaduskar				
15	Chitra Chouhan				
16	Surabhi Deshpande				
17	Priya Hemnani				
18	Shuti Pusegaonkar				
19	Shreya Pusegaonkar				
20	Pragati Bhawar		15 Jan 2019 to 10 Mar 2019		
21	Abhijeet Chavhan		15 Dec 2018 to 30 Jan 2019		
22	Akrosh Rathod				
23	Monal Barange				
24	Vaishanvi Dhale				

Student Achievements

Following students were class toppers in Winter 2018 University Exam.

Sr. No.	Name	Rank in Class	Year and Section
1.	Miss. Himani Mishra	1st Topper	2nd yr sec A
2.	Miss. Monika Hagwane	1st Topper	2nd yr sec B
3.	Miss. Madhura Pathak	1st Topper	3rd yr sec A
4.	Miss. Rashi Gulhane	1st Topper	3rd yr sec B
5.	Miss. Komal Ghiya	1st Topper	4th yr sec A
6.	Miss. Ankita Sharma	1st Topper	4th yr sec B

About Institution

DEPARTMENT

OF

INFORMATION TECHNOLOGY

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Sipna College of Engineering and Technology, Amravati.

Vision:

To provide quality professional education and conducive environment to students to emerge as a model proficient institute.

Mission:

• To create scholarly and vibrant environment for professional excellence.

• To contribute to advancement of knowledge in basic and applied areas of engineering and technology.

• To be an institute of choice in the region by developing, managing and transferring contemporary technologies.

• To build mutually valuable terms with society, industry and Alumni.

Website: www.sipnaengg.ac.in