



INFORMATION BROCHURE

SIPNA

COLLEGE OF ENGINEERING & TECHNOLOGY, AMRAVATI

(An Autonomous Institute)

Infront of Nemani Godown, Badhera Road, Amravati - 444701 (Maharashtra)

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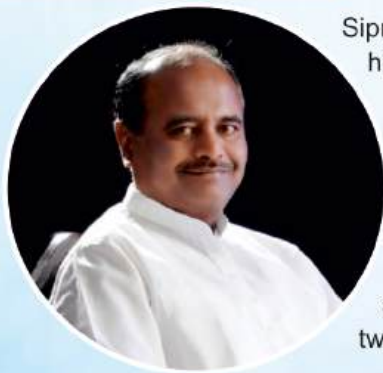
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About the Society



Shri. Jagdish M. Gupta

PRESIDENT

Sipna Shikshan Prasarak Mandal, Amravati

Sipna Shikshan Prasarak Mandal, established in the year 1995, aims at imparting higher and technical education to the people of the region since its inception. SSPM has been successfully running undergraduate and postgraduate courses in emerging areas through Sipna's Arts, Science and Commerce College, Chikhaldara, Sipna College of Engineering & Technology, Amravati and Sipna School of Planning and Architecture, Amravati affiliated to Sant Gadge Baba Amravati University, Amravati. We are successfully conducting and providing quality education to various undergraduate, postgraduate and doctoral research, engineering and management programmes over last two and half decades.



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 industry, commerce, society and alumni.



Dr. Sanjay M. Kherde

PRINCIPAL

Ph.D. (Mech. Engg.)

DBM. PGDMM. MIRPM

Experience : Teaching - 36 Years,
Industrial - 1 Year



About the Institute



Sipna College of Engineering & Technology, Amravati is a highly commendable institute, occupying a place of pride among the premier technical institutes of Central India. It imparts high-quality education in engineering and technology to meet the requirements of this fast-changing world. We are proud to have experienced and renowned faculty members along with state-of-the-art infrastructural facilities. We consider it our sole responsibility to provide holistic education and a learning environment that is second to none.



DEPARTMENTS

Our emphasis will be directed to work synergistically to step towards quality education and technical knowledge to enhance technical skills and ethical values for global employment.

Artificial Intelligence (AI) and Data science



- **Course:** B. Tech.
- **Year of Inception:** 2024
- **Sanctioned Intake:** 120
- **Accredited by:** The institute is accredited by NAAC with grade "A+" and International Accreditation Organization (IAO)
- **Specialization offered by the department:** Artificial Intelligence, Machine Learning, Data Processing, Deep Learning
- **Key Laboratories:** Machine Learning Lab., Artificial Intelligence Lab., Data Processing Lab., Web Technology Lab., Operating System Lab., Data Structures Lab.
- **Career Opportunities in:** Software and IT Industry, Banking, Finance, e-Commerce, Healthcare and Health Technology, Marketing, Energy, Education Technology, Agriculture, Manufacturing, Construction etc. as a Data Scientist, Business Intelligence (BI) Developer, Research Scientist, Business Analyst, Data Architect, Machine Learning Engineer, Artificial Intelligence (AI) Architect, Artificial Intelligence (AI) Consultant and Product Manager, Computer Vision Engineer, Full Stack Engineer, Neural Network Developer, Natural Language Processing (NLP) Engineer.
- **Faculty Strength:** 9 Members
 - Number of Ph.D. faculties: 03
 - Number of faculties pursuing Ph.D.: 01
- **Average Experience:** 14 Years



Civil Engineering



- **Course:** B.Tech.
- **Year of inception:** 2013
- **Sanctioned intake:** 120
- **Accredited by:** National Board of Accreditation (NBA) (from year 2023)
Specialization offered by the department: M.Tech. Structural Engineering
- **Key laboratories:** Strength of Materials Lab., Reinforced Cement Concrete Lab., Geotechnical Engineering Lab., Transportation Engineering Lab., Fluid Mechanics Lab., CAD Lab., Engineering Mechanics Lab., Surveying Lab., Environmental Engineering Lab.
- **Career opportunities in:** MPSC, UPSC, IES, PWD, Water Resources Department, Civil Engineering Companies, Structural Design Consultants, Construction & Infrastructure Development Companies and many more.
- **Faculty strength Number:** 14
 - Number of PhD Faculties: 04
 - Number of faculties pursuing PhD: 03
- **Average Experience:** 10 Years



Computer Science and Engineering



- **Course:** B.Tech.
- **Year of inception:** 1999
- **Sanctioned intake:** 180
- **Accredited by:** National Board of Accreditation (NBA) (since 2013)
Specialization offered by the department: Artificial Intelligence, Data Science, Cyber Security, Internet of Things
- **Key laboratories:** Data Structure Lab., Operating System Lab., Object Oriented Programming Lab., Web Technology Lab., System Software Lab., DBMS Lab., Software Engineering Lab., Project Lab.-1, Project Lab.-2, Center of Excellence (Developed by ProCohat Technologies Pvt. Ltd.), Computer Programming Lab., Language Lab., Research Lab.
- **Career opportunities in:** Software Developer, Web Developer, IT Project Manager, Data Scientist, Network Engineering/Administration, System Analysis, Database Administration, IT Consultation, IT Entrepreneurship, AI Engineer
- **Faculty strength Number:** 33
 - Number of PhD Faculties: 13
 - Number of faculties pursuing PhD: 14
- **Average Experience:** 15 Years



Electronics and Telecommunication Engineering



- **Course:** B.Tech.
- **Year of Inception:** 1999
- **Sanctioned intake:** 120
- **Accredited by:** National Board of Accreditation (NBA) (since 2013)
Specialization offered by the department: M. Tech. in Electronics & Telecommunication
- **Key laboratories:** Electrical Engineering Lab., Electronic Devices and Circuit lab, Communication Engineering Lab., UHF and Microwave Lab., Digital Electronics Lab., Power Electronics lab., VLSI Embedded systems lab., Computer Lab. (PG), Project Lab., Signal and Image processing lab., Internet of Thing (IoT) lab., Embedded systems with VLSI lab. (Funded by A.I.C.T.E under MODROB Scheme)
- **Career opportunities in:** Careers in Government sectors, Telecommunication Sector, Consumer Electronics, Power Electronics, Health Care Systems, Manufacturing, IT industries, Robotics, VLSI & Semiconductor etc.
- **Faculty strength :** 32
 - Number of PhD Faculties: 22
 - Number of faculties pursuing PhD: 07
- **Average Experience:** 20 Years

Information Technology



- **Course:** B.Tech.
- **Year of inception:** 2002.
- **Sanctioned intake:** 120.
- **Accredited by:** National Board of Accreditation (NBA) (since 2019)
Specialization offered by the department: Cloud Computing, Data Science, Cybersecurity.
- **Key laboratories:** Centre of Excellence by ProCohat Technologies Pvt. Ltd., Computer Network Lab., Software Engineering Lab., Internet of Things Lab., Project Lab., Web Technology Lab., Programming Language Lab., and well-equipped Digital Learning Centre.
- **Career opportunities in:** Software Development, Network Engineering/Administration, Cybersecurity & Information Security, Data Science & Analytics, Database Administration, Cloud Engineering, Cloud Computing, AI, Web & UX Design, IT Project Management, IT Consultation, IT Entrepreneurship.
- **Faculty Strength Number:** 25
 - Number of PhD Faculties: 10
 - Number of faculties pursuing PhD: 11
- **Average Experience:** 14 Years.

Mechanical Engineering



- **Course:** B.Tech.
- **Year of inception:** 2014
- **Sanctioned intake:** 60
- **Accredited by:** National Board of Accreditation (NBA) (from year 2023)
Specialisation offered by the department: PG - M.Tech. in CIM (Computer Integrated Manufacturing)
- **Key laboratories:** Energy Conversion Lab., I.C. Engine & Automobile Engg. Lab., Heat Transfer Lab., Measurement System Lab., CAD/CAM Lab., CIM Lab., Mechatronics Lab., Refrigeration and Air conditioning Lab., Metrology and Quality Control Lab., Material Science Lab., Theory of Machine & Dynamics of Machine Lab., Mechanical Workshop.
Career opportunities in : Government sector, Power Sector, Automotive and Manufacturing Sector
- **Faculty strength Number:** 14
 - Number of PhD Faculties: 3
 - Number of faculties pursuing PhD: 5
- **Average Experience:** 14 Years



Science and Humanities



- **Course:** B.Tech.
- **Year of inception:** 1999
- **Sanctioned intake:** 720
- **Accredited by:** The institute is accredited by NAAC with grade "A+" and International Accreditation Organization (IAO)
- **Key laboratories:** Engineering Physics Lab., Engineering Chemistry Lab., Language Lab., Mathematics Lab., Central Computing Facility Centre., Central Mechanical Workshop
- **Faculty strength Number:** 18
 - Number of PhD. : 12
 - Number of faculties pursuing PhD: 4
- **Average Experience:** 18 Years



Master of Business Administration (MBA)



- **Course Name:** M.B.A.
- **Year of inception:** 2008
- **Sanctioned intake:** 120
- **Accredited by:** The institute is accredited by NAAC with grade "A+" and International Accreditation Organization (IAO)
- **Specialisation offered by the department:**
 - Financial Management
 - Marketing Management
 - Human Resource Management
 - Operation Management
 - Business Analytics
 - Retail Management
- **Key laboratories:** Analytics and Language Lab.
- **Career opportunities in:** Finance, Banking, Human Resource, Marketing and Retail Industry, IT Industry, Business Analytics, Industrial Administration, Operations and SCM, Agri and Pharma Industry, etc.
- **Faculty strength Number:** 12
 - Number of PhD Faculties: 07
 - Number of faculties pursuing PhD: 03
- **Average Experience:** 12 Years

Master of Technology (M.Tech.)



- Computer Science & Engineering
- Information Technology
- Electronics & Telecommunication Engineering
- Civil (Structural Engineering)
- Mechanical Engineering (Computer Integrated Manufacturing)

Doctor of Philosophy (Ph.D.)



University Approved Ph.D. research Laboratories

- Electronics Engineering
- Computer Science & Engineering
- Information Technology
- Mechanical Engineering
- Mathematics (App. Science)
- Physics (App. Science)
- Chemistry (App. Science)



Career Guidance Cell

The Career Guidance Cell provides relevant academic and career information. To enable students to make informed decision along the way. It also focuses to create awareness about the importance of higher studies in India and abroad. It also inculcates the value to serve the nation through various civil services.



Entrepreneurship Development Cell

The Entrepreneurship Development Cell has been established with a view to encourage graduating engineers to consider self-employment as a career option. Cell promotes entrepreneurship through guest lectures, workshops, seminars, and competitions and industrial visits. We are here to water the 'IDEAS' in the bud and help them bloom into impactful endeavours.

Remote Pilot Training Organization (RPTO)

The institute has recently established a Directorate General of Civil Aviation (DGCA) authorised Vidarbha's first RPTO which will provide Drone Training to the pilots along with the licence of 10 years validity which is helpful to Professionally trained drone Pilots of the region to use their skills in various sector's, such as surveillance, agriculture, Photography etc and to get the Self employment.

Research & Development Cell

Research & Development Cell aims to create research awareness amongst our faculty members and students'. It also helps to have faster collaboration and interaction with researchers working on various disciplinary and interdisciplinary researches.

Training and Placement Cell

- The Institute has full-fledged Training & Placement Cell headed by TPO & Co-ordinators.
- Regular inbuilt personality development sessions by professionals and Industrial experts.
- Close and Pool Campus interview drives are organized regularly
- Well-known Multi National, small & medium size companies visits regularly for campus interview drives.
- Job assistance for all deserving students.
- Continuous Industry - Institute - Interaction through industry visits, in-plant training and Internships.
- Guest lectures by Industry experts.
- Sponsored project assignments.
- Live project consultancy etc.,
- Industry based scholarships to students on merit basis.
- Organization of Entrepreneurship Awareness Camp.
- Assistance in Internships and Apprenticeship.

Industry Institute Interaction and Corporate Relation Cell

III & CR Cell looks for Career & Personality Development of Students by organizing different types of Guest Lectures & Training Activities. Industry Institute Interaction is done through this III & CR Cell for exposure of students to industry. In vacation period, in-plant training & industrial tours are organized by the cell through which the students get practical experience. To fulfill the technical human resource demand of industry this cell continuously interacts with the industry and organizes on - campus placement activities for the eligible students, through which students get final placement in the industry. This cell also takes care of Entrepreneurship of Students which creates opportunities for the students to become Self-employed.

Central Library

- State of art and fully computerized Central Library.
- Over 51084 Text and Reference Books Collection.
- Subscription of 359 National and International Journals.
- Subscription of scholarly e-Journals of Elsevier Science Direct.
- More than 1500 e-Books access on intranet.
- IIT Video lectures access facility through NPTEL.
- Membership of National Digital Library of India (NDL)
- Fully equipped Audio-Visual Section and Digital Library Section.
- Subscription of 15 daily/weekly news-papers of repute.
- Fully air-conditioned Reading Hall and Reference Section with a seating capacity of 155



Girls' Hostels

- Four Hostels for Girl students'.
- Air-conditioned rooms.
- Total capacity - 440
- Visiting doctor's facility.
- Separate Mess Facility in each Hostel



AUDITORIUM (Spacious 1350 Sq. m. area)

- Seating capacity of 700
- Equipped with LCD Projector
- Digital Sound System
- Fully Air Conditioned
- Direct and Indirect light system for dramatic mood.



HIGHLIGHTS

- Established in the year 1999, aims at imparting higher & technical education to the people of the region.
- Recognized by A.I.C.T.E., New Delhi.
- Approved by D.T.E. Maharashtra State, Mumbai.
- An Autonomous Institute Affiliated to Sant Gadge Baba Amravati University, Amravati.
- Accredited with International Accreditation Organization (IAO) Certified by ISO 9001:2015 (Quality Management System) & ISO 14001:2015 (Environment Management System)
- Accredited by NBA, New Delhi : All Eligible Engineering UG Programs.
- Accredited by NAAC, Bangalore with 'A+' Grade.
- A 'Mentee Institute' of COEP Technology University, Pune.
- Highest percentage of student placement in the region in India's most renowned companies every year.
- Recognized under section 12(B) & 2(f) of UGC act.
- Recipient of IETE-Shri. P. P. Malhotra Award, 2019.
- Vidarbha's First Remote Pilot Training Organisation (RPTO) Authorised by DGCA- Govt. of India.







ADMISSION OPEN

Admission to the courses of the Institute are done as per the norms & guidelines of Directorate of Technical Education, M.S. Mumbai Through Centralised Admission Process (CAP)



COURSES OFFERED



B.Tech. (Bachelor of Technology)

Four years Full Time programme (8 semesters)

- Computer Science & Engineering
- Information Technology
- Electronics & Telecommunication Engineering
- Civil Engineering
- Mechanical Engineering
- Artificial Intelligence (AI) & Data Science



M.Tech (Master of Technology)

Two years Full Time programme (4 semesters)

- Computer Science & Engineering
- Information Technology
- Electronics & Telecommunication Engineering
- Civil (Structural Engg.)
- Mechanical (Computer Integrated Manufacturing)



MBA (Master of Business Administration)

Two years Full Time programme (4 semesters)

Specialization

- Financial Management
- Marketing Management
- Human Resource Management
- Operation Management
- Business Analytics
- Retail Management



SSPM Amravati's Various Institutes:

- Sipna College of Engineering & Technology, Amravati
- Sipna Arts, Commerce & Science College, Chikhaldara
- Sipna School of Planning and Architecture, Amravati
- Sipna Junior College, Amravati



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(An Autonomous Institute Affiliated to SGB Amravati University)



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