Shri Govindram Seksaria Institute of Technology & Science
Established in 1952

Placement Brochure
2015-16

23, Park Road, Indore- 452003(M.P) India
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About Us

SGSITS is recognized as a leading Institute in the state of Madhya Pradesh and the Western Region consistently during its glorious journey of sixty years. It has been ranked among top 30-40 institutes on National level (including IITs and NITs) by various surveys conducted by independent bodies. Further looking to its credentials, All India council for Technical Education (AICTE) and University Grants Commission (UGC), New Delhi, has declared the Institute as autonomous in 1989.

Under the autonomous status, the Institute conducts its own examination and recommends the names of the students to the university for the award of degree. From the session 2000-2001 the Institute is affiliated to the Rajiv Gandhi Prodyogiki Vishwavidyalaya (University of Technology of M.P.) Bhopal. Persistent efforts are underway to achieve the DEEMED UNIVERSITY status for the Institute.

Presently, the Institute offers Ten UG courses (Regular), four UG courses (Part Time), PG programmes with 22 Specializations, Two Part-Time PG courses in various disciplines under the emerging areas of Engineering, Technology, Applied Sciences, Computer Applications, Management and Pharmacy. The present intake is 690 in B.E. and 60 in B. Pharm. at UG level, and 430 at PG level with a total strength of students exceeding 3300 at UG level and 1100 at PG level, including PhD scholars.

Every year approximately 10 students from different states of the country are also nominated by the Govt. of India for admission to this Institute. The sanctioned faculty strength is 206 which include 32 Professors, 27 Associate Professors and 52 Assistant Professors. In addition, there are about 95 Assistant Professor on Contract.

The Institute has well qualified faculty members with most of Professors and Associate Professors have Ph. D. degree. The strength of administrative and other supporting staff is about 265. Teaching and related activities of the Institute are performed by various Departments, Centers, and Cells of the Institute.

Vision
A front-line institute in Science & Technology making significant contribution to human resource development envisaging dynamic needs of the society.

Core Values
- Develop human resources to serve the nation
- Recognition of teaching as a unifying activity
- Nurture integrity, creativity and academic freedom
- Retain a willingness to experiment with new paradigm

Mission
To generate experts in Science & Technology relevant to society for its accelerated socio-economic growth in professional and challenging environment, imparting human values.

Objectives
- To educate and train Under Graduate and Post Graduate level professionals who can become leaders in the field of Engineering and Technology.
- To use modern instructional techniques and technology to the best advantage in the delivery system so as to enrich students in achieving their education and professional goals.
- To provide educational opportunities to persons already employed or engaged in business, by allowing them pursue Part-Time Degree/Distance Education Programs without interrupting their careers and without any compromise on the quality of education.

Quality Policy
To pursue global standards of excellence in all our endeavors namely, teaching, research, consultancy and continuing education and to remain accountable in our core and support functions through processes of self-evaluation and continuous improvement.
To survive and prosper in the emerging technological era which is characterized by intense competition and turbulence, it is imperative for technocrats to continuously update their knowledge and to acquire new skills and capabilities.

Our students constitute the top performers in the various competitive examinations and are selected after undergoing one of the most rigorous admission process. While students come from diverse backgrounds with regard to age, experience and academic background, they are united in their zeal, determination and dedication to succeed in their chosen fields of activity. Our students not only aim to become world-class engineers, many of our alumni have attained leadership positions in corporate sectors as well as government, NGO and social services sector. The Academic programs, which are widely renowned for its academic rigour and its focus on bringing contemporary industry practices to classrooms, has been immensely successful in moulding practicing young engineers into leaders capable of transforming the technology and business landscape.

The breadth of talent available at SGSITS Indore is unique across India, making it the campus of-choice for its recruiters around the globe. We are sure you will benefit immensely from our placement services, as we will from your presence on campus.

With regards,
Prof. S.S. Bhadauria
Departments

05 Civil Engineering And Applied Mechanics
06 Computer Science Information Technology
06 Mechanical Engineering Industrial and Production
10 Electronics And Instrumentation Electronics And Telecommunication
12 Electrical Engineering
13 Biomedical
14 Pharmacy
15 Applied Physics Applied Chemistry Applied Mathematics
16 Master of Computer Applications (MCA)
17 Master of Business Administration (MBA)
This is the first department of SGSITS established in 1952. The Department is fully equipped with modern facilities. The major strength of the Department is its participation in multidimensional activities like Testing, Consultancy, and Organizing state of art Seminars, Workshops, Short Term Courses etc. The Department is having faculty strength of 15 staff members with 10 of them having Ph.D. This Department is equipped with 16 Laboratories and Computer Center for Research and Development, teaching, training and consultancy. The department has been identified as a Resource Center for earthquake studies by National Programme for Earthquake Engineering Education, Govt. of India. A grant of INR 15 lacs was sanctioned for the setup of a lab in earthquake engineering under NPEEE project of MHA. The Department is also a QIP Center for Ph. D. Programme.

Faculty members of the department have been awarded various prestigious awards like Anna University Award by ISTE (1992), UNESCO (1989), Career Award in 1995, 1996, Indira Gandhi Fellowship in 1996, NPEEE Fellowship (2005), INA Fellowship (2005, 2009), Young Scientist Award, MPCOST Fellowship in various years to many faculty of the department.

Core Subjects
- Environmental Engineering
- Geotechnical Engineering
- Structural Design and Analysis
- Design of Hydraulic Structures
- Transportation Engineering
- Water Resources Engineering
- Remote Sensing and Geodesy
- Construction Technology
- Materials Technology

Courses
- B.E. (Civil Engg.)
- M.E. (Environmental Engg.)
- M.E. (Structural Engg.)
- M.E. (Transportation Engg.)
- M.E. (Water Resources Engg.)
- M.Tech. (Environmental Engg.)

Major Labs
- Remote sensing and Geodesy Lab
- Geotechnical Engineering Lab
- Structural Designing Lab
- Structural Analysis Lab
- Construction Technology Lab
- Building Planning and Architecture Lab
- Instrumentation and Experimental techniques
- Materials Technology Lab
- Mechanics of solids

R&D and Consulting
- Water Supply, Treatment Technologies & Distribution
- Seismic performance of existing masonry buildings
- Earthquake risk analysis system for RC frame Structures on grid computing
- Geopolymer concrete
- Environmental Impact in Solid Waste Landfills
- Parametric studies seismic performance
- Geotechnical & Geo-environment Engineering
- Remote sensing and GIS techniques in Urban planning
The department of Computer Engineering was established in 1983, the first one in the state of Madhya Pradesh and Central India. The department runs the UG and PG programmes in Computer Engineering, both of the programmes are accredited by the NBA, AICTE. Department offers several courses to impart firm conceptual knowledge in areas like data structures, Operating Systems, Computer Architecture, Data Mining, Cloud Computing for UG and subjects like Soft Computing, Mobile Computing etc for PG students.

The dept is equipped with well networked labs running windows and Linux Operating Systems. The dept. has young and enthusiastic faculty dedicated to impart quality education. The students of Computer Engineering Dept. have been active participants in various academic by CSI and GDG.

Many of the ex-students of the dept are now serving at prominent positions in reputed R&D Organizations and leading industries. Recently the dept has been recognized as the QIP centre for PhD program and will be receiving a fund of Rs. 1 crore in next 4-5 years under TE-QIP project for setting up of the advanced labs & modernization of existing labs.

**Core Subjects**
- Data structures
- Computer architecture
- Object oriented programming systems
- Database management system
- Analog and digital comm.
- Software engineering
- Operating Systems
- Computer Networks

**Major Labs**
- Computer Graphics lab
- Distributive Computing lab
- System Operations lab
- Operating Systems
- System Programming lab
- Object Oriented Programming Systems
- Database Management Systems

**R&D and Consulting**
- Soft Computing
- Software Architecture
- Advance Algorithms
- Computer Network Security
- Data Analysis & Mining Algorithms

**Courses**
- B.E. (Computer Engg.)
- M.E. (Computer Engg.)
The department has four fully networked labs with state-of-the-art computing facilities and is in the process of developing two new laboratories such as Advanced Computing and Software Engg. Lab with the financial assistance under TEQIP project. The Mobile Computing Lab houses the experimental setups based on latest wireless and mobile equipment’s to impart the knowledge to students in the area, which is one of the important upcoming areas in the field of Information Technology.

The curriculum of the B.E (IT) is reviewed from time-to-time and is revised regularly, keeping in view the needs of industry. The department also provides training and higher learning opportunities to faculty to improve their teaching methodology. The faculty members are also encouraged to take-up consultancy work and carry out research and development activities. The department has good collaboration with some of the reputed industries.

The experts from the industry are invited as visiting faculty as well as for delivering lectures on specialized topics. Many student projects at final year level are also carried out in association with the industries. An internal website has also been developed in the dept., containing an e-library in which 200 books and 100 Tutorials of various subjects have been downloaded which will help the students to improve their analytical and practical skills. The Department also maintains a lecture management system (moodle) for all the courses.

### Major Labs
- Data Structure
- Object Oriented Programming
- Operating System
- Database Management System
- Computer Networks
- Software Engineering
- System Programming
- Data Mining & Data Warehousing
- Information Security

### Core subjects
- Data Structure
- Object Oriented Programming
- Discrete Structures
- Operating System
- Database Management System
- Computer Networks
- Web Engineering
- Software Engineering
- Theory of Computation
- System Programming
- Design & Analysis of Algorithm
- Advanced Software Engineering
- Data Mining & Data Warehousing
- Information Security

### Courses Available
- B.E. (Information Technology Engg.)
Mechanical Engineering Department is one of the prime and oldest department of the Institute with 18 learned staff members on the roll. Over the years, a number of well equipped laboratories have been developed. The Department has excellent experiment facilities in Vibrations & Noise Control laboratory, Material Science Laboratory, Material Testing laboratory, Automobile and I C Engine Laboratory, Refrigeration and Air Conditioning Laboratory, Heat and Mass Transfer Laboratory, Theory of Machines Laboratory, Fluid Mechanics laboratory, Recently Computer Aided Design and Graphics Laboratory has been developed with latest CAD/CAM software.

Majority of the teaching faculty has either acquired Ph.D. qualifications in their respective areas or are in the process of completing the same. Many of the staff members have been associated to the institutes of higher learning such as I.I.T.s, I.I.Sc. Bangalore, NITs etc. Department has also conducted many Seminars, Conferences & Short Term Courses in last three years.

### Courses
- B.E. (Mechanical Engg.)
- M.E. (Tribology and Maintenance Engg.)
- M.E. (CAD/CAM/CAE)

### Core Subjects
- Mechatronics
- Dynamics of machines
- Machine designing
- Steam and gas turbines
- Refrigeration and air condition
- Thermodynamics
- IC engines

### Major Labs
- Mechatronics
- Vibration and Noise control
- CAD
- Machine Designing
- Refrigeration and Air-conditioning
- Heat and Mass Transfer

### R&D and Consulting
- Mechanical and Tribological Properties of Materials
- Heating, Ventilation, Air Conditioning and Refrigeration
- Manufacturing and Materials Processing
- Mechanics and Vibration
- Acoustics and Noise Control
Industrial and production Engg. department was established in the year 1973, to start the B.E. Program in Industrial and Production Engineering. M.E. Program in Industrial Engineering and Management started in the year 1984. In the year 2003, M.E. in Computer Integrated Manufacturing was also started by the department. The Department is equipped with learned faculty and modern facilities.

The Department has set dimensions in research. In addition to winning national level award, the faculty members have authored number of books which are popular in many engineering curricula of the country. Conducting ISTE sponsored Winter/Summer school and workshop and training programme for executives is a regular feature of the dept.

The department has as exclusive reference library consisting of latest books, and videos. The department has well equipped laboratory in the area of CAD/CAD, FMS, Industrial Inspection, and Industrial Engg. and Ergonomics, Quantitative Techniques, Foundry and Welding. The Department has well equipped workshop for imparting basic training in various trades/manufacturing processes.

The Department has been continuously carrying out consultancy work in the area of production & Industrial Engg. & Management for the past 20 yrs. The department has produced six Ph. Ds and have published 10 books. More than 100 research papers have been published by the department in the last three years.
This department came out as an offspring of Electronics Engineering due to enormous development in the field of Electronics and demand of Instrumentation Engineering at national and international levels. M. Tech. course in Microelectronics and VLSI Design started in 2002 due to the requirement of trained manpower in the field of VLSI. From the year 2012 Part Time course in this Specialization also started to help the industry persons to upgrade themselves. Laboratories are equipped with modern sophisticated instruments procured under the World Bank project TEQIP.

The faculty of the department is well qualified to accept the new challenges in the Electronic and Instrumentation field. Recently three candidates are awarded Ph.D. degree with department as a research center. A Special Manpower Development Program (SMDP-II) is running in the department funded by Ministry of Information and Communication Technology, Government of India. A SMDPVLSI Lab has been set up under this project in the department having EDA tools like Cadence, Synopsis, Mentor Graphics, Tanner, Xilinx etc.

Under India chip program of SMDP project, a two stage CMOS op-amp was designed, fabricated and tested. New ventures for research and product development in area of Biomedical and Optical engineering are also being setup. Faculties of department have taken training from IITs, IISc in the area of VLSI. Students of department are performing well in different competitive exams in addition to good performance in campus placement.

Core subjects
- DCO and peripherals
- Power electronics
- Intelligent instrumentation & control systems
- Fiber optics and photonics
- Analog and digital electronics
- Operating Systems

Departments
Electronics And Instrumentation Engineering

Courses
- B.E. (Electronics and Instrumentation Engg.)
- M.Tech. (Microelectronics and VLSI Design)

Major labs
- VLSI Design lab
- Fiber Optics and Photonics
- Control Systems Lab
- Medical Instrumentation and Analytical methods
- Microprocessor Systems
- Power Electronics Lab
- Filter Design and Simulation

R&D and Consulting
- Ultrawide Band Transreceiver Chip
- Design and Testing of Low Power and Low Noise Static RAMs
- Design and performance analysis of ADC
- Analog and Mixed signal circuit design
- RF IC Design
- Semiconductor devices, Medical Instrumentation, Bio signal processing
- Control system, Process Control,
- Neural networks and fuzzy Logics
The Department was established in 1972 and its first UG batch passed out in 1974. In the view of the large tele-density and in the field of mobile communication in the country and expansion of computer networks, the department started M.E. (Electronics & Comm. Engineering) program in 2003 which has special emphasis in Telecommunication technology. The department is equipped with the state of art equipments and has developed laboratories in related fields.

The department has close interaction with IIT Mumbai in distance education program and CISCO regional academy. The department has well established computing facilities with intranet/ internet connectivity. The Department has actively participated in IMPACT project supported by world bank, swiss dev. corporation (SDC) and Department of Electronics (now named as ministry of information Technology) Government of India, aimed at enhancing educational facilities to provide quality manpower. The department has participated in TEQIP Phase I and also participating in TEQIP Phase II.

The department is QIP/PhD center of MHRD, Govt. of India. Many students and faculty members of the department have received young scientist and other prestigious awards. Many alumni of the Department have pursued M. Tech. and Ph. D. studies in various IITs and abroad after securing high percentile in GATE & GRE.

Courses
- B.E. (Electronics and Telecommunication Engg.)
- M.E. (Electronics and Communication Engg.)

Core Subjects
- Satellite and Radar Communication
- Digital Communication
- Control Systems
- Data structures and operating systems
- Industrial and power electronics

R&D and Consulting
- Signal Processing
- Image Processing
- Wireless Communication and Channel coding
- Design of Digital filters using Soft Computing techniques
- Evolutionary Optimization Techniques in RF and Microwave
- Wireless Sensor Network
- Digital Watermarking & Biometrics

Major Labs
- Satellite and Radar Communication
- Optical communications
- Microprocessors and Microcontrollers
- Telecommunication Switching Systems
- Control Systems
- Peripherals and Interfaces
- Data communication and computer networks
Electrical Engineering Department, established in 1957 has well developed infrastructure and well-trained faculty and non-teaching staff. First postgraduate course in Electrical Engineering started in 1962. Majority of the projects are based on the practical problems of the industries. The Department has laboratories pertinent to these specializations, such as Power Electronics Lab., Drives Lab., Control Systems and Instrumentation Lab, VLSI Design Lab., Microprocessor Lab., Digital and Analog Electronics Lab., DSP Lab, Power System and High Voltage Lab, Machine Lab. A large number of papers are published every year in various Journals and conferences as an outcome of P.G projects. The PG course are supported by Electrical Engineering, Electronics & Telecommunication Engg. and Electronics & Instrumentation Engg. departments.

Courses
- B.E. (Electrical Engg.)
- M.E. (Power Electronics)
- M.E. (Digital Techniques and Instrumentation)

Core Subjects
- Faults and system protection
- Microprocessor and computer
- Analog and Digital Electronics
- Electrical machine Designing
- Instrumentation

R&D and Consulting
- Power Electronics Drives
- Embedded System
- Microprocessor Based System Design
- Industrial Automation
- Voltage Source Converter Based VFC

Major Labs
- Sampled Data and non-linear control system
- Faults and system protection
- Advanced Electrical device
- Power Electronics Systems Lab
- Electrical Machines Lab
- Electrical Measurements and Measuring Instruments
Biomedical Engineering deals with the application of electronic, pneumatic and mechanical instruments that are used in medical science applications. The bachelor's course on Biomedical Engineering in this Institute has started in the year of 2002 with an intake of 60 students. This course covers the Electronics and Instrumentation aspects of medical instruments required for health care. The theory of signal processing applied to medical science such as, image processing, digital signal processing, network analysis, etc. is also a part of the academic curriculum in this course. This course also imparts training to the students for overall design, maintenance and installation of medical instruments in a hospital or a medical R&D centre. This course aims to strengthen the manpower in the area of Biomedical Engineering. Thus, this forms a bridge between Engineering and Medical streams for research & development as well as applications in the regular practices.

Courses
- B.E. (Biomedical Engg.)

Core Subjects
- Bioinformatics
- Telemedicine
- Elements of Human physiology and Anatomy
- Operating systems

R&D and Consulting
- Medical Instrumentation
- Medical signal and Image processing
- Biomedical Optics and Imaging
- Bioengineered Therapeutics, Devices and Drug Delivery
- Theoretical and Computational Bioengineering
- Cellular and Molecular Imaging

Major Labs
- Modeling and simulation of Physiological Systems
- Biomechanics
- Medical Image Processing
- Biomedical Signal Processing
- Medical Laboratory Instrumentation
- Therapeutic Instruments
- Monitoring, Recording and Diagnostic Instruments
The department of pharmacy (Formerly state college of pharmacy) is considered to be one of the best pharmacy schools of central India imparting need based undergraduate and postgraduate pharmaceutical education. Equipped with sophisticated research instruments and lab equipment’s, well qualified and experienced faculty and with a good library, computing and lab facilities it offer four year B. Pharma. Degree and Two year M. Pharm. Degree in industrial Pharmacy and Medicinal and Pharmaceutical Chemistry Specialization respectively and a full time Ph. Ds Degree programme. The faculty members of the department are actively engaged in various research projects with the financial support of UGC, AICTE, and MHRD & MPCST. Over 30 candidates have been awarded Ph.D Degree under the supervision of faculty members. The research papers published/presented by faculty members and research students in various international and national journals/conferences have been widely appreciated. The department has maintained an excellent student placement track record throughout. The Industry Institute Partnership cell (IIPC Pharmacy) sanctioned by AICTE to pharmacy Dept. The department has been actively interacting with the pharmaceutical industries for fostering industry-academia interaction for mutual benefits in various ways.

Courses
- B.Pharm. (Pharmacy)
- M.Pharm. (Medicinal Pharmaceutical Chemistry)
- M.Pharm. (Industrial Pharmacy)

Core Subjects
- Clinical pharmacy and Drug interactions
- Pharmaceutical chemistry
- Bio Pharmaceuticals and Pharmacokinetics
- Pharmacognosy
- Pharmaceutical industrial management and
- Pharmaceutical jurisprudence and ethics

R&D and Consulting
- Targeted Drug Delivery Systems
- Nanotechnology and Nanoparticle
- Parenterals
- QSAR modeling & Simulation
- Computer Aided Drug Designing
- Development and synthesis of new drug molecule
- Activities Improvement of Antibiotics

Major Labs
- Pharmaceutical Chemistry
- Pharmacognosy
- Pharmaceutics
- Pharmacology
- Pharmaceutical Microbiology
The department offers a post graduate programme, M.Sc.(Applied Chemistry) with two specializations i.e. Textile Chemistry and fine Chemicals & Drugs. The Laboratories of the Department are equipped with facilities / instruments to perform experiment and computational facilities with advanced chemistry software to perform molecular modelling and virtual drug design studies in pure and applied chemistry. All most all the faculty members possesses doctoral degree and are actively engaged in research work. The department also provides consultancy and takes testing of Engineering Materials for various industries as a part of Institute Industry Interaction.

R&D and Consulting

- Biosorption of Heavy metals
- Nanotechnology
- Industrial waste water purification
- Non nucleoside Reverse Transcriptase HIV 1 Inhibitors
- Molecular Modeling Studies

Departments

Applied Chemistry

The department has been running a number of collaborative programs at national level with C.A.T., Indore, B.A.R.C., Mumbai, D.A.V.V., Indore and BIRLA Institute of technology, Mesra (Ranchi). The international collaboration with the institute of physics, Humboldt University, Berlin (Germany) has been sponsored by DST , Govt. of India and DAAD, Germany, since 2003. Several research projects funded by DST, DAE, CSIR, AICTE, UGC, NPMMASS, MPCOST, ICMR and DBT with a large number of full time research fellows are either completed or being conducted successfully in the department. In the last six years (2006-2011), 15 Ph.D. theses have been submitted in the area of Nonlinear optics and laser physics, semiconductor Nanostructures and bulk. At present six (06) students are pursuing their PhD from the department. The research group publishes large number of research papers in leading International Journals of USA, UK, Japan and Germany. The PG Students are encourage to take up their major project works at leading national institutes and R&D organizations like IISc, IITs, CEERI-Pilani, CSIR, Chandigarh, DRDO and RRCAT etc. The current areas of research include semiconductor Nanotechnology, Laser physics, coherent Laser spectroscopy, Nonlinear optics, Fiber Optics and Integrated Optics.

Departments

Applied Physics

R&D and Consulting

- Nonlinear Optics
- Optical Tweezers
- Optical Coherence Tomography – Imaging
- Quantum Dots
This department offers M.Sc. (Applied mathematics) with specialization in computational science programme. The faculty of this department has set trends in pursuing quality research at abstract and concrete level. A number of research publications appear in the journal at national and international level. The field in which research is carried out in the departments are: Magnetic Fluids, Bio67, Mathematics, Continuum Mechanics, Optimization Techniques, Inventory Control, Topology, Fuzzy Sets, Network, Fourier Analysis, Summability, Fixed Point Theory, Non-Linear functional Analysis, SQC., Reliability, Computational Fluid Dynamics, Special functions, vibrational Inequality etc. The department is running this course since 1970 with the objective to train students for the application of mathematics to engineering problems. In recent years there has been a wide spread use of computers in engineering design and scientific research. In view of this, we have proposed modified syllabi of M.Sc Applied Mathematics with specialization in computer science with two fold objectives. The modified syllabus will provide in depth knowledge of the core subjects like Discrete Mathematics, Theory of Computation, Graph Theory, Fuzzy Logic, Stochastic Processes etc. which are essential for fundamental research in computer science. The second objective of the course is to train students for engineering problems by simulation, Mathematical Modeling and Numerical methods.

R & D And Consulting
- Fuzzy Topology
- Non Linear Functional Analysis
- Shock Waves
- Operations Research

Core Subjects
- Cloud Computing
- Data mining & warehousing
- E-commerce and information security
- Internet and web technology
- Intelligent systems and ARP
- Operating systems
- Database management Systems

Major Labs
- Object oriented programming
- System administration
- Computer graphics and multimedia
- Software engineering
- Mobile computing and communications
- Data structures and Algorithms

About the department: Department of Computer Technology Applications was established in the year 2001, keeping in mind the increasing demand of computer professionals in the computing world. The department offers one PG programme (M.C.A.) with an annual intake of 60 students. For admission, students have to appear in the state level MCA entrance examination which is held by VYAPAM in months of April – May each year. ii) Vision: The department of CTA fulfills the need of ever growing I.T. Industry by producing competitive, enthusiastic, well-groomed computer professionals. The department aims to fulfill the vision with total commitment from faculty, staff, students. The young faculty of the department is well qualified, enthusiastic, and hard working. The department continuously encourages the faculty to acquire higher qualifications. Pursue research work. Almost 50% of them are working towards their Doctoral Degree (Ph.D) and other higher qualifications.
Department of management Studies was established in the year 2012, keeping in mind the increasing demand of professional managers in the every nook and corner of the world. The department offers PG program with an annual intake of 60 students. For admission students have to appear in National level CMAT entrance Examination held by AICTE twice in a year.

**Induction Programme:** The batch comprises of students from different Universities/streams and with a view to bring all students to a common platform, the institute conducts two-weeks induction programme before the commencement of regular sessions. It is compulsory for all the students to attend the induction programme.

**Pedagogy:** The pedagogy comprises of case studies, projects, assignments, presentations, guest lectures, role plays, field visits, field projects and interactive classroom lectures and discussions. Students are expected to spend considerable time on self study and come prepared for the classes. The teaching-learning process lays emphasis on case studies, industry relevant projects, research and seminar papers.

The Management programme is the flagship programme which moulds students into competent value-driven human beings with a strong grounding in management principles. The programme aims at imparting holistic education incorporating ethics, good governance and social responsibility. The programme instills positive attitudes and values enabling the students to function effectively in a very competitive environment while contributing to the society.

**Finance**
- Advanced Costing
- Asset, Liability & Treasury Management
- Banking and Insurance
- Business Analytics
- Financial Services
- Merchant & Investment Banking
- Mergers & Acquisitions
- Risk Management
- Security Analysis & Portfolio Management
- Strategic Corporate Finance
- Taxation

**Marketing**
- Advertising and Sales Promotion
- Business to Business
- Consumer Behavior
- Market Research
- Product & Brand Management
- Retailing
- Rural Marketing
- Sales and Distribution Management
- Services Marketing
- Strategic Marketing
- Marketing Metrics

**Human Resources**
- Compensation Management
- Competency Based Management
- International perspectives in HR
- Industrial Relations
- Knowledge Management
- Labor Law
- Organization Planning & Development
- Performance Management Systems
- Strategic HR

**Production & Operations**
- Enterprise Resource Planning
- Lean and Six Sigma
- Materials Management
- Operations Management in Service Industry
- Production Planning & Control
- Project Management
Infrastructure

Sports & Gymnasium

Cafeteria

Central Workshop

Auditorium

Central Library

Computer Centre & Language Lab

Medical and Dispensary
Central Library

Central Library was established in 1955 with a small collection of 429 books. Currently, it earns the status of the biggest college library in central India in the field of technology. It is full flagged with standard reference and text books, world reputed International and National research journals, thesis, project reports, audio/visual and electronic learning resources in all disciplines of technical education. It also contains the literature of social sciences and humanities.

The central library has separate building with six major sections for Administrative and Circulation operations, Textbooks collection, Book Bank collection, Reference collection, Journals, Thesis and Reports Collection and Computer section for digital resources. Library is fully automated with 35 computers, 3 servers, Scanner, LAN, Campus Wide Networks (CWN) and associated infrastructure for access of digital resources. All electronic resources available in 2500 CDs are provided on the Campus Wide Network (CWN) through NAS Mirror server. Beside the CDs, Library also purchases approx. 500 online journals covering the field of Engineering, Sciences, Technology and Social sciences. The International Library software with Web OPAC facility is used for house keeping operations of the library. Online Public Access Catalogue (OPAC) of library collection has been provided to user to update their information regarding the holdings of the library resources.
Central Workshop

Workshop was established in 1953 with a vision of providing technical knowledge with practical expertise. It has played a pioneer role to facilitate research, projects & other maintenance activities. It has a wide range of shops to enable the student to understand different forming & cutting processes like:

(i) Machine shop
(ii) Machine tool Laboratory
(iii) CNC machine shop
(iv) Carpentry shop
(v) Smithy shop
(vi) Fitting shop
(vii) Foundry shop
(viii) Welding shop.

Workshop facilitates various UG/PG project of industrial production and mechanical engineering such as Four ball friction load testing machine, vacuum moulding machine, ball mill, hydrostatic bearing machine, cam reduction unit, torque measuring machine, break testing machine, two wheeler engine testing, clutch testing machine, Maruti clutch plate moulding/jolting, pneumatic drilling machine, CO2 moulding machine, shock absorber testing machine etc. and actively participates in many institute level activities.
Computer Center

Computer centre serves the purpose of a common laboratory for all the students in the institute. It also has a server room and provides a shared environment to access various resources like Internet, e-books, video lectures, etc. It offers a large set of application software to the students like MS-Office, Visual Basic 6.0, TurboC/TurboC++, etc. along with additionally installed two operating systems environment Windows XP and LINUX to achieve latest IT trends. It also assists in organizing online tests including placements, etc. In addition, it also facilitates for conducting online counseling for different competitive exams and admission processes.

Language Laboratory

The purpose of the lab is to involve students to actively participate in language learning exercises and get more practice which is otherwise not possible in a traditional classroom environment. The language laboratory offers the following:

- Text, images, audio and video can easily be integrated. Teachers can alter materials to fit their requirements.
- Learners can record their own voice and play back the recordings, interact with each other and the teacher.
- Teachers can intervene and control the learners computers via the teachers console.
- There are various modules like:
  (i) Study skills success
  (ii) Tense Buster
  (iii) Business writing
  (iv) Pronunciation
Sports

Physical recreations through games and sports have always been an important part of the Institute since its inception. Various games like football, cricket, Badminton, volleyball, Throw ball, basketball, chess, Table Tennis, Khokho, Kabbadi, Athletics, Handball, carom and Lawn tennis are played in regular practice. Since 1960, SGSITS is known for glorifying its name and honor, by winning number of awards, trophies and shields at National level, State level and at Nodal level.

The department was also given the responsibility to organize various tournaments at RGPV nodal level and was one of the Nodal centers in Madhya Pradesh. Every year the section has conducted and organized many tournaments at Nodal level intercollegiate and Inter Nodal level Tournaments for different Games. Recently many new more games have been introduced to the students.

Gymnasium

A well equipped gymnasium with all modern facilities like steam bath, etc. along with a large number of instruments marks the eminence of college. Certified trainers are available in open hours that guide you through the process of complete development of body.
Medical and Dispensary

A well managed dispensary is available in the college providing with the basic medicines and treatment at primary level. Also, special rooms are provided for students in case of any accidents or else.

Auditorium

A high mast fully air-conditioned auditorium marks the eminence of college. It was developed as a mark of Golden Jubilee of college. It supports in organizing various presentations, programs, seminars, etc. with capacity of over 400 people. It is well furnished, with modern amenities like audio-visual aids, a good quality sound system, etc.

Cafeteria

Cafeteria offers a wide menu options for dining and proves to be the most energetic place throughout the campus. It serves all the visitors with a special brunch on weekends providing with a high class food available 24*7. It is located in the center of college so as to provide the nearest reach from all parts of college.
Student Life

Apart from academics students of SGSITS spend their leisure time in activities that help them in total personality development. These activities have been related to professional club activity, cultural and literary activity and activities related to sports and gymnasium.

Professional student club Activities

Faculty of SGSITS has been proactively associated in many professional clubs/chapters/sections of IEEE, IEl, ISTE, IGE, IWRS, ASE, IPA, IHPA, APTI, SAE, IIF, IIIE, CSI etc. Faculty has also been encouraging students to open student chapters of professional club in the institute. These clubs are managed by the students and they organize various event related to their discipline. This provides student the industrial exposure and help in developing managerial and entrepreneur skills. Some of these clubs are as following:

SAE collegiate club

Started in 2002 SAE (Society of Automotive Engineers) collegiate club has now 10 years of standing. Students of Mechanical and Industrial and Production Engineering Disciplines are members of this club. This club regularly organizes CAD training programs, Expert lectures, Field visits etc. for members. The club has been participating in all the BAJA events organized by NATRIP from 2007 to 2012. In this event the students develop ATV (all terrain vehicle) in institute and compete with teams from all over the country.

IETE student forum

Electronics and Telecommunications department has recently started IETE student forum for students of Electronics and Telecommunications department with 102 student members. The club objectives are to organize various technical events for their student members. Various activities such as VLSI workshop and expert lectures are being organized in this student forum.

Sports Complex And Gymnasium

Physical recreations through games and sports have always been an important part of the Institute since its inception. Games like football, cricket, Badminton, volleyball, Throw ball, basketball, chess, Table Tennis, Kho-kho, Kabaddi, Athletics, Handball, carom and Lawn tennis are played in regular practice. Since 1960, SGSITS is known for glorifying its name and honor, by winning number of awards, trophies and shields at National level, State level and at Nodal level.
Cultural And Literal Activities

Institute organizes cultural programs ASGARD- Fresher day program in first semester and AAYAAM – Institute cultural program in second semester regularly.

Aayaam

AAYAAM was a mega success with many technical, cultural, social and fun events. Gold medal award ceremony was also organized in which toppers of various disciplines were facilitated. Technical events: (i) Vellum paper presentation (ii) Robotics and Circuit design competition (iii) Bridge design competition (iv) C-coding and similar events (v) Quiz

Cultural events: (i) Art exhibition and Rangoli competition (ii) Solo singing competition (iii) Institute cultural night (iv) Inter-college dance competition (v) SOCH Band performance

Social events: (i) Blood donation (ii) Marathon with theme of “SAVE GIRL CHILD”

Fun events: (i) Open movie theatre (ii) Games stall (iii) DJ stall (iv) Food zone

In addition there were many events such as treasure hunt, mock parliament, bid maestro, adhikar group events etc. Students actively participated and enjoyed the events of AAYAAM 2013.

In addition student in guidance with faculty have initiated the following clubs:

(i) SVTEC- Shri Vivekananda Technical and Cultural Club for enhancing technical and cultural skills in students

(ii) PRATIBIMB- Fine Arts and Photography Club

(iii) ADHIKAAR- is the society by the college students for helping kids of economically weaker sections of society

(iv) RHYTHM - to promote the aspiration of music lovers

(v) SGSITS ROBOTICS CLUB – encourages students to carry out projects in order to learn about new technologies.
Our Recruiters

# 3M Team Security Services

A Acc Concrete
Accenture
Adani Group
Aditya Birla - Vikram Cement
Ador Welding
Akash Institute
AKR Construction Limited
Alpa Labs Ltd
Al Turki Enterprises
Amdocs India
Asia Motors Works
Asian Paints
Atos Origin
AVTEC
Axis Bank
Ayoki Fabrications

B Bharat Oman Refineries Ltd
Barclays Technology Centre India (BTCI)
Birla Capital & Financial Services Ltd
Birla Financial Distribution Pvt Ltd

C Capgemini India Private Limited
Case New Holland Construction Equipment India, CNH
Catalyser Pvt Ltd
Cipla Global Limited
Cisco Systems India Pvt Ltd
Cleartrail Technologies Private Limited
CoCubes.com
Cognizant Technology Solutions
CrafSOL Pvt Ltd
Crompton Greaves Limited
CSC India Pvt Ltd
Cummins India Ltd
Cybage Software Pvt Ltd

D Deloitte
Diaspark Infotech
Dolcera

E Eicher Tractors
Era Group
Essar Group

F Fiserv
Force Motors
Ford
Fractal Analytics

G Gajra Gears Private Limited
Gati-Kintetsu Express (GATI-KWE)
General Motors India Private Limited
Genpact Headstrong Capital Markets
Geometric Ltd.
Glenmark Pharmaceuticals Ltd.
GlobalLogic Technologies Private Limited
Greenway Grameen Infra Private Limited

H HDFC Bank
Headstrong Services India Private Limited
Hella India Automotive Private Limited
Honeywell Automation India Ltd
HotWax Media Pvt. Ltd.
Hyderabad Industries Ltd

I IGATE Global Solutions Limited
Impetus Infotech India Private Limited
Indian Steel Corporation Ltd
InfoBeans Systems India Pvt. Ltd.
Infosys Ltd
Innoeye Technologies Pvt. Ltd.
Intas Pharmaceuticals Ltd
ITC Ltd
Ittiam Systems Private Limited

J J K Cement Limited
Jash Engineering Limited
John Deere India Private Limited
JSW Steel Ltd

K Kirloskar Brothers
Kirloskar Oil Engines
Kirloskar Pneumatics
Kriti Industries
Our Recruiters

L & T Construction Limited
L & T ECC
L & T Infotech
L&T Core

Oracle Finance Services Ltd
Orient Paper

Persistent Systems Ltd
Pfizer Limited
Pinnacle Industries Limited
Piramal Enterprises Limited
Plethico Pharmaceuticals Limited
Prakash Asphaltings & Toll Highways (India) Ltd
Pratibha Syntex Ltd

Sesa Sterlite Limited
Shakti Pumps (I) Ltd
Shapoorji Pallonji & Co. Ltd.
Siemens Networks India Pvt. Ltd
Simplex Infrastructures Limited
Snapdeal.com
Soma Enterprise Ltd.
Sterlite Technologies Limited
Surface Prep Pvt Ltd
Synchem Pharma Ltd
Syntel International Pvt Ltd
Systango Technologies Pvt Ltd
S&P Capital IQ

Ranbaxy Laboratories Limited
RCA Tech, Indore
Reliance Power
RKG Consultant
Ruchi Group

Talent Corner HR Services Pvt Ltd
Tata Consultancy Services Limited
Tata Motors Ltd
TATA Projects Ltd
Tata Technologies Pvt Ltd
Tech Mahindra Limited
Texas Instruments Inc.
Themis Ltd
Themis Medicare Ltd.
Tractors and Farm Equipment Limited (TAFE)
Trident Groups

Unisys
Universal Hunt Private Limited
Uttam Galva Steels

VISA
VE Commercial Vehicles Ltd
Venus Labs Ltd
Videocon Industries Limited
VMware software India Pvt Ltd

WAPCOS Limited
Webaroo Technology India Pvt Ltd
Webdunia.com India Pvt Ltd
Wells Fargo India Solutions Pvt Ltd
Wipro Technologies Ltd
Wipro VLSI
Wockhardt Ltd.

Zensar
The Placement Office sends invitations to Companies/Organizations along with relevant information and interested companies also contact Training and Placement Office for recruitment.

A Company/Organization fills an online Job Announcement Form (JAF) containing details of the job and the offer and other relevant documents like
- Detailed Job Description (With Eligibility Criteria)
- Detailed Service Agreement (if any)
- Data Format in which student information is required (MS Excel would be preferred)

If the Company/Organization is interested in conducting a Pre-Placement Talk (PPT) they can send a request along with the preferred dates and schedule.

The JAF is made available online to the eligible students, along with any other information furnished by Company/Organization and students have the time limit of 3 days to apply for the job opening. On the 4th day data is sanitized and filtered as per the company requirement and within 2 working days data is sent to the company.

Now the company will provide the list of eligible/shortlisted applicants to Training and Placement Office along with the preferred dates and schedule for the campus visit (if PPT and campus hiring procedure is done on different dates).

Campus Hiring Day:
Company/Organization visit the campus on the allotted date(s) and conduct Tests, GDs, Interviews, according to their recruitment process.

Result Declaration:
Result should be declared either immediately at the end of the recruitment process on the same day or within 2 working days. If company is having some different plan of hiring process and declaration of result it must be informed to the training and placement office just before filling the Job Announcement Form (JAF).

Note: Company/Organization must keep Training & Placement Office in loop for all communication during and after placements.
## Placement Team

### Power Equipment And Generation Companies
- Khusboo Manwani (9755022285)
- Shikhar Maurya (8878343101)

### Electronics, Telecommunication and Instrumentation
- Animesh Danayak (9407325845)
- Pratik Pillai (9630770309)
- Vaidehi KhisirSagar (9893184116)
- Yugparth Yadav (9407255020)

### Instrumentation, Biotechnology And Bioinformatics
- Falguni Joshee (9039000283)
- Pulak Gupta (9098445481)

### BFSI And Non Core Companies
- Aditya Maliya (9770325641)
- Sakshi Khandeparkar (8109691850)

### Construction ,Real state and Banking Companies
- Anoop Patel (7509162328)
- Pankaj Mishra (9039919869)

### Manufacturing And Automobile Companies
- Chaya Chaudhary (9406561497)
- Rohan Pandey (8602398716)
- Adarsh Gupta (9755840874)
- Neha Singh Sewach (961036245)

### IT & ITES Companies
- Abhijeet Dixit (8962219270)
- Kritika Singh (9424881250)

### Pharmaceuticals
- Prof. Prakash Soni (8878065156)

### MBA
- Prof. Mayura Kemkar (9893227699)
Contact us

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How to Reach

Distance from Indore Railway Station : 1.3km
Distance from Devi Ahilyabai Holkar Airport : 9.7km

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