

PROSPECTUS



S S I T
TUMKUR

Sri Siddhartha Institute of Technology

(A constituent college of Sri Siddhartha Academy of Higher Education,
Approved by AICTE, Accredited by NBA, New Delhi)

A place to learn : A place to build a career





To reach
the unreached

VISION

To carve technically competent, confident and socially responsible Engineers.

MISSION

To impart fundamental knowledge in science and technology. To create a conducive ambience for better learning and to bring out creativity in the students. To instill managerial, entrepreneurial and soft skills. To evolve as trusted destination for quality technical education positive contribution to meet societal needs to inculcate a Spirit of enquiry , make learning perceptive and rational.



Believe nothing merely because you have been told it or because it is traditional or because you yourself have imagined it.

Do not believe what your teacher tells you merely out of respect for the teacher but, whatever after due examination and analyses, you find to be conducive to the good, the benefit, the welfare of all beings.

That doctrine believe Et cling to and take it as your guide.

Gautam Buddha

OUR FOUNDER

Shikshana Bheeshma

Dr. H.M. Gangadharaiah

Founder,

Sri Siddhartha Education Society,(1959)

Tumkur

The divine power of Knowledge can provide man with the wealth of understanding, the ability to overpower obstacles and the strength to seek the truth. Let this knowledge flow deep into every man in society, thus helping the nation build a better and a more prosperous future.



Sri Siddhartha Academy
of Higher Education,



Dr. G. Shivaprasad
Founder Chancellor
SSAHE- Tumkur



Dr. G. Parameshwara
Secretary
SSES

Accolades :

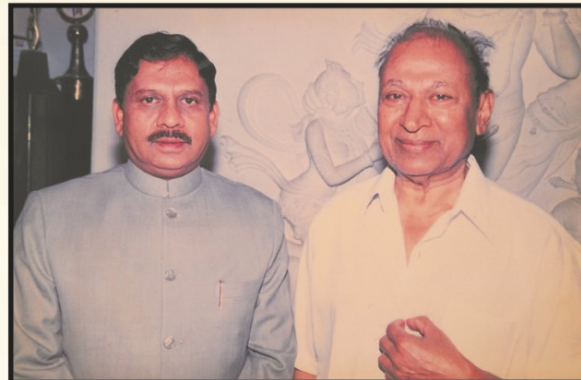
- Recipient (Principal) of the national award for the "Best Principal" of the year 2010- 11
- ◆ Recipient(Principal) of the "Honorary Fellowship" from the Indian Society for Technical education during 2011- 12
- ◆ Best College Performance excellence award given by Indian Institution of Industrial Engg. 2014-15
- ◆ Recipient of Award "Outstanding Engineering Institute South by Vijayavani 2015



VIP Gallery

*global competitiveness
through quality education.*

Provide a Congenial
ambience for learning,
thereby ensuring
creativity in
young minds.





STRATEGIC GOALS

**As SSIT continues to unfold its vision,
the following goals steer the Institute.**

Strategies for implementing student centered education:

- Ensuring full participation of the faculty in teaching learning process.
- Continuing education programs for the teaching faculty, skill development programs for others to enhance their capabilities to be more effective.
- Teaching activities are continually assessed through feed back for continuous professional improvement.
- Ensure student participation in various curricular, co-curricular and extra curricular activities to achieve outstanding academic and personal developments.
- Provide Proctorial services to both Post graduate and undergraduate students for their well being and development.
- We stress on 'INNOVATE THE FUTURE.'
- Assure diverse learning through both in and out of the classroom education through hardware projects, industrial visits and training by Guest lecturers, experienced academicians, researchers and industrialists.
- Create an environment for students to shoulder responsibility for their own academic and personal development through participation in technical symposia, seminars, conferences and other events like Personality development.
- Make students responsible towards society and nation by encouraging their participation in the social service activities-Imbibe in them a sense of 'Professional Ethics'.
- Enhance student creativity by involving them in Academic Activities
- Extend international education to enable students to study abroad through twinning programs and MoU with some leading universities in the world.



OUR INSTITUTE

SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Sri Siddhartha Institute of Technology (SSIT) was Established in the year 1979 with two branches of Engineering, which has now grown as one of the premier, self financing institutions providing an ambient atmosphere for learning, the important place stake holders seek.

SSIT is a constituent college under Sri Siddhartha Academy of Higher Education (A deemed to be university under section 3 of UGC act 1956), Tumkur. Sri Siddhartha Institute of Technology (SSIT) was established with the aim of providing quality higher education on par with international standards. The institute is running 9 UG courses, MCA and 7 PG courses. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis.

The campus has a salubrious atmosphere with students from all corners of the country. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at Sri Siddhartha Institute of Technology (SSIT) in the field of engineering and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters in the campus are a constant source of pride.

The SSIT campus is situated in a sprawling 55 acres land in the calm sylvan environs of Maralur. Tumkur is about 70 Kms from Bangalore. Every 5 minutes, state transport buses ply between Bangalore and Tumkur and the train frequency is equally good. Indeed, it is 70 minutes drive from Bangalore. In its commitment to the socio-economic contribution, the institution conducts regularly several social welfare measure programs such as Prime Ministers Rojagar Yojana, Entrepreneurship programs, Programs for Sree Shakti Mandals (Women Organizations). The campus is completely Wifi Zone internet bandwidth existing in the campus is 185 Mbps leased line circuit.

We were recognized as a better performing engineering college by the Government of Karnataka (14 colleges were chosen in the state) and the world bank financed us under TEQIP (Technical Education Quality Improvement Programme) during 2004 - 2009 we did exceedingly well in the programme. At the closure of the scheme, we were rated at 9.4(on a scale of 10).

Considering our past performance we have been sanctioned TEQIP-1.2. The main objective of TEQIP-1.2 is to 'Expand the PG studies and research activities'. To augment the facilities that were created during TEQIP-1, financial assistance of 4 crores were sanctioned again. Apart from improving research activities aimed, we would also make this college 'a center of excellence'.



TUMKUR



Dr. M S Raviprakash
Principal, SSIT

MESSAGE FROM PRINCIPAL

Sri Siddhartha Institute of Technology is one of the premier institutes in Karnataka. It has been dedicated to the cause of knowledge, understanding, skill development and applications since its inception in 1979 by "Shikshana Bheeshma" Dr H M Gangadharaiah. SSIT is a Constituent college of Sri Siddhartha Academy of Higher Education, Tumakuru (A Deemed to be University under section 3 of UGC Act 1956). It was established with a aim of providing quality higher education on par with international standards. The motto is "To Reach the Unreached".

The institution is running 9 Undergraduate, 7 Postgraduate, MCA and PhD programme in all branches of engineering and Basic Science. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. Our institution is providing an ambient atmosphere for learning with a very strong and dedicated team of educators. Visvesvaraya Technological University has accorded Autonomy to our institution in the year 2007. Among the 200+ engineering colleges in Karnataka, only 14 colleges were recognized as better performing institutions. Sri Siddhartha Institute of Technology is one among them, chosen by the world bank through Government of Karnataka for implementation of its programs under TEQIP (Technical Education Quality

Improvement Program). We got the financial assistance of Rs 15 crore and we did exceedingly good in the program.

Our college has been accredited with A Grade by NAAC, and most of the branches by NBA which provides some scale of reference to assess the quality and standard of education. We provide a host of educational programme and committed in enhancing the quality of service delivery, providing practical cum industry-oriented programs and ensuring an ambient environment for students. All programs offered by our institute follow the Choice Based Credit System (CBCS) with Outcome Based Education Approach. We provide an appealing and stimulating curriculum that is flexible and tailored to the needs of the industry as we strive for high educational outcomes. The evaluation mechanism employed is continuous assessment with grade point average.

We strongly promote academic achievement among our students. The holistic and comprehensive education provided in the college will enlighten the students and enable them to become employable. Students graduate with an intellectually and technologically sound wisdom. Over the years, we have accomplished this with the participative efforts of the management, staff, students, parents and all stakeholders.



Strategies for an intensified research endeavour

- ◆ To extract benefits from our multidisciplinary strengths SSIT continues to develop innovative research methodologies in all areas of Engineering.
- ◆ Continual efforts to maintain top-notch position among elite national institutions.
- ◆ Offer incentives for those involved in promoting Research activities.
- ◆ Provide state-of-the art facilities and laboratories to perform outstanding research.
- ◆ Establish collaborations with multifunctional organizations for intensified research in problem focused areas.
- ◆ Write proposals for the financial and technical sanction.
- ◆ Strengthen the ALUMNI activities and acknowledge top notch ALUMNI so as to get enough support

Strategies for amplification of regional and global outreach:

- ◆ Involving in multi disciplinary research activities (including Engineering, Medical and Dental discipline)
- ◆ SSIT employs multidimensional alliances and networks to further economic and environmental development at a local and global scale.
- ◆ Extend the technological progression for eco-sustainable growth.
- ◆ Active association with renowned national and international organizations for sustained economic development.
- ◆ Laying stress on STEP activities and encouraging entrepreneurs.
- ◆ Strengthen the activities of the Technology Business Incubator as a model in cultivating and commercializing newly developed technologies.
- ◆ Strategies for facilitating of discerning educational technologies providing Intranet as also e-learning facilities.
- ◆ Explore innovative information and digital technologies to continually make SSIT a leader in education, research, social service and campus administration.
- ◆ Apply modern educational technologies like video conferencing to enhance educational experiences with internationally renowned professionals - e-classroom, chatting and interactive facilities through internet.
- ◆ Ensure the availability of e-journals and e-books enabling the SSIT community to enrich their knowledge and research acumen.
- ◆ Develop and maintain advanced technological infrastructure to help disseminate state-of-the-art knowledge to students and to the society at large.

STRATEGIES FOR EFFECTIVE ADMINISTRATION:

A PLACE TO BUILD A CAREER: Over the years SSIT has shaped the careers of many pupil in technology-based industries as well as non-technical industries. Our attention to the individual - from both technical as well as ethical perspectives has made unique contributions to society. We move forward gaining strength from our past history and launch our future programs.

Graduates and Research Infrastructure:

When research percolates, it enhances the teaching process. As such a strong Post Graduate Research Infrastructure is created and developed to inspire Research Programs.

Undergraduate Infrastructure

We gauge our progress through the level of faculty and student engagement in learning, retention, success of student teams in professional competitions, quality and diversity of service projects, post-graduate success and faculty contributions to the profession and community. Students seek admission at SSIT for an all round education that is technically sound and charged with a sense of social responsibilities.





SSIT plays a pivotal role in the university's quest, to be recognized as one of the best performer.

CURRICULAR ASPECTS

Name of the Branch	Intake
Civil Engineering	120
Computer Science & Engineering	120
Electrical & Electronics Engineering	120
Electronics & Communication Engineering	120
Industrial Engineering & Management	40
Information Science & Engineering	120
Mechanical Engineering	60
Medical Electronics Engineering	30
Electronics & Telecommunication	60
Master of Computer Applications	60
M.Tech (Digital Electronics)	18
M.Tech (Thermal Power)	18
M.Tech (Product Design & Manufacturing)	18
M.Tech (Computer Aided Design of Structures) (CADS)	18
M.Tech (Computer Science & Engineering)	18
M.Tech (VLSI & Embedded Systems)	18
M.Tech (Computer Application in Industrial Drives)(CAID)	18
Minimum credits to earn a UG Degree:200	
Minimum credits to earn a PG Degree: 100	

Accreditation:

All Programs are Accredited by NBA New Delhi and approved by AICTE.

MoU's Signed:

- ◆ St. Louis University
- ◆ Wipro-Mission IOX
- ◆ Infosys-Campus Connect
- ◆ Tata Consultancy Services
- ◆ Keane India

Study Centers:

- ◆ Indira Gandhi National Open University (IGNOU)
- ◆ Karnataka State Open University (KSOU)

CIVIL ENGINEERING

Objective

Civil Engineering plays a vital role in urban and rural planning and infrastructure development. This course prepares students to design and construct structures which include the residential, Industrial, transportation, infrastructure development commercial projects and ventures.

The course is divided into Eight semesters with theoretical and practical training, civil engineers are employed for planning, designing and execution of various national and international projects in construction firms & various Government department In the department we have well qualified faculty & experienced members which is a strength of the department. The department is equipped with modern equipments catering to the requirements of UG and PG courses. The department also offers consultancy service to the government and various private agencies.

Programme offered

B.E (Civil Engg.)

M.Tech (Computer Aided Design of Structures (CADS)

PhD in Civil Engineering



MECHANICAL ENGINEERING

Objective

Mechanical Engineering plays a pivotal role in mechanization and infrastructure development. This Course enables students to plan and design the manufacturing, Industrial systems, maintenance and control of equipment in the energy sector, automobile and aeronautical fields etc,

The course is divided into Eight semesters with theoretical and practical training along with mini projects.

Programme offered

B.E

M.Tech (Product Design & Manufacturing)
(Thermal Power Engineering)

PhD in Mechanical Engineering



ELECTRICAL AND ELECTRONICS ENGINEERING

Objective

Electrical engineering plays an important role in power generation, transmission and distribution. This course prepares the students for planning, commissioning and testing of power systems. The course is divided into eight semesters with theoretical and practical training along with industrial and power plant visits.

Electrical engineers are employed in Electrical Utility industries and various national and international electrical equipment manufacturing companies, Research & Development Organizations and as academicians.

Programme offered

B.E

M.Tech (Computer Application in Industrial Drives)

PhD in Electrical and Electronics Engineering



TELECOMMUNICATION ENGINEERING

Objective

Telecommunication engineering is of paramount importance in the technological avenue for connecting people in a common platform. The department was established in 1992 and is grown as center of excellence in the area of communication engineering.

The aim of the programme is to develop enterprising professionals who will have to know scientific and theoretical aspects how to meet the challenges of IT and Telecom Industries. Necessary skills are imparted to ensure that the graduates will have sound knowledge in broadcasting, data communication, networks and telecommunication policies.

Programme offered

B.E



INDUSTRIAL ENGINEERING AND MANAGEMENT

Objective

The Department was started in 1984 with a view of integrating Engineering with Managerial skills to boost the growth of the Industries. This Program train and impart Managerial and Technical skills to young Engineers which enables them to steer ahead in industries and research Organizations of Global standards.

The Program Educates the budding engineers to find the most effective and efficient methods, Procedures and processes in manufacturing and Management domain.

Programme offered

B.E

M.Tech (Product Design & Manufacturing)



COMPUTER SCIENCE AND ENGINEERING

Objective

The department was started in the year 1985 and is committed to develop innovative, competent and quality computer engineers who are well versed with state-of-the-art technology and technical knowledge. The department has been recognized as a renowned academic and research centre, catering the needs of student community in the area of Networking, Artificial Intelligence and Data mining technologies. The objective is to develop consultancy activities for industrial sectors and continuously enhance the technical expertise of students to cater to the needs of the society. The department has excellent infrastructure, laboratories with dedicated team of qualified faculties. The courses have been designed keeping in mind the needs of IT industries.

In view of world wide shortage of skilled man power in IT industries, the department strives to channelize talented youth of the region to this challenging and knowledge intensive field by imparting quality technical knowledge and skills in this field.

Programme offered

B.E

M.Tech (Computer Science & Engineering)

PhD in Computer Science & Engineering



INFORMATION SCIENCE AND ENGINEERING

Objective

Information Technology (IT) has been an instrument of revolution in the computation and communication process. IT has been the backbone of the Technological upheaval which has completely changed the way people think and act. The long-term benefits for the global economy are tremendous in the years to come. The department was established in 2000 to fulfill the increased demand for highly qualified IT professionals for industries as well as academic institution.

- ★ Aspirants are trained in the field of information collection, processing and transmission technologies to face the challenges of the IT Industries.
- ★ Students are imparted with the skill to use technology to solve the problems and help the society inturn.
- ★ Students are nurtured to take up Entrepreneurship.

Programme offered

B.E



MEDICAL ELECTRONICS ENGINEERING

Objective

The prime objective of Medical Electronics course is to apply latest electronic, instrumentation and computer skills and application for the betterment of medical field to serve mankind.

To serve as valuable resource for industry and society, enhancing the human values and to sustain the heritage of nation. It also provides students with the fundamental knowledge, interdisciplinary problem solving skills and confidence required to excel in their chosen profession and be leaders in a global environment.

The course is divided into four years spanning eight semesters with practical training and theoretical coaching. It provides unique job opportunities for younger generation in biomedical industries.

Programme offered

B.E



MASTER OF COMPUTER APPLICATION

Objective

Master of Computer Application (MCA) is a three-year post graduation course. The course aims in meeting the rising demand for qualified professionals in the field of information Technology. As the course tends towards Application Development, more emphasis on latest programming languages and tools is given. The course focuses on providing sound theoretical knowledge as well as good practical exposure to students. It is intended to provide a modern, industry-oriented education in applied computer science. The course significantly emphasizes on planning, designing and building of complex commercial application software. During final semester, students are encouraged to carry out their project work in IT Industries giving them insight into the workings of IT World. Thus, the three year full time course promotes industry-Institute interaction to make students best fit in the Industry.

Programme offered

MCA





LIBRARY-A STOREHOUSE OF INFORMATION

Central Library has been built to international standards and spreads over four floors for reading and reference, five floors for stacking with an area of 2945 Sq.m. Specialized collections of books, Journals, E-resources Non-book materials are available in Basic Sciences, Engineering and Technology, Humanities and Social Sciences, which are required as per requirements of engineering and management syllabus.

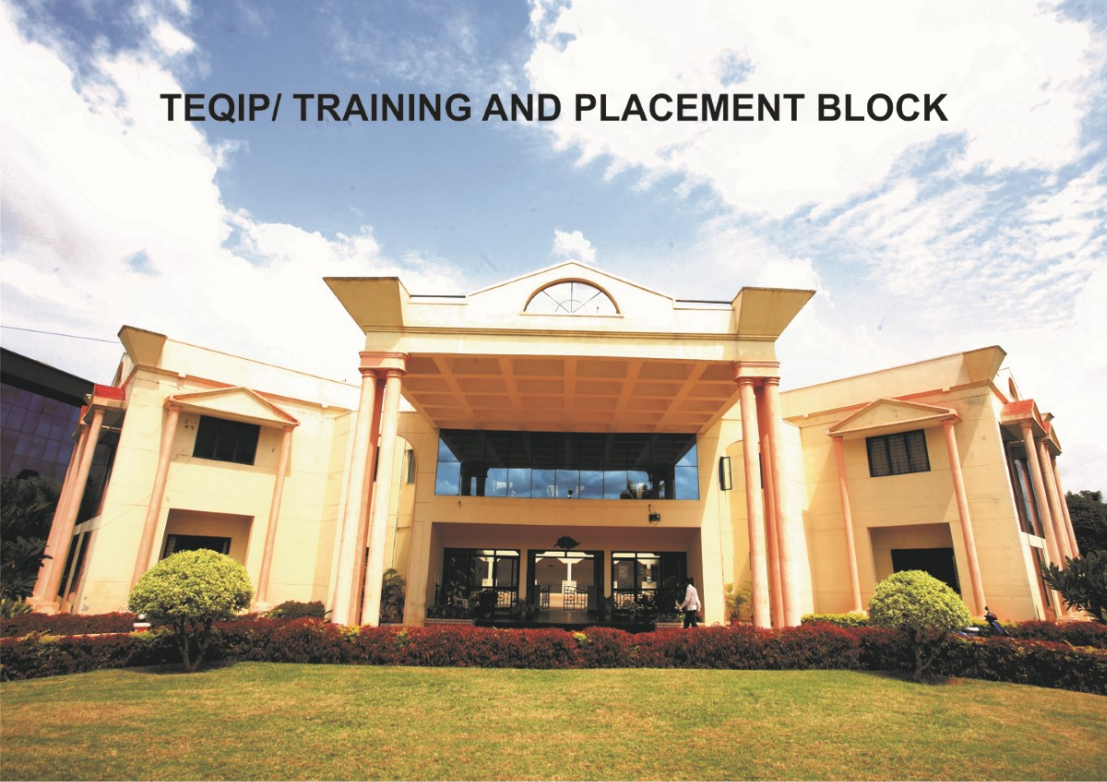
Central Library is replete with 24,990 Titles, 84602 Volumes of Books, 1467 Back Volumes, 4000 CDS, 1200 DVDS and 130 Audio Cassettes.

Sri Siddhartha Institute of Technology (SSIT), subscribes to 216 National and International Journals and provides DELNET services,

"Great Libraries always evoked to both the future and the past"

- Laura Shapiro

TEQIP/ TRAINING AND PLACEMENT BLOCK



P.G. BLOCK



(STEP) SCIENCE & TECHNOLOGY ENTREPRENEUR PARK



AUDITORIUM





GUEST HOUSE



BOYS HOSTEL



GYMNASIUM



LADIES HOSTEL



Sri Siddhartha Vocational Training Center



CAFETERIA



CANTEEN

SRI SIDDHARTHA GROUP OF INSTITUTIONS

1. Sri Siddhartha Medical College	1 No.
2. Sri Siddhartha Institute of Technology	1 No.
3. Sri Siddhartha Dental College	1 No.
4. Sri Siddhartha Institute of Management Studies	1 No.
5. Sri Siddhartha Centre for Media Studies	1 No.
6. Sri Siddhartha First Grade College	1 No.
7. Sri Siddhartha College of Nursing	1 No.
8. Sri Siddhartha College of Education (B. Ed)	1 No.
9. Sri Siddhartha College of Education (D. Ed)	2 Nos.
10. Sri Siddhartha Institute of Business Management	1 No.
11. Sri Siddhartha College Hostels	11 Nos.
12. Sri Siddhartha Junior Colleges	6 Nos.
13. Sri Siddhartha Industrial Training Institutes	2 Nos.
14. Sri Siddhartha High School Et Hostels	33 Nos.
15. Sri Siddhartha Sanskrit School	9 Nos.
16. Sri Siddhartha Pali School	1 No.
17. Sri Siddhartha School of Nursing	2 Nos.
18. Sri Siddhartha Nursery Teachers Training Institute	2 Nos.
19. Sri Siddhartha Higher Primary School	1 No.
20. Sri Siddhartha Convent School	1 No.

Sri Siddhartha Institute of Technology

Maralur, Tumkur - 572105, KARNATAKA, INDIA

(A Constituent College of Sri Siddhartha Academy of Higher Education, Under Section 3 of UGC act 1956)

Approved by AICTE, Accredited by NBA, New Delhi

Accredited 'A' Grade by NAAC New-Dehli

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Be Proud to join our Siddhartha Family