



Sri Siddhartha Institute of Technology

The year 1947 saw India win its freedom. The nation had to be rebuilt from ruins to achieve its former glory and regain its rightful place in International scenario. Education was acknowledged as main trust area. Late Sri H.M Gangadharaiah, a staunch Gandhian and Buddhist, decided to address this cause. He envisioned an educational establishment which will disperse the seeds of knowledge and build a more intelligent society. Sri Siddhartha Education Society (S.S.E.S) was established in the year 1959 with the warm blessings of the father of Bhoodan movement, "Saint Vinobha Bhave" with the objective of providing education to the student community coming from rural areas and backward classes.

Today SSES is considered among Karnataka's Premier educational establishments. Highly regarded for its excellent infrastructure and quality faculty, it is widely recognized among India's academic circle. Led by Dr. G. Shivaprasad, a postgraduate and an eminent apthalmologist and Dr.G . Parameshwara, a Doctorate in Agriculture from Australia, SSES continues to march forward on the ideals set by their father, Late Sri Gangadharaiah. Their commitment to nation building remains the same. SSES has 84 educational establishments under its aegis spread across

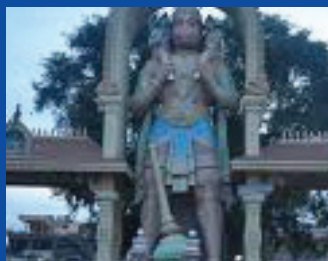
the southern part of Karnataka. Institutions including Engineering College, Medical College, Dental College, College of Education, First grade College, TCH College, College of Nursing, Junior Colleges, Training Institutions. Sanskrit Schools, Pali Schools and Number of High Schools in several districts in Karnataka State. These educational Institutes Promote excellent training from primary schooling to professional course and also helps to preserve the ancient heritage of india. Its Silver Jubilee was celebrated in the year 1984 with the then Hon'ble President of India, Sri Giani Zail Singh as the Chief Guest.

VISION : To Provide the sense of creativity, talent and knowledge to young mimosas in the blooming garden of technology. We are here to provide an environment of high academic ambience to mould young minds and make them capable of welcoming the future with vigour.

MISSION: The devine power of Knowledge can provide man with the wealth of understanding, the ability to overpower obstacle 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 more prosperous future.

About Tumkur

Tumakuru (formerly Tumkur) is the district headquarters of Tumakuru district, which is known as City of Education and City of Coconuts. It is one of the industrial city located in the state of Karnataka. Since 28 August 2010, Tumakuru has been accorded the status of a City Corporation. It is situated at a distance of 70 km (43 mi) northwest of Bengaluru. It is the headquarters of the Tumakuru district. Tumakuru plays host for India's first mega food park which is a project of the ministry of food processing.



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TOPICS

THEORETICAL COMPUTER SCIENCE:

- Algorithmic information theory
- Analysis of algorithms and problem complexity
- Approximation Algorithms
- Clustering Models
- Computability theory
- Computational Game Theory
- Computer Architecture
- Computer Networks Architecture
- Computer System Implementation
- Cryptography
- Distributed Computing Architecture
- Fault Tolerance
- Formal languages
- Formal semantics
- Human Computer Interaction
- Information Theory
- Internet architecture design
- Logics and meanings of programs
- Machine Learning
- Mathematical logic
- Optimization methods
- Query Optimization
- Rendering Algorithms
- Security and protection
- Software Agents
- Systems Performance Analysis
- Theory Behind Databases
- Theory of computation
- Transactional Coherence and Consistency
- Type theory
- Virtual Human Simulation

COMMUNICATIONS THEORY:

- Adaptive Modeling
- Coding Theory And Techniques
- Communications Protocols
- Demodulation
- Fading Channels
- Filtering Techniques
- Internet Architecture Design
- Modulation
- Multiplexing
- Network Management
- Noise Reduction
- Optimization methods
- Queuing Theory
- Security and protection
- Synchronization
- Transmission Diversity
- Wireless Networks

COMPUTING APPLICATIONS:

- Cloud Computing
- Computer Security
- Computer-aided engineering
- Computers in Medicines
- Computing in Chemistry
- Computing in Life Sciences
- Computing in Physics
- Computing Medical Sciences
- Database Management Systems
- Distance Learning
- Ethics in Computing
- Green Computing
- Grid Computing
- Hacking
- Intelligent Computing
- Internet of Things

- Management Information Systems
- Mathematical Software
- Numerical Analysis Applications
- Operation Research Applications
- Pervasive Computing
- Social Computing
- Social Networking
- Software Engineering
- System Software
- Ubiquitous Computing

APPLICATIONS OF COMMUNICATION:

- 3G Communication Networks
- 4G Communication Networks
- Antenna Applications
- Broad Band Communication
- Cloud Computing
- Communication Security
- Computer and Intelligent Communication
- Distributed Computing
- Embedded Wireless Systems
- Energy Efficient Routing & Traffic Engineering
- Microwave Communication
- Mobile and Optical Networks
- Mobile Communication
- Modeling & Simulation of Communication Systems
- Network Architecture & Protocol
- Network Security
- Optical Communication
- Satellite Communication
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- Wired Communication
- Wireless Communication
- Wireless Sensor Networks

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