SURYA

SCHOOL OF
ENGINEERING AND TECHNOLOGY
MANAGEMENT STUDIES
PHARMACY
ARCHITECTURE

PROSPECTUS

SURYA GROUP OF
INSTITUTIONS

Villages are nations veins
Without rural education
development efforts
are vain.

- Dr. C.N. Annadurai

Content

Rural India discovered its educational rights long before and now it is discovering its opportunity through a Global standard education.

-Dr. P. Gauthama Sigamani
Chairman

VISION

Empowering Rural India With Quality Education

MISSION

Our mission is to

CREATE opportunities, access to the best training and methodologies of international standards

REACH quality education to the deserving

BRIDGE the rural-urban divide in the country by providing the best opportunities and

EMPOWER the youth to become visionary individuals who will lead the Nation.

THE SURYA ADVANTAGE

- State-of-the-art, on-campus facilities
- Practical and industry-oriented education and training
- Highly experienced and dedicated academicians and professionals
- Strategic tie ups with industry leaders
- Regular industry interactions
- Language, communication and personality development labs
- Strategic location in the heart of Tamil Nadu State-well connected by rail and road
- Full-fledged and guaranteed placement assistance
- Active participation in rural and community building initiatives
- Extensive scope for research and development
- A 300-seater mini air-conditioned auditorium (Kalaignar Karuthaivu Koodam)
- Synthetic Basket Ball and Tennis Court with 55.1x36.7sqft
  Indoor stadium for Basket Ball Court 60X100sqft and Billiards and Snooker for
  co-curricular and extra-curricular activities
- A memorable college life that combines the best of both world's learning &
  extracurricular activities for holistic growth

THE GROUP

MANAGEMENT TEAM

Dr. Suthanthiradevi. S
Member

Dr. Balasubramaniam. K
Member

Dr. Kannamma. B
Member

Dr. Gauthama Sigamani. P
Chairman

Dr. Ashok Sigamani. P
Member Secretary

Dr. Kavitha K. S
Member

Dr. Priya Kalyani. B
Member

Dr. S. Santhi
Director

Dr. P. Gauthama Sigamani
Chairman

THE VISIONARY TEAM

A young and spirited visionary with a never-say-die attitude Gauthama Sigamani is following his dream of reaching out to all the deserving youth of rural India. He has dedicated his life to create an institution for quality technical, sciences & management education and research studies that should reach the deserving wherever they are — be it rural or urban India.

The chairman is supported by a visionary management board, thought leaders, industrialists, scientists, technocrats, educators and backed by a sound management, highly qualified professionals as professors and staff members, modern classrooms, state-of-the-art infrastructure and facilities.

Dr. Ashok Sigamani. P
Member Secretary

"It is Mahatma Gandhi the father of our nation who dreamed for rural India. He strongly believed that the real India is in her villages. We believe in his vision and strive to realize his dream through our innovative rural community centric education. Empowering our rural youth with never before opportunities will give them the strength to create their own independent, self-sustaining communities-the new India."

MANAGEMENT

5

SURYA
GROUP OF
INSTITUTIONS

School of Engineering & Technology

The flagship institution of the Surya Group, the institution is one of the most advanced in the state of Tamil Nadu to provide high quality & cutting-edge engineering education. With an excellent academic track record, the first batch of successful graduates who are already well placed in leading corporates stand testimony to the institution's success.

Dr. S. Santhi B.Sc.,B.Tech.,M.E.(Hons),Ph.D.(IITM)
Director

Prof. S. Ramkumar M.E.,(Ph.D)
Dean

B. E. Degree Courses

Aeronautical Engineering
Automobile Engineering
Civil Engineering
Computer Science and Engineering
Electrical and Electronics Engineering
Electronics and Communication Engineering
Mechanical Engineering

B. Tech. Degree Courses

*Information Technology

PG Courses

*M.E. (CAD/CAM)
*M.E. CSE

* Awaiting AICTE Approval

MINIMUM MARKS

	SC/ST	MBC/DNC	BC/BCM/BCC	OC
H.Sc. (Academic) or Equivalent a. Mathematics b. Physics c. Chemistry	Passing Minimum	40%	45%	50%
H.Sc. (Vocational) or Equaivalent a. Related Subjects b.Vocational Subjects	Passing Minimum	40%	45%	50%
Diploma Holders a. Pre-final Semester b. Final Semester	Passing Minimum	40%	45%	50%

ELIGIBILITY

For Admission to B.E. /B.Tech. Degree Courses

The Candidate should have passed the twelfth standard of Tamil Nadu H.Sc. (Academic) or an equivalent examination recognized by Anna University of Technology, Chennai with Mathematics, Physics and Chemistry. The candidate should have passed the diploma examination in Engineering /Technology of the State Board of Technical Education and Training, Tamil Nadu or an equivalent examination for direct admission to second year (Lateral Entry)

Number of appearances, minimum marks and other criteria for admissions to B.E./B.Tech. course are as per AICTE and State Government Norms.

GENERAL CONDITIONS

1. Candidates from other states will be considered as belonging to OC only, irrespective of their community for the purpose of considering minimum eligibility marks.

2. Application for admission should be made in the prescribed form available along with prospectus. Filled in application forms along with a non-refundable registration fee as stipulated should be sent to the office of the Director, Surya Group of Institutions, Chennai Main Road, Vikkiravandi, Villupuram District-605652

3. Tuition and other fees prescribed by the college should be paid in full before the stipulated date. Fee once paid will not be refunded on any account. If any student wishes to leave the course in the middle he/she shall pay the full tuition fee prescribed for the course. Students rusticated from the colleges shall forfeit all the fees paid.

4. The decision of the management will be final in all matters relating to admission, training and discipline and will be binding on all the concerned parties.

COLLABORATIONS

MOU WITH ORACLE UNIVERSITY
The Institution has signed an MoU with Oracle University - WDP (Workforce Development Program Partnership Agreement) on 02.05.2010 to provide Oracle Certification on OCA, OCP and OCM.

MOU WITH BSNL
To give students the edge when they graduate, Surya Group of Institutions/ School of Engineering & Technology has partnered with India's largest telecommunications network, Bharath Sanchar Nigam Limited (BSNL).

The Institution has signed a memorandum of understanding with BSNL on 06.12.2008 to provide In-plant training to the students. Moreover, most of the value added service of BSNL are provided free of cost, giving students access to the latest, state-of-the-art technologies.

MOU WITH SOONGSIL UNIVERSITY, SOUTH KOREA
The Soongsil University, Seoul and the Surya Group of Institutions/ School of Engineering & Technology, Villupuram, exchanged a MoU to promote relationship between the two institutions and to develop academic exchange in the area of education, training and research.

DEPARTMENT OF AERONAUTICAL ENGINEERING

An Aeronautical Engineering degree can be your passport to a successful and rewarding career within the aerospace industry. An aeronautical engineering degree involves research and study on the design, manufacture and maintenance of highly sophisticated aircraft, missiles and space satellites. A highly challenging and demanding course, students who have exceptional analytical and technical knowledge can see their career take off instantly after graduation.

Furthermore the aerospace industry provides an environment for innovation, excellent career development along both the technical and managerial routes.Our aim is to prepare the young aeronautical engineers for success and leadership in these areas through innovative educational programs with practical orientation.

The Department of Aeronautical engineering equips students with sound technical and practical knowledge and also helps develops transferable skills such as oral and written communication, teamwork, analytical skills and time management, all of which provide a sound basis for employment in the aerospace industry.

Courses Offered in this department

B.E. Aeronautical Engineering

Activities
Students Symposium

The national level student's symposium is conducted once in a year to encourage the students research activities and interpersonal skills.

Workshops

Conferences, Workshops, Staff development programs are arranged by the department to give enough knowledge in the significant fields to the student community and staff.

Industrial Visits

Industrial visits to popular Aerospace companies such as Hindustan Aeronautics Limited (HAL) Bangalore, National Aerospace laboratories (NAL), ADA Bangalore, IAF Chennai, ISRO Sriharikota A.P. are arranged annually.

Recognition / Awards

The department is in the process of implementing ISO 9001 standard quality systems from the forth coming academic year.

DEPARTMENT OF AUTOMOBILE ENGINEERING

The Automobile industry in India has driven the economy on a rapid growth path over the last couple of decades and in recent years it has also captured the attention of the whole world with innovative products created in India. Today, India is well known as one of the strongest automobile markets in the world and has promising careers for aspirants. The main works of automobile engineers contributing to the manufacture and testing of the vehicles.

The automobile engineering branch of Surya School of Engineering and Technology is ready to meet the current needs of the modern automobile industries. The course involves the study of design, manufacture and operation of automobiles like cars, buses etc. Automobile engineering can also be grouped under Vehicle engineering.The Department of Automotive engineering prepares students for specializiation in the field of vehicle engineering, which includes three major fields of study: production, development, and manufacturing.

The syllabi is modern and caters to the rapidly advancing sector and gives students adequate exposure to the latest technological and computer-based components and systems. Our labs are well equipped to support focussed research on determining the best attributes for a particular car or future vehicle, developing standards and codes for efficient production, determining costs and implementing procedures to reduce manufacturing costs, introducing and developing new techniques and systems for automotive production, ensuring governmental regulations are followed during all steps of production, determining 'driveability' and implementing quality control techniques and procedures, solving automotive engineering problems, and conducting statistical analysis as needed.

Courses Offered in this department

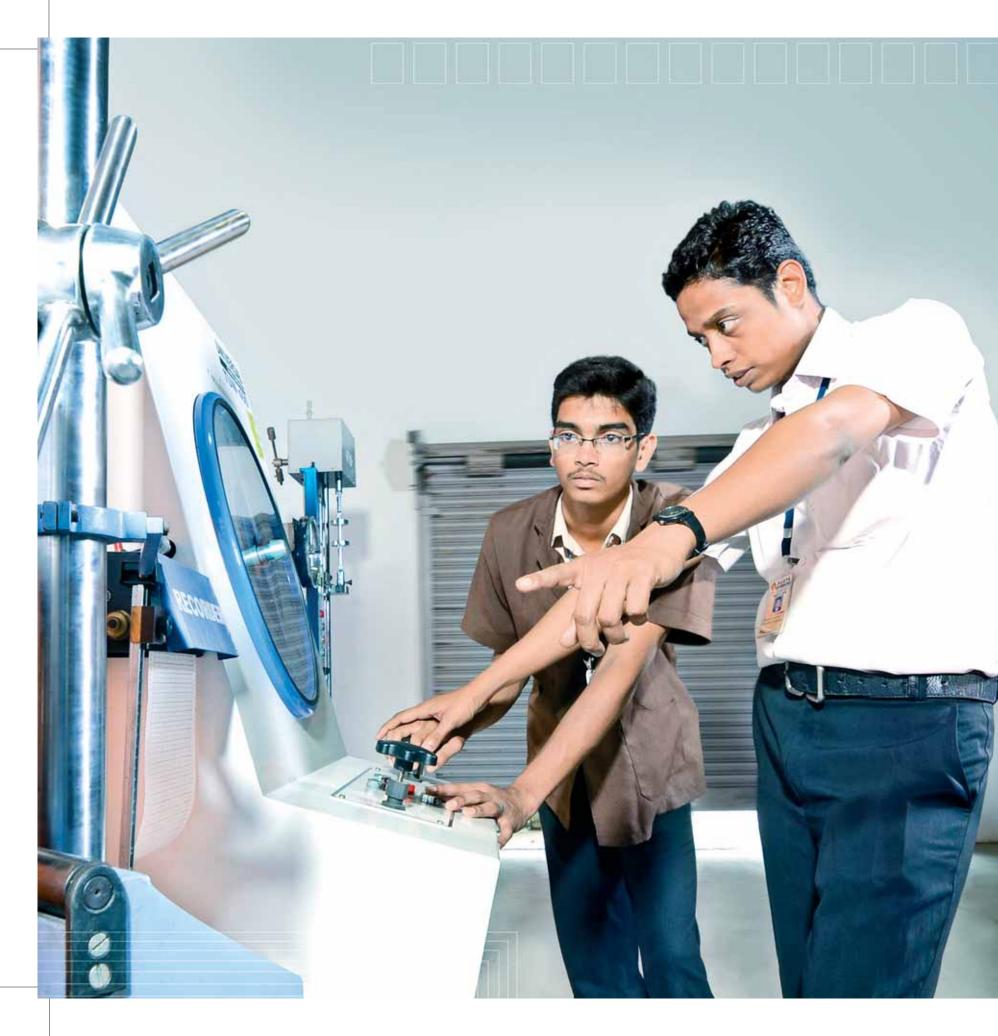B.E. Automobile Engineering

Activities

Students Symposium

The national level student's symposium is conducted once in a year to encourage the students research activities and interpersonal skills.

Workshops

Conferences, workshops, Staff development programs are arranged by the department to give enough knowledge in the significant fields to the student community and staff.

Industrial Visits

Industrial visits to Ford India Ltd.,Chennai, TVS,Lucas Chennai, Ashok Leyland,Chennai have been organized. Visits to other leading automobile companies will be arranged in the forthcoming year.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is built on a strong foundation that aims to create outperforming civil engineers through advanced state-of-the-art teaching techniques and learning aids for the undergraduate students.

Students are not only made experts in the technical aspects but also shaped in interpersonal skills, a vital ingredient to excel in this world-building discipline. The undergraduate program complies to work hands-on with the industry to impart value-based education to attain mastery in the field of civil engineering besides knowledge in computers, management and economics. Students gain practical experience from field visits to industries, dams and irrigation structures, construction sites, etc.

Courses Offered in this department

B.E –Civil Engineering

Activities

Staff and students present papers in national and international conferences and publish in national and international journals. A technical symposium, seminar, paper presentations and industry – institute interactions keep the department abuzz.
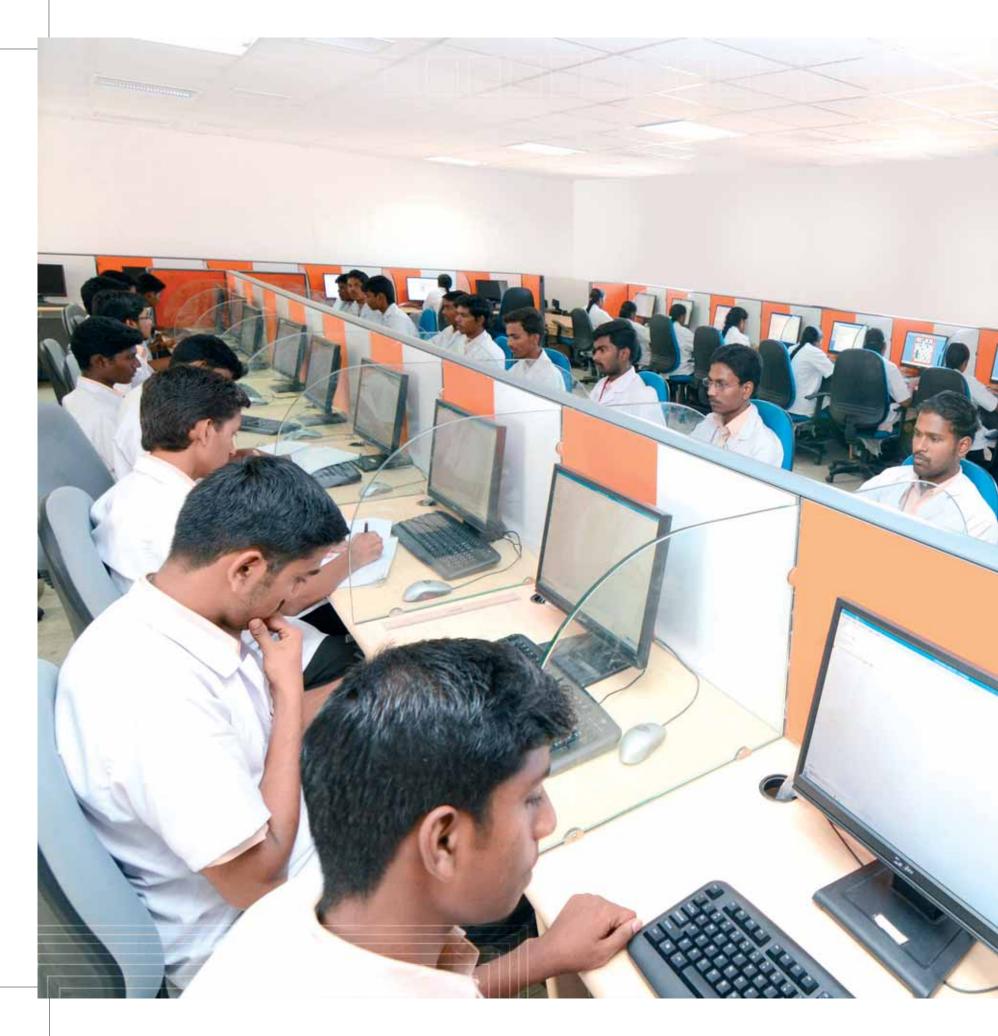
Students Association

The department has its own students association "COIN" which organises symposium and seminars once in a year to develop students's leadership skills.

Other Facilities

E-learning Softwares and Autocad Software are available for the benefit of the students.

Laboratories

- Strength of Materials
- Fluid Mechanics Lab
- Hydraulic Engineering Lab
- Survey Lab
- Soil Testing Lab

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

In just a few years, computer science-based systems, principles and techniques have encompassed our lives. Almost all sectors depend on critical applications developed in this field – ranging from telecommunications, manufacturing, defense, education and finance, to agriculture, healthcare, transportation and entertainment.

The department is committed to preparing its graduates to meet tomorrow's challenges with diverse educational and research opportunities. Students have the opportunity to study under exceptional faculty and have access to state-of-the-art systems and advanced computing resources. The programs will prepare students for successful careers in this rapidly evolving discipline.

Courses Offered in this department

B.E. Computer Science & Engineering

* M.E. Computer Science & Engineering

Labs

The laboratories include DBMS Lab, Operating System Lab, Networking Lab, Systems Software Lab, English Language Lab, Windows Programming Lab, Java Lab, Open Source Lab and Computer Programming Lab. The Department has dedicated high speed 8mbps leased line service from BSNL for internet facility. Around 142 computers are provided internet browsing facility.

Activities

Staff and Students participate in National level seminars & symposiums and exhibit their presentation skills.

Workshops

The Department has been organizing many Faculty Development Programs, Symposia, Guest Lectures, Workshops and Summer courses. Summer courses like "Web Designing", ".NET 2.0 Fundamentals", and workshops like Free Open Source Software and Data Mining Tools and Technique are few to be named.

Student Association

The students association was formed with the motive to effectively drive the students to the gateway of success. The association conducts various guest lectures, quiz competition, paper presentation, software contests etc., for students' betterment.

Partnerships

An MoU was signed with the ORACLE India, for the Workforce Development Program Partners, to train students for OCA – Oracle Certified Associate, OCP - Oracle Certified Professional and OCM - Oracle Certified Master.

Recognition / Awards

Financial assistance for conducting workshop was proposed by Ms.K.Mahalakshmi, Asso.Prof & Head of Dept, which was accepted by Tamil Nadu State Council for Science & Technology. The three days workshop on Data Mining Tools and Techniques was conducted by the department, from 16th June to 18th June 2010.

* Awaiting AICTE Approval

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering is always an exciting and dynamic field. Electrical engineers are responsible for the generation, transfer and conversion of electrical power, while electronic engineers are concerned with the transfer of information using radio waves, the design of electronic circuits, the design of computer systems and the development of control systems such as aircraft autopilots, etc. These sought-after engineers look forward to a rewarding and respected career in our country as well as abroad.

The department with its faculty and resources provides the right environment for practical design, development, and implementation of electrical or electronic products or systems, as well as research to create new ideas. Experimental facilities in the Electrical and Electronics Engineering Department include a number of laboratories for training and research as well as machine shops.

Courses Offered in this department
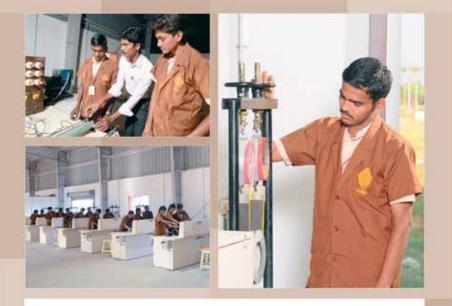
B.E. Electrical and Electronics Engineering
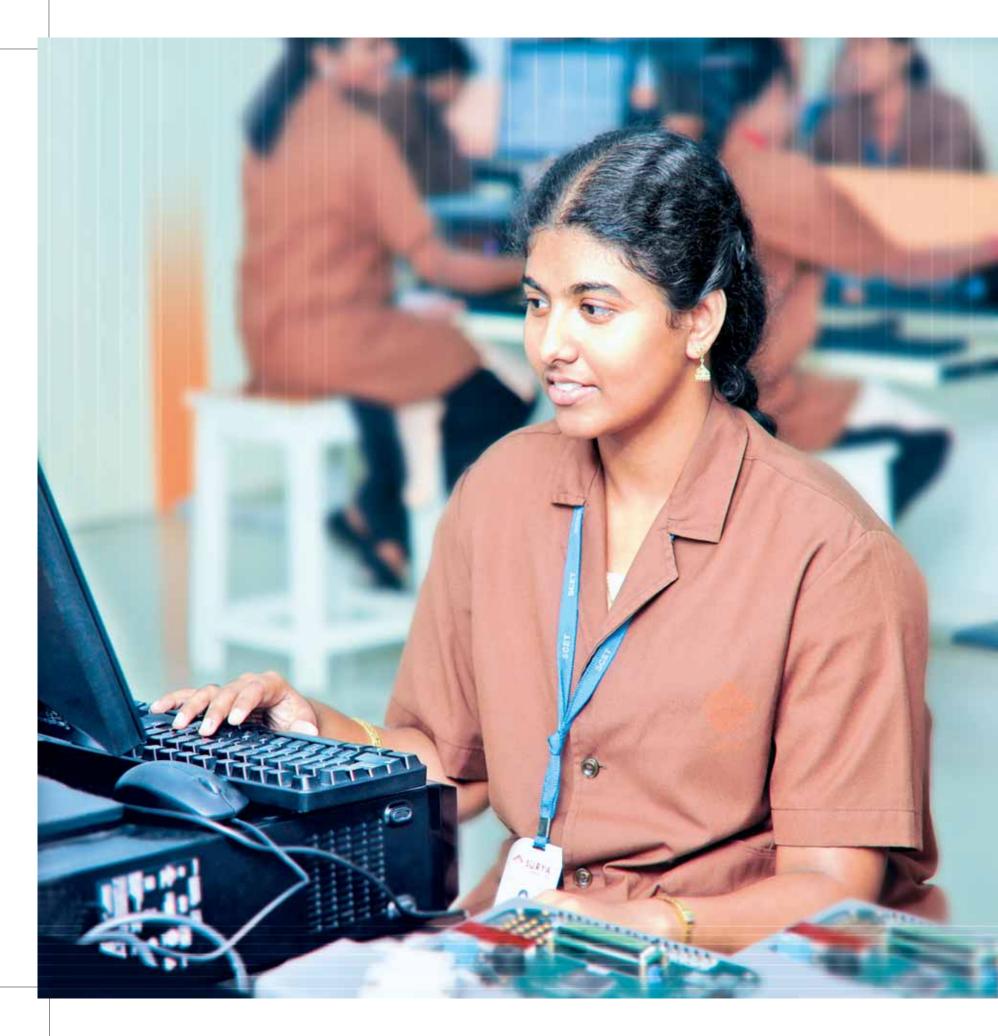
Activities

Staff and students present papers in national and international conferences and publish articles in national and international journals. A technical symposium, seminar, paper presentations and industry – institute interactions keep the department abuzz.

Membership in Technical Bodies & Professional Societies

- Membership in IEEE
- Membership in ISTE
- Membership in ISI

Laboratories

- Electrical Machines Lab
- Power Electronics Lab
- Control Systems Lab
- Power System Stimulation Lab
- IC and Microprocessor Lab
- Measurements and Instrumentation Lab

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The electronics and communication world has contributed communication satellites, wireless phones and computer networks which have become staples of everyday life. Demand for these modern communication devices has created a need for skilled employees who can design, develop, install, test and maintain them.

The Department of Electronics and Communication Engineering offers a holistic and pragmatic educational experience pertaining to the present scenario of the Electronics and Communication industry as well as a grounding in the concepts and theories that will shape the future of the industry. The program prepares the student for rewarding careers in both industry and research. ECE graduate students benefit from the practical training methodologies, individualized attention from their academic advisors and access to the latest technologies and systems in vogue in the industry.

Courses Offered in this department

B.E. Electronics & Communication Engineering

Activities

Staff and students present papers in national and international conferences and publish in national and international journals. A technical symposium, seminar, paper presentations and industry – institute interactions keep the department abuzz.

Laboratories

- Microprocessor and Applications Lab
- Electronic Circuits and Simulation Lab
- Digital Signal Processing Lab
- Communication Systems Lab
- Electronic System Design Lab
- Optical & Microwave Lab
- Electron Devices Lab
- RF Lab
- VLSI Lab

DEPARTMENT OF MECHANICAL ENGINEERING

The mechanical engineer is compared to a general practitioner in the medical field, who by his versatility creates the foundation for all engineering fields. Practically every company that designs and produces a product employs a mechanical engineer. Mechanical engineering that way, is one of the largest and oldest engineering disciplines that works at the heart of Physics.

Right from product design, research and development, manufacturing, and systems management, the mechanical engineer plays a vital role. They in fact, create the processes and systems that drive any technology and industry. A mechanical engineering education that way is also an excellent foundation for research and development work in other fields.

The Mechanical Engineering program at School of Engineering & Technology offers more than technical training. It is in fact the most practical and realistic engineering programme that focuses more on practical working of concepts and applications. The practical training will definitely give students the experience in the thinking and problem-solving processes that are the essence of what it means to be an engineer.

Courses Offered in this department

B.E. Mechanical Engineering
* M.E. CAD/ CAM

Activities

Students Association

The department has its own Mech Students association – managed by the students themselves to organize lectures, Seminars and events.

Students Symposium

A national level student's symposium is conducted once in a year to encourage the students to explore research activities and improve interpersonal skills.

Industrial Visits

Industrial visits are arranged for the benefit of students on a regular basis. The industries such as Neyveli Lignite Corporation Ltd., Neyveli, BHEL, Trichy, Ford India Ltd.,Chennai, TVS, Chennai, Ashok Leyland, Chennai. are visited by our students to know about various kinds of activities in Design, Production and Thermal fields.

Recognition / Awards

The department is planning to implement ISO 9001 quality systems from the forth coming academic year.

Laboratories

• Engineering Practice (Mechanical)
• Computer Aided Drafting and Modeling Laboratory
    • Manufacturing Technology Lab – I
    • Fluid Mechanics and Machinery Lab
    • Manufacturing Technology Lab II
    • Strength of Materials Lab
• Computer Aided Machine Drawing Lab
• Thermal Engineering Laboratory – I
• Dynamics Laboratory
• Metrology and Measurement Laboratory
• CAD/CAM Laboratory

* Awaiting AICTE Approval

DEPARTMENT OF
SCIENCE AND HUMANITIES

It is a myth that these courses are not professionally rewarding. In fact with experts and scholars in this field a rarity, the demand has increased tremendously at all levels for research. Moreover with technological innovations revolutionizing the world over the past decade, the time couldn't have been better for core science and humanities studies. Science and humanities studies at School of Engineering and Technology puts students in a distinctive environment to prepare then for research and many other professional options that build on a scientific foundation. Students' passion for science is not limited to the classroom or teaching laboratory but extends throughout the campus and also into the surrounding communities. Expert faculty mentors, best facilities and opportunities to work on on–going research projects will equip the students for a greater career in education, research and industry.

English Department

The English literary club regularly organizes book readings, poetry readings and sessions, classic Shakespearean theatre workshops. These activities help our students appreciate the nuances of language learning and also have a strong grounding in the core subject.

Maths Department

Seminars on ancient Vedic mathematics and popular mathematical models and theories by celebrated thought leaders are organized. Our students also present papers in national conferences.

Physics Department

Our students regularly participate and present seminars at various technology forums and are in touch with latest development in the industry.

Chemistry Department

Our students present papers in several national conferences and have also had their papers published in national journals.

Activities

The Department of Science and Humanities organized Science Fest 2011 commemorating the legacy of Sir C.V.Raman on 26th February 2011. Dr.P.Gauthama Sigamani, Chairman, Surya Educational Trust presided over the function. Dr.Mylswamy Annadurai – Guest of Honor gave a valuable lecture to the students and staff members. Events such as model exhibition, Quiz, poster presentation and Technical paper presentation were conducted for students and prizes were distributed to the winners.

SURYA
GROUP OF
INSTITUTIONS

School of Management Studies

SCHOOL OF MANAGEMENT STUDIES

The Surya School of Management Studies offers contemporary and industry centric & Masters Degree in Management. Enriched by industry professionals and professors, the management studies at Surya are completely real-world in its curriculum and training methodologies.

The Courses give you valuable knowledge about business and all its related aspects. You learn about business strategies and concepts, not just on paper, but the training and internship, teaches you how to use these skills in practical life and in day to day business operations at any corporate firm.

A Management degree at Surya School of Management Studies involves rigorous training, assignments, reports, presentations, and group projects, all of which gives you an edge and can make you a leader in your chosen field.

A student gets the rare opportunity to network with professionals as well as like-minded, equally competent peers at the institutions – who become invaluable assets to you as friends or future business partners too.
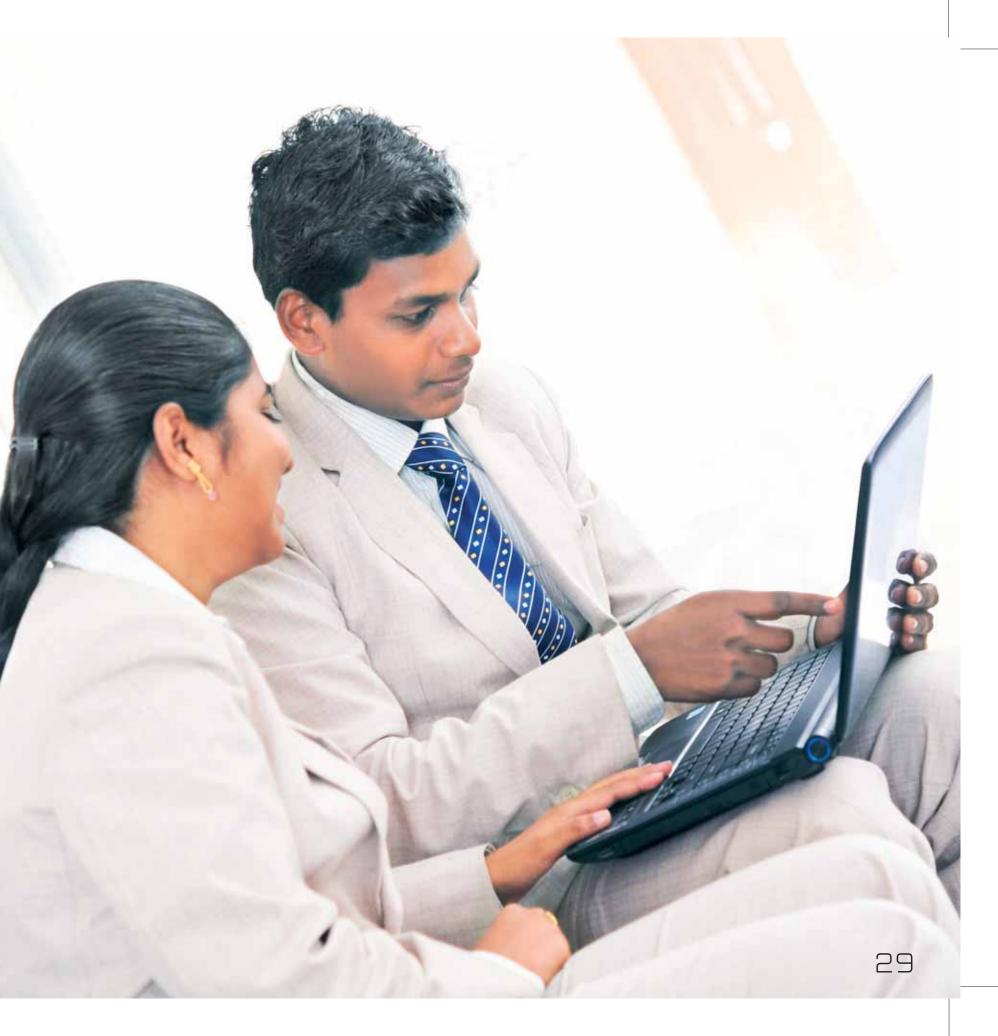
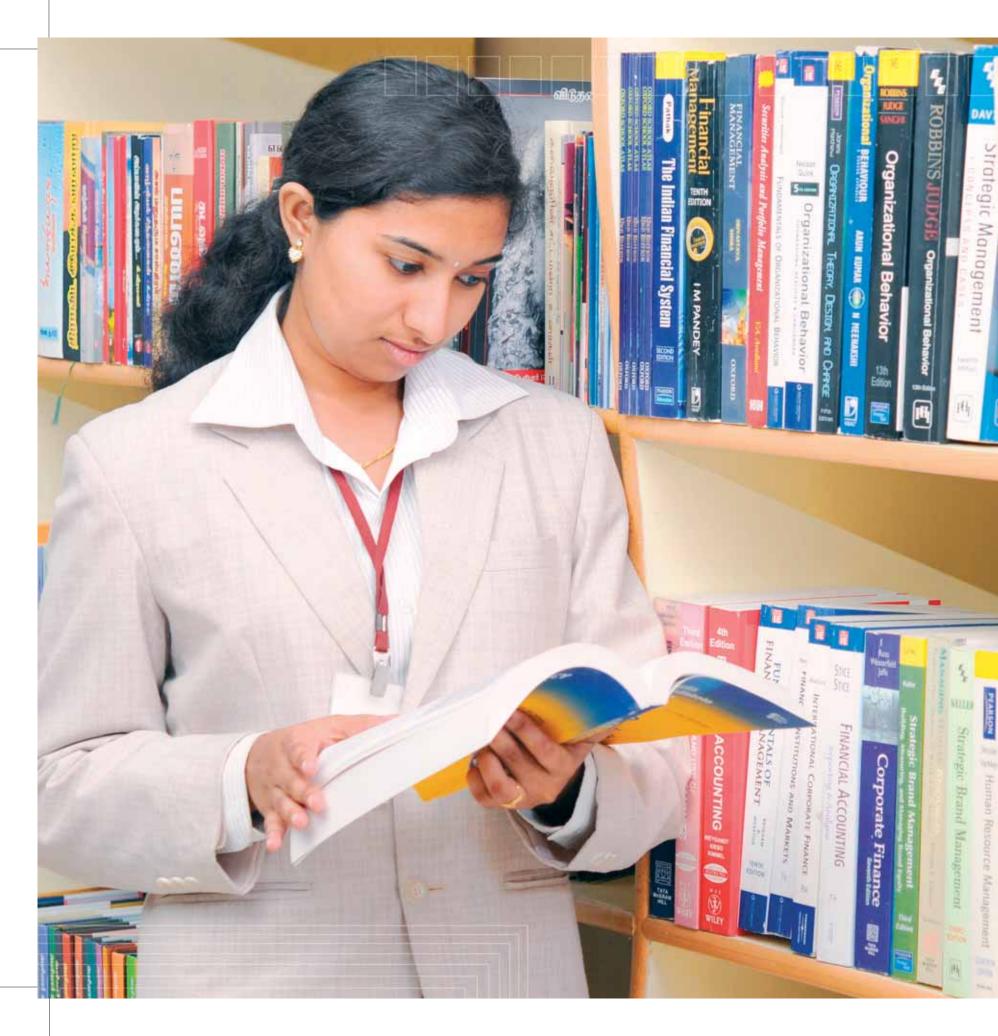**Dr.R.T.Nirmal kumar**
Dean

Courses Offered

M.B.A.

For latest updates, follow us on Facebook
SMSMBA

MANAGEMENT

Activities

• Management Club led by the students is engaged in several activities like Skills Improvement, Organizing Guest Lectures and Social Service Camps

• Students have been taken to premier organizations like Supreme Industries, Pondicherry, Neycer – Neyveli, Neyveli Lignite Corporation – Neyveli and The Hindu for Industrial Visits.

• Regular Personality Development programs by professionals to benefit the students

• Faculty have been drawn from Best B- Schools in India and Abroad

• Korean and Australian University Tie – Up for student and faculty exchange program

• Management games and Marketing simulation games to teach the subjects effectively

• SPSS, SAS , Tally, ORACLE, WEKA and TORA softwares to teach Business Applications

• EDUSAT - Online teaching method through satellite.

Events

Events like
• Young Managers Meet
• Meet the CEO
• Best Brand of the year Award
• Results Driven Leadership

have been conducted every year to benefit the students.

School of Architecture

SCHOOL OF ARCHITECTURE

Building new world and cityscapes of the future needs professionals who will redefine the future as we know today. All through the world, the one field that constantly touches our lives is Architecture. Be it forms, shapes, cityscapes or improving living environments, architects create worlds within our worlds.

The Surya School of Architecture and Design offers graduate and post-graduate degrees courses that are contemporary and future-ready. The courses encourage and nurture individual creativity with knowledge and understanding of a broad variety of technical and cultural learnings which constitute the context within which cutting-edge design evolution takes place.

The degree programs prepare students for the real world through practical training methodologies, architectural theory, history and design and developing students' knowledge of practical issues in building and construction. Students also study project and site planning, learn about construction and building codes and study the social values and issues that can influence design. Graduates from Surya School of Architecture are ready to pursue careers in architecture, urban planning, construction management and more.

Courses Offered in this department

B.ARCH

Laboratories

- Computer Lab
- Environmental Lab
- Materials/ Museum Lab
- Model Making Workshop
- Studio

Highlights

- The department comprises state-of-the-art seminar hall for conducting presentations of guest lecturer and other important functions.
- The well planned campus provides ample space for administration, lecture halls and design studios for Architecture courses, seminar and lecture rooms, staff rooms, library, multi–purpose hall and a hobby workshop.

Activities

Various programmes, symposia, short-term programmes and workshop are organized for the students and faculty to facilitate and participate in the events.

School of Pharmacy

SCHOOL OF PHARMACY

Pharmacy is the study of medicinal substances and the application of their therapeutic uses in the practice of the profession. There are many career opportunities in Pharmacy - the majority of work in hospital pharmacies or the pharmaceutical industry. Other areas include research, government agencies (usually positions concerned with the control, manufacture supply and distribution of medicine), and defence services.

The Degree Courses at Surya School of Pharmacy covers a broad spectrum of pharmaceutical and health sciences, ranging from the design, synthesis, testing and mechanism of action of drugs, through studies on methods of drug delivery and on the fate of drugs in humans and animals, to research on the clinical and sociological aspects of pharmacy.

Courses Offered in this department

B. PHARM

Faculty

The faculty members are highly experienced professionals in the area of pharmaceutical sciences – including doctorates. The institution also has several visiting professors, professionals from leading institutes and pharmaceutical corporations.

Laboratories

Surya School of Pharmacy is fully equipped with state-of-the-art Pharmaceutical Chemistry, Pharmacology and Computer Labs manned by experienced professionals. An exclusive Medicinal Garden with more than 300 Herbal plants which are very useful pharmacologically is maintained at the campus.

Animal House

The Animal House is run as per the guidelines of the CPCSEA. Various experiments like Analgesic activity, Anti-convulsant activity, Anti-Anxiety activity, Anti Depressant activity, Locomotor activity, Dilatory effects of the Pupil, Bioassays on muscle tissues etc. are conducted.

Library

Library is equipped with more than 1000 Books. Indian Pharmacopoeia, British Pharmacopoeia, United States Pharmacopoeia, Remington and the books which are prescribed by the TN Dr MGR Medical University for the course are also available. National, International and E-Journals are also available.

Surya Polytechnic College

The Surya Polytechnic college offers core engineering diploma courses including diploma in civil engineering, mechanical engineering, automobile engineering, electrical & electronics engineering, electronics & communication engineering, and computer science engineering.

Backed by its proven experience with its flagship engineering institution, the Surya group gives enough knowledge & technical support to the polytechnic college. Graduates from this institution are well qualified and find themselves well placed in leading multinational corporations.

The institution has a ward system through which individual care is given to each student by the concerned staff member who is their ward tutor. Through this system, a close link is established and maintained between the ward tutor and the students. Tutor does his/her best to solve even the personal problems of their wards by proper counseling. Special Coaching is provided for the weaker students in the evening.

For more info, Visit : http://www.scpt.org.in/

SURYA POLYTECHNIC COLLEGE

ADMISSION

Eligibility for Admission to Diploma Courses

• A Pass in 10th Standard in High School, Matriculation or equivalent
• A Pass in +2/ Intermediate can join in Direct Second Year
• No Upper age limit

GENERAL CONDITIONS

Candidates from other states will be considered as belonging to OC only, irrespective of their community for the purpose of considering minimum eligibility marks.

Application for admission should be made in the prescribed form available along with prospectus. Filled in application forms along with a non-refundable registration fee as stipulated should be sent to the office of the Principal, Surya Polytechnic College, Chennai Main Road, Vikkiravandi, Villupuram District-605652

Tuition and other fees prescribed by the college should be paid in full before the stipulated date. Fee once paid will not be refunded on any account, if any students rusticated from the college shall forfeit all the fees paid.

The decision of the Management will be final in all matters relating to admission, training & discipline and will be binding on all the concerned parties.

AFFILIATION:

Recognised By Dept.of Technical Education, Govt.of Tamil Nadu, G.O.Ms.No.593Hr.Edn.(J2) Dept. Approved by AICTE, New Delhi.
Lr.F.No. TN / NDIP / 2009-2010 / 031 / 4543, Dt.12.08.2009

Mr. **S. Venkatesh,** M.E., M.I.S.T.E.,
Principal

Number of Faculty: 103
Teaching Staff: 72
Non Teaching Staff: 24
Admin Staff: 7

COURSES OFFERED

DIPLOMA IN AUTOMOBILE ENGINEERING

DIPLOMA IN COMPUTER SCIENCE ENGINEERING

DIPLOMA IN CIVIL ENGINEERING

DIPLOMA IN ELECTRICAL & ELECTRONICS ENGINEERING

DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING

DIPLOMA IN MECHANICAL ENGINEERING

EVENTS:

3rd August 2009

Induction Programme for First Year Polytechnic Students

24th Sep 2009 to 26th Sep 2009

Faculty Development Programme on Instructional Design and Delivery System for Faculty of Surya Polytechnic College Organized by National Institute of Technical Teachers Training and Research (Ministry Of HRD, Govt of India) Chennai-600 113

8th March 2010

SURYA EDUCATIONAL TRUST
WOMEN'S DAY CELEBRATION

19th August 2010

BLOOD DONATION CAMP
Organized by Rotary Club,Vikkiravandi.

11th Aug 2010-12th Aug 2010

SURYA ROLLING TROPHY-2010 (Inter School Basket Ball Tournment)

24th Sep 2010

Inaugural Function of NSS By Mrs. Visalatchi Ponmudi

15th Sep 2010
Celebration of ENGINEER'S DAY By CIVIL Students

4th Sep 2010

Participation in Inter Polytechnic divisional level Foot Ball tournament
Venue : Nagapattinam

6th Sep 2010 — 7th Sep 2010

Participation in ILAVATTAM –State Level Youth Carnivel-2010 Venue : Villupuram District Stadium.

23rd Dec 2010

Guest Lecture on PLACEMENT TRAINING
By Mr.Anmol Vij, Founder Chairman
Student Software Solution, Coimbatore.

24th Dec 2010

Interpolytechnic (Nagai Puduvai) divisional level Basket Ball (Men) Tournment
Venue: Surya Synthetic Basket Ball Court.

29th Dec 2010 — 30th Dec 2010

Inter Polytechnic State level Basket Ball Tournment
Venue: Surya Synthetic Basket Ball Court.

3rd Jan 2011- 9th Jan 2011

NSS CAMP Venue : T.Edaiyar, Villupuram Dt.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Automobile Engineering or Automotive Engineering which deals with the study on how to design, manufacture and operate automobiles like buses, trucks, cars etc. and also their respective engineering subsystems.

For automobile engineers have wide scope in the field of designing, testing and developing vehicles and components from conception to production stage in the emerging automobile sectors. In our curriculum we are preparing the students with practical knowledge and technical skills to meet the industry requirement.

Laboratories

- Machine Drawing - CAD
- Solid Mechanics and Fluid Power Systems lab
- Workshop – I (Smithy, Foundry & Welding)
- Automotive Engines laboratory
- Autotronics Laboratory
- Workshop II (Turning, Drilling and Shaping)
- Automotive Chassis & Transmission Laboratory
- Automobile Workshop
- Computer Aided Design and Manufacturing Practical
- Two & Three Wheelers Technology Practical

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The department of Computer Science & Engineering produces computer professionals with sound technical skills. The department takes paramount care in updating the syllabi with the latest software packages – helping students graduate with the best skills compared to their peers in the industry.

- Operating systems - Netware 5.0, Windows XP, Windows 2000, Redhat linux7.0, Fedora9, Solaris 8.0
- Languages - Turbo C, Turbo C++, Java, Borland C++.
- Packages - MS Office 2007, Auto CAD 2009.
- RDBMS-ORACLE 9i

Laboratories

- C and Data Structures Lab
- Operating Systems Lab
- Web Designing Lab
- Java Programming Lab
- Computer Networks and Security Lab
- Relational Data Base Management System
- .Net Programming Lab
- PC Hardware and Servicing Lab
- Multimedia Systems Lab

DEPARTMENT OF CIVIL ENGINEERING

Civil engineers are involved in the Planning, Design, Construction and Maintenance of various building & construction projects. Giving life to an architect's vision, civil engineers create drawings and cost estimates for various infrastructure projects. They play a vital role in rural & urban planning and development.

Every year thousand of civil engineers are recruited to meet the growing demands of the nation (P.W.D, Railway, Highways and various other public and private sector). A civil engineering diploma student at Surya is equipped with all the skill-sets and practical knowledge at the institution to match the industry demands.

Laboratories

- Civil Engineering Lab Practice - I
- Material Testing Lab Practice - I
- Surveying Practice - I
- Material Testing Lab Practice - II
- CAD in Civil Engineering Drawing Practice - I
- Surveying Practice - II
- CAD in Civil Engineering Drawing Practice - II
- Computer Application Practice Lab
- English Communication Practice Lab
- Hydraulics and Pumping Lab Practice
- Construction Lab Practice

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

The Electrical & Electronics Engineering department aims to equip the students with the technical knowledge, skill & ability to innovate and act independently to enrich their knowledge and a sound understanding of Electrical and Electronic Engineering together with the practical, analytical and mathematical to meet any challenges boldly and efficiently at work.

Laboratories

- Electrical Machines and Circuits Lab
- Electronic Devices and Circuits Lab
- Basic Electrical and Electronics Lab
- Electrical Machines and Instrumentation Lab
- Electrical Wiring and Winding Practical Lab
- Control of Electrical Machines
- Microprocessor and Microcontroller Practical
- Power Electronics Lab
- Programmable Logic Controller Practical

Industrial Visit

- On 30th April 2010 our department students visited Neyveli Lignite Power Corporation, Neyveli.

- On 18th March 2011 our department students visited Mettur Thermal Power Plant, Mettur.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The work of electronics engineers, the most versatile of all engineers, involves the invention, development, design, operation and management of processes in the company. So they combine the work of several fields such as those of, Hardware engineers, design engineers, service engineers, as well as electronics engineers. The scope of Electronics engineers is the base for communication in this modern world communication playing a vital role in the field of technology & development – and a wide range of work opportunities.

Laboratories

- Microprocessor Lab
- Electronics and Circuit's Lab
- VLSI Lab
- Analog and Digital Lab
- Electronics and Devices Lab
- Embedded Lab
- Industrial Electronics Lab
- Communication Lab
- Instrumentation Lab

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering focuses on the creation and evaluation of physical systems and the core course at Surya is a thorough professional course usually rounded out with advanced classes that match the student's desired speciality.

Laboratories

- Mechanics of Materials and Fluid Mechanics Laboratory
- Workshop - I (Smithy, Foundry & Welding)
- Thermodynamics Laboratory
- Workshop – II (Turning, Drilling & Sharping)
- Workshop - III (Slotting, Milling & Grinding & CNC Machine)
- Metrology and Machine Tool Maintenance and Testing Laboratory
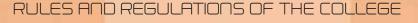- Automobile Technology Laboratory

SURYA
GROUP OF
INSTITUTIONS

Life at Surya

STUDENT LIFE @ SURYA

Life for a student at Surya means training to be a Global citizen through easy mobility in the curriculum, exposure to latest advancement in the respective fields, flexibility to adapt to new technologies, turning theory into practice through live industry internships and training, opportunities for inter and cross-disciplinary research, proven communication and overall personality development training, extra-curricular and co-curricular activities for a memorable student-life, professionally competent sports training & participation, regular participation in industry–oriented seminars, conferences and fairs, and community service - all set to create not just graduates but leaders.

STAFF - STUDENT RATIO

The Surya Group has the best and highly accomplished faculty with proven abilities in their respective fields. Apart from the faculty who reside in-campus, the institution has several senior visiting staff & specialists drawn from premier institutions and corporates. The staff-students ratio will be 1:12 to ensure personal attention. The full-time faculty members staying on the campus will plan and supervise the after-college and extra-curricular activities and look after the general supervision needs of the students. They will also be undergoing faculty development programmes to update themselves. Guest Lectures by professors, scientist, experts from industries and educational administrators are organized frequently.

RULES AND REGULATIONS OF THE COLLEGE

- Ragging is strictly prohibited @ Surya. Students who indulge in ragging be severely dealt with and punished according to law.
- Students are expected to reach college on time.
- Students are expected to always wear formal attire during college hours.
- All the students must wear their ID cards inside the campus without fail.
- Students are advised to look into the Notice Board and College website for all latest updates.
- During the college hours student should not leave the campus without prior permission from the Head of the Institution.
- Students should not take leave without prior permission.
- Students are expected to maintain the campus neat and clean and not to cause any damage to the institutional belongings.
- Students are advised not to use mobile phones inside the college premises.

GENERAL INFRASTRUCTURE

A fully functional modern campus spread over 70 acres, the institution has a large main block constructed over an area of 5595 sq.m., standing tall and commanding with its majestic presence. It has separate Engineering Block (Block A) for 1st Year Student, MBA Block (Block B) Spread over 1450 Sq.m. and Pharmacy Block spread over 1760 sq.m. Architecture Block (Block D) is having four floors with a built up area of around 3100 sq.m.

Well equipped, spacious classrooms with modern furnishing, computers, projectors and the latest learning tools and high-tech modern workshops complement the learning process.

Large conference halls for conducting guest lectures symposiums, seminars, placement training programs, etc. which are well equipped with the latest teaching aids.

A 300-seater mini air-conditioned auditorium (Kalaignar Karuthaivu Koodam) has been created for all conferences.

High-end sports facilities including a modern gymnasium and Basket Ball and Tennis Court and an indoor stadium (1900 sq.m) for Basket Ball, Billiards & Snooker.

A state-of-the-art computer center that is Wi-Fi integrated for over 150 terminals.

Information Resource Centre

The Information Resource Centre maintains and supports high-end research material and is on par with any of the leading national institution libraries. In addition, center has over 13,404 volumes of books in 3855 titles, hundreds of DVD's and over 48 international and 54 national journals, are available for best-use by our students. A fountainhead of knowledge and information, the library quietly houses important and latest books and titles across all the courses taught at the institution.

Surya Group has an excellent library for the benefit of students, faculties and researchers, the Library has a large collection of books covering various branches of Engineering and Technology, Science and Humanities and its related fields.

The library is located in the Ist floor of the main block, and is spread over Ground + 3 floors of 1.50 Lakh sq ft area. Well protected with fire alarms and CCTV security systems equipped with reading halls in all the floors, with reference collection.

Books: The resource center has 13404 volumes of books. The collection also includes 889 handbooks & 100 encyclopedias.

Periodicals: The resource center subscribes to 54 National and 48 International periodicals.

Standards: 600 standards that include BIS, ISA & IEEE

Membership: IEEE and Instrument Society Of India (Life Member)

Software Used: Autolib Software

HOSTEL

The Institution provides Excellent Individual Hostel Facilities for Boys and Girls with 4 floors and 20 rooms in each floor. The hostel rooms are spacious, airy and well furnished. The hostels are also equipped with a Mini-library, Computer lab, Gym and Games & recreation rooms for entertainment. With minimum occupancy per room ensured, students are ensured maximum safety and a comfortable stay.

DINING

Hostel food – the word instantly evokes a mixed reaction. Not at the cafeteria at Surya. The institutions take care to provide an extensive menu featuring vegetarian and non-vegetarian food that is tasty, nutritious and healthy.

All students (hostel students as well as day scholars) and staff members are provided nutritious meals & snacks at the large dining halls & cafeteria across the campuses. Two dining halls covering around 2370 sq.m. to accommodate 600 students at a time.

SPORTS

The physical wellness encompasses an individual's social, physical, emotional, career, intellectual, environmental, and spiritual health. At Surya Group of Institutions, we encourage all our students to take up any of the sporting activity available and develop life skills & sportsmanship that only a sport can teach. High-end sports facilities including a Modern Gymnasium, Synthetic Basket Ball & Tennis Court, Cricket Ground and an Indoor Stadium for Basket Ball, Billiards & Snooker are available at the campus.

2010-2011 EVENTS

21st March 2010

The NSS Unit of Surya School of Engineering & Technology along with Lions Club Vikkiravandi organized a blood donation camp in the college premises. Dr.S.Santhi-Director, SGI inaugurated the camp. Mr.Santhanam President, Lions Club and Mr.S.Ram Kumar, Dean, SSET, addressed the gathering.

23rd April 2010

Awareness Lecture on "EYECARE & PROTECTION" by Dr. C. Mathangi, Agarwal Eye Hospital, Chennai.

12th to 16th July 2010

SOFT SKILL TRAINING was conducted by SUCCESS TRILOGY, Australia in collaboration with INDIAN TEAM. The program was inaugurated by our Honorable Minister for Higher Education Dr.K.Ponmudi.

15th May 2010

Surya Group of Institutions celebrated its annual day PEGASUS'10 in a grand manner at the college campus. Among the invitees were leading stars from the Tamil Film Industry, Mr.T.Siva, Producer, Amma Creations, Mr.Venkat Prabhu, Director, Mr.Jai, Actor, Mr.Magesh, Actor and Ms. Dhanshika, Actress. Chairman Dr.Gauthama Sigamani welcomed and facilitated the distinguished guest of the evening.

Summer Courses

(a) Web Designing Course - 17th to 12th June, 2010 Department of CSE & IT of School of Engineering & Technology (SET) organized a summer course for its students in association with Apollo Computer Education, Puducherry on "Web Designing".

(b) .NET Framework course – 31st May, 2010 to 12th June, 2010
A second course on ".NET Framework" was also organized. This course was organized in association with DO-IT, Erode.

6th August, 2010

To commemorate former Prime Minister (Late) Mr. Rajiv Gandhi's birth day Celebrations, SET in association with TEDA organized a one day seminar to create awareness on "RENEWABLE ENERGY SOURCES".

26th February 2011

Science Fest 2011 commemorating the legacy of Sir C.V.Raman on 26th February 2011. Dr.P.Gauthama Sigamani, Chairman, Surya Educational Trust presided over the function. Dr.Mylswamy Annadurai – Guest of Honor gave a valuable lecture to the students and staff members.

8th March 2011

Surya Educational Trust celebrated "Surya Kumari 2011". Dr.Mamdha Dhass, Former Dean, Faculty of Education, Annamalai University was the guest of honor.

TRANSPORTATION

The Institution provides regular Bus services from different towns.
Student Pick-up and Drop points

- Puducherry
- Cuddalore
- Neyveli
- Panruti
- Thindivanam
- Villupuram
- Thirukoilur
- Ginjee
- Ulundurpet

For the benefit of those students who are attending special classes, using Internet facility, Library etc., special buses are arranged everyday which leave the campus at 6.00 p.m. All the students are encouraged to travel by college bus to ensure that they are able to attend the classes and examinations on time.

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