

ENGINEERING

ARCHITECTURE

DENTAL

ARTS & SCIENCE



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
CHENNAI



PROSPECTUS
Celebrating 30 Years

Vision of Founder Chancellor

“Be humble in confidence, Be courageous in facing challenges”. The scale of success is less important, when compared with how we handle it with humility. Sathyabama is a place of opportunities, destination of your dream careers. Sathyabama is known for disciplined culture and determination for producing effective technical manpower to the nation. Sathyabama strives for the holistic development of human race that contributes to the progress of the society. The commitment of this institute for offering quality education is known for decades and time is always behind us in creating history every day and in every way.

Colonel Dr. JEPPIAAR, M.A., B.L., Ph.D.,
Founder Chancellor,
Sathyabama Institute of Science and Technology

Entry is not important, Exit is important



Chancellor's Message



The Institute is the epitome of excellence for various domains of research and academics. World class infrastructure supporting the vision and mission of the institute with a value addition of dedicated, highly qualified teaching fraternity.

We uphold our value system with continuous efforts in delivery mechanism. Our promise to our stakeholders is simple: Believe us, we always respect and live up to your belief.

The Institute offers 27 undergraduate programmes and 44 postgraduate programmes in diverse fields of education. State of the art Library, International research Centre and an exclusive Research and Development Centre provides rich experience of learning and thereby fulfilling students' thirst for success. The research activity is progressive and proactive with 238 funded projects worth of around Rs.55 Crores, which has been sanctioned by various national organizations and many of them have been successfully completed.

Our student is our asset, commitment is our success secret, our values are our strength. Students, Parents, Industrial and Academic partners support has been immense in our journey till the date. We are happy to invite young minds to our fold every year and become instrumental in the saga of our success, come and grow with us.

Tmt. REMIBAI JEPPIAAR

Chancellor, Sathyabama Institute of Science and Technology

chancellor@sathyabama.ac.in

Vice President and Pro Chancellor Message



“When the aim is high, why the effort should not be high” – We believe consistency in effort even at the summit of success. The Institute is functioning with a rich set of core principles laid from the valuable guidance of our founder chancellor. We emphasize on “inclusive education”. The institution’s progress plan was designed with discipline, innovation and leadership grooming as prime objectives.

Educational institutions are growth engines of a country. The quality of intellectual product determines the potential of a nation and its people. We are proud to affirm that our Institute is serving with this motto of producing quality technical manpower from last three decades. All the parents’ and students’ career aspirations are most respected and realized in this soil. Around 175 companies visited campus in the last academic year. We are happy to share that all the eligible students secured opportunity of their interest and left the campus with million dollar smiles. Our campus recruitment is not just a process; it is indeed a mission to live upto the stakeholder’s belief on us.

Our founder chancellor set benchmarks to perform. We are happy to declare that we are crossing milestones of performance with divine blessings showering in the form of our student’s achievements.

Strategic planning, effective leadership at every level, committed staff are the assets of Sathyabama Institute of Science and Technology. We are committed to shape your careers beyond limitation; we welcome your decision in choosing this distinctive destination.

Dr. MARIE JOHNSON, B.E., M.B.A., M.Phil., Ph.D.,

Vice President, Sathyabama Institute of Science and Technology

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Vice Chancellor's Message



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Sathyabama Institute of Science and Technology has grown to become India's beacon light for all the stakeholders known for the excellence of its teaching and service to local, national and international communities. Our Institute is accredited with "A" grade by NAAC and declared as category A Deemed University by MHRD, Government of India. we have been ranked in 44th position by the NIRF among the Indian Universities in 2017. We have a team of dynamic and outstanding faculty, innovative pedagogical practices, state-of-art infrastructure and multi-disciplinary academic programmes at under graduate, postgraduate and doctoral level and global alliances with leading universities and research establishments.

In addition to creating fertile minds for professional and personal success we have committed ourselves to create responsible citizens who are the epitome of highest ethics and social conduct. The overall approach of training is unique with the rich blend of research based teaching as the focal point. I welcome all young aspirants to our fold for experiencing a unique opportunity to see and be a part of making excellence possible in every initiative.

Dr. K.V. Narayanan, M.E., Ph.D.,

Vice Chancellor, Sathyabama Institute of Science and Technology



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About Our Institution

Sathyabama is a pioneering institute in offering professional education, which is serving the academic and research needs of the nation from three decades. Sathyabama Institute (A Christian Minority Institution) was formerly known as Sathyabama Engineering College was established in 1987 by Dr. Jeppiaar. We are offering specializations in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of education resulted in granting Deemed University status on 16th July, 2001. Institute is accredited with "A" Grade by National Assessment and Accreditation Council (NAAC). The Institute has been awarded as Category "A" Deemed University by Ministry of Human Resources Development (MHRD), Government of India. The institution is also certified with DNV- GL ISO 9001.

Sathyabama Institute of Science and Technology with the divine blessings of Founder Chancellor Colonel Dr. JEPPIAAR, and under the guidance of Tmt. Remibai Jeppiaar, Chancellor is marching towards milestones in academic and research arenas. The believers of better tomorrow and potential thinkers of holistic development in delivering best to students; our Vice President Dr. Marie Johnson, Pro Chancellor Dr. Mariazeena Johnson and their continuous efforts ensuring the best results in every attempt of the institute. Dr. K.V. Narayanan, Vice Chancellor, Dr. T. Sasipraba, Pro Vice Chancellor, Dr. S. S. Rau, Registrar, Dr. B. Sheela Rani, Director Research, Dr. Igni Sabasti Prabu, Controller of Examinations and Dr. Thayumanavan. B, Dean (Dental College and Hospital) are providing the necessary support system.

Experienced staff, enthusiastic students, visionary management and positive academic ambience prevailed in the campus, as a result of which we are ranked as 44th among Indian Universities by National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India.

The Institute offers 27 programmes at UG level and 44 programmes at PG level in all disciplines. The Institute has excellent infrastructure facilities including modern laboratories, library with multimedia facilities, internet and other general amenities. We hold great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life in association with Indian Space



Research Organization (ISRO). The Institute has written a special page in the history of space research on 22nd June, 2016 with the launch of “SATHYABAMASAT” in association with ISRO.

Centre for international relations is engaged in MOUs with several international universities. The Institute has become the potential destination in offering world class academic and research ambience, therefore attracting students from different parts of the globe.

We believe in the philosophy of “JOY OF LIVING IS IN JOY OF GIVING”. We teach and practice to students about “RIGHT ACTIONS LEAD TO GREAT RESULTS”. Our delivery mechanism is built on the concept of “LEARN TODAY AND LEAD TOMORROW”. We aim to be the destiny of efficient and responsible technocrats , who are fit enough to serve the industry and society.



PROGRAMMES OFFERED

School of Computing

- B.E. - Computer Science and Engineering
- B.Tech. - Information Technology
- M.E. - Computer Science and Engineering
- M.Tech. - Information Technology
- Dual Degree Programme

School of Electrical and Electronics

- B.E. - Electrical and Electronics Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Electronics and Instrumentation Engineering
- B.E. - Electronics and Telecommunication Engineering
- M.E. - Applied Electronics
- M.E. - Communication Systems
- M.E. - Electronics & Control
- M.E. - Embedded Systems
- M.E. - Power Electronics & Industrial Drives
- M.E. - Wind Energy Technology
- M.Tech. - Robotics & Artificial Intelligence
- M.Tech. - Nano Technology
- M.Tech. - Nuclear Science Engineering
- M.Tech. - VLSI Design
- M.E. - Embedded Systems & IOT

School of Mechanical Engineering

- B.E. - Aeronautical Engineering
- B.E. - Automobile Engineering
- B.E. - Mechanical Engineering
- B.E. - Mechanical and Production Engineering
- M.E. - Aeronautical Engineering
- M.E. - Computer Aided Design
- M.E. - Thermal Engineering
- M.E. - Metallurgical & Material Science Engineering
- M.Tech. - Naval Engineering

School of Bio and Chemical

- B.Tech. - Bioinformatics
- B.Tech. - Biomedical Engineering
- B.Tech. - Biotechnology
- B.Tech. - Chemical Engineering
- M.E. - Environmental Engineering
- M.Tech. - Bioinformatics
- M.Tech. - Biotechnology
- M.Tech. - Green Engineering Technology
- M.Tech. - Marine Biotechnology

- M.Tech. - Medical Instrumentation
- M.Tech. - Chemical Engineering
- M.Sc. - Biotechnology
- M.Phil. - Biotechnology
- M.Tech. - Systems biology

School of Building and Environment

- B.E. - Civil Engineering
- B.Arch. - Bachelor of Architecture
- M.E. - Structural Engineering
- M.Tech. - Remote Sensing & Geo Informatics
- M.Arch. - Building Management
- M.Arch. - Sustainable Architecture
- M.Plan. - Urban Planning

School of Business Administration

- B.Com. - Bachelor of Commerce
- B.B.A. - Bachelor of Business Administration
- M.B.A. - Master of Business Administration
- M.Phil. - Management

School of Arts, Science and Humanities

- B.A. - English
- B.Sc. - Visual Communication
- B.Sc. - Physics
- B.Sc. - Chemistry
- B.Sc. - Computer Science
- B.Sc. - Electronics
- B.Sc. - Hotel Management and Catering Technology
- M.A. - English
- M.Sc. - Computer Science
- M.Sc. - Actuarial Science
- M.Sc. - Physics
- M.Sc. - Chemistry
- M.Sc. - Mathematics
- M.Sc. - Visual Communication
- M.Phil. - Mathematics

School of Medicine

- B.D.S. - Bachelor of Dental Surgery

Research Programmes

(In all disciplines of Engineering / Technology, Management and Science)

- M.Tech. - By Research
- M.Tech. - Biopharmaceutical Technology
- M.Tech. - Industrial Biotechnology
- Ph.D. - Doctor of Philosophy

SATHYABAMASAT



Our Campus

Greenery Greet

IT Highway hosts Sathyabama Institute of Science and Technology, which is nearer to any dense part of the city of Chennai. The campus greets with greenery, treats with smiles of people, yields the sense of intellectual satisfaction. The academic blocks silently lined up for molding next generations of the society, the monumental research buildings standing tall symbolizing the workmanship of human excellence, the vast grounds with world class sporting facilities promising of ensuring exceptional sporting talent, invites from the gate that showcases the technical triumph in our journey i.e. the model of “SATHYABAMA SATELLITE”. This is an eco-friendly environment filled with ideas of synergy.

Fusion Centres of Ideas - The Schools

These are the centers for ideating, practicing and implementing. The optimum utilization of efficient human resources, infrastructure and other learning areas are the basis of these schools. Departments represent specializations in respective school, actively involved in giving technical inputs and in producing technocrats.

Incredible Infrastructure

The Institution holds a robust transport system facilitating easy mobility of students and staff from every nook and corner of the city to campus. Academic blocks with well ventilated classrooms, Spacious dining halls, Modern kitchens, Bakery, Hostels with integrated facilities, Student activity centers, Smart class rooms are serving as the platforms for student deliberations about emerging technologies. Technology enables us to grow faster to foster novel opportunities for teaching and learning with the support of wireless networking and specialized audio – visual capabilities. Technology driven , eco-friendly campus reflects the ease in learning and living.



The central facilities available in campus to all students and staff include bank, automated teller machines, health care centers with round the clock medical officers, reverse osmosis plants, leased internet line, child care center. Separate hostel facilities with spacious rooms for the students of both genders and guest rooms are available. The hostels are equipped with computer labs, wifi, telephones, ATMs, photocopiers, fitness studios, stores, meditation center and spa with multi-user facilities. There is a modern day-care centre for children. It aims at providing quality care based on modern, scientific and professional principles to children of the Institute employees.

Research Facilities

The International Research Centre and Col. Dr. Jeppiaar Research Park are the two major wings of research apart from the academic research. Ease in accessibility, knowledge transfer, making global foot prints are the prime objectives of these research facilities. Global leaders of research visits, guides and participates in the activities of these centres. Noble laureates lectures, Scientists innovative explorations, Research scholars untiring experimental works provides a comprehensive idea of research for the young graduates and develops inquisitive method of learning. These centres are busy in connecting the International Research Community with our ever enthusiastic students. State of the art research facilities are at the reach of the students and scholars in the areas of research ranging from remote sensing and geo-informatics to animal research and climate change studies.

Library – A place to grow

“One best book is equal to hundred good friends” – Our monumental central library houses thousands of distinct collection of technical and non-technical books. Library possess different wings in the form of Advisory Bureau of Higher Studies, Digital Library, Presentation Halls, Jeppiaar IAS coaching centre and Serene Reading sections catering the diverse needs of the students.

Journals, theses, e-learning resources, flexible reading hours, comfortable reading spaces, wi-fi facility, back volumes, autobiographies, competitive examination books, research articles of national and international origin makes an ardent reader satisfied and an occasional reader to develop the habit of reading.



Advisory bureau for higher studies

Advisory Bureau of Higher Studies (ABHS) is a constituent of Central Library. A rare and chosen collection of more than ten thousand books available exclusively in this section. This division has the books from fiction to biographies; career building to self - help; booklets, brochures, essays, magazines, manuals, dictionaries, encyclopedias and motivational titles of the most diverse collection. An exhaustive collection of educative CD's are archived to support the student in improving communicational skills. Preparation to competitive examinations like GATE, IES, TOEFL, GMAT and IELTS becomes easy with the abundant material available in this section.

ABHS is actively involved in conducting certificate courses such as “VEDIC ENGINEERING” and foreign language courses such as Spoken Japanese and German Language. Exclusive CAT, GRE training classes are conducted in the campus for assisting student in making their dream choices.

Placement Cell

Proud hearts wishes, one who visits this place. Confident eyes keeping constant watch on the industry opportunities. Proactive minds, which are busy in shaping your careers reflects our work culture. Placement cell is the most happening place in the campus.

Placement cell takes up training and mentoring. Programs are designed as company specific models and are much advanced suiting to the requirements of the industry. These programs are conducted in association with institutes of repute and by the subject experts in the campus. The placement cell offers the student an interactive, learning-centric, user-friendly, robust test taking platform, which gives immediate insightful performance report. The placement training starts from the first year and ensure the best opportunity for the deserving students.

Dental College and Hospital

Dental college is the most valuable addition to the Institute in terms of service offered to the nearby sub-urban areas. This is the fine illustration of world class infrastructure, which has all the major divisions of specialization and laboratories relevant to dental surgery such as microbiology, pharamacology, oral medicine, perio and prosthodontics etc. A general hospital with 100 bedded facilities and round the clock availability of doctors is serving not only to our students but also to the general public through mega dental camps and regular medical services.

Partial List of Partners for Placement & Research Collaboration



We Care Your Career

We possess full-fledged proactive “Placement cell” that continuously monitors the employment opportunities available in various domains and arrange the campus interviews for the eligible students both at Under Graduate and Post Graduate level. We have the State of the art Placement Cell infrastructure, which comprises of Auditorium, GD Panel rooms, Closed Interview Panels and Conference Hall. The entire facility is designed keeping in mind to ensure that both students and the recruiters have a comfortable recruitment experience. Placement cell is offering training from first year onwards to students. Our placement cell has won awards and laurels from the industry for the efficient manpower and sustained collaboration in exchange of knowledge.

Our Campus recruitment program starts during the final year as per the NASCOMM guidelines. The on-campus recruitment program keeps continuing till the end of their final semester. Assistance will be given to our students by arranging off-campus interviews. Various roles of our Placement Cell include:

- Understanding the skill demand of the recruiters across various domains and assessing the skill set of students
- Map the present with the expectation and explore the possibilities of enhancing present to meet the expectation
- Drafting the Career Development Programs with the best of the trainers
- Creating awareness among students regarding future career option available through the industry partners and Alumni
- Dream job offer
- Business English Certificate
- Empowering students with life-long career decision-making skills
- Understanding the Job aspiration of each student
- Inviting various recruiters for the Campus Recruitment and coordinating the same.
- Rolling out “Post recruitment training” specified by the recruiter (Depending upon the feasibility)
- We conduct a Basic IT awareness program to all the students
- Mock-interview and Group discussion sessions are conducted with the help of Alumni and Industrial partners
- Career Counseling arranged during the Pre-Final year by Industry experts to make sure that students are aware of various opportunities available in the corporate world
- We have been accredited by leading Industries, who visit us annually and hire our students
- Cognizant accredited Sathyabama as their academic partner. Few of the programs conducted are : Evolve, Faculty Enrichment Programs and Xperience Cognizant
- Wipro certified Sathyabama as “TRUSTED ACADEMIC PARTNER”. Few of the programs sponsored by Wipro are “Mission 10X”, “Jump Start”
- MOU with leading core companies such as Accenture, Infosys, VirtUSA, FL Smidth, which enabled us to set up technology specific laboratories



Centre for International Relations

Programmes and courses offered by us have the flexibility to evolve in response to changing requirements. The contents of the courses are carefully chosen intending to give the student an exposure to the contemporary world and the qualities that the job maker expects from the student. With the aim of providing international exposure to the students,

Centre for Academic Partnership is an initiative of Institute devoted to promote academic alliances with universities and organizations at national and international level and to promote internationalisation. The centre facilitates Research collaboration, Student Exchange Programmes, Faculty Exchange Programmes and Semester Abroad Programmes.

The Centre for Academic Partnership and International Relations (CAP& IR) has been functioning to promote academic alliances with universities and institutes at national and international level. The Centre establishes link through MOU to facilitate research collaboration, Semester Abroad Programmes and Staff Exchange Programmes. We have signed 152 MOUs with leading universities & research organizations at international & national Level.

- We encourage students to actively participate in the bilateral exchange programme for academic activities such as doing part of their degree program in the foreign universities, taking part in the summer/winter schools, training, conferences and theme meetings
- We supports students to carry out minor and major projects abroad
- Students are motivated through various scholarship programmes to continue their academic education in Universities abroad
- Significance of these kinds of activities is to promote the development of creative individuals and to promote international understanding and exchange
- We offers opportunities for Staff to participate in the staff exchange programme with foreign universities, which provides broader experience to share, deliver best practices and pedagogy from each other's system
- Students and researchers from overseas are admitted for one or two semesters in the Institute to undertake courses or pursue collaborative research leading to joint publications and International funding
- Students from Indonesia, Yemen, Turkey, Argentina, Poland and Malaysia come to our Institute to undergo study for a period of one semester
- Our Students opting for Exchange Program can study a semester or for a period of 3-6 months in any one of our Partnering Universities at Indonesia, Yemen, Turkey, Argentina, Poland and Malaysia. Students are encouraged to register for Exchange Programme only after completing two years of study at the undergraduate program, so that they will be familiar with the fundamentals relating to their area of specialization.
- Students opting for Semester Abroad Program can study a semester or for a period of 3-6 months in any one of our Partnering Universities at Europe, UK, USA, Australia, South America and Asia.



INTERNATIONAL RESEARCH CENTRE





Life @ Campus

The liveliest age of life is the student LIFE in the campus. We understand the desire and need of the modern day student and the kernel of our system is designed in the best interests of the student. Student development cell of Sathyabama is the best platform to celebrate the INCLUSIVE SENSE OF STUDENT LIFE. Sathyabama stands unique in matching the CHOICE of a STUDENT in realizing their LIFE's career aspirations.

SDC is an amalgamation of ignited minds clustered together to provide regular inputs for the complete development of a student. These clubs enrich the social, cultural and academic experience of students. This is a cognitive domain of knowledge sharing in various fields, which influence the larger student community and offers diverse learning practices. It provides an exclusive platform for different dimension of learning, networking and socializing outside of the classroom. SDC organizes a variety of events such as workshops, skill development courses, power lecture series, value added courses, seminars and many more to mention. "Learning by doing" is the percept here.

Jeppiaar IAS Academy is providing the exemplary training for civil service aspirants is an example of extended learning practices offered by the Institute. YRC, NCC, NSS, Institution Band are representing us in serving the society. Our NSS unit was known for getting the awards such as "HIGHEST BLOOD DONOR" of the year.

CULTURE OF NURTURING CULTURAL TALENT

Artistic talent of the individuals is the reflection of the mood and culture of the society. Identifying and encouraging such talents needs a forum. SATHYABAMA has many such forums for the exhibition of inherent potential and thirst to express themselves beyond academics.

We had greatest privilege and pleasure to celebrate the extravaganza, "CULTURALS" for all the students to encourage their cultural talents. The Institution organizes "FEMFEST" every year. This is a college carnival conducted "FOR THE GIRLS, BY THE GIRLS".



Skill Development Centre

Skill development is a vital component for Human Resource Development. Education should always be purposeful, growth oriented and productive. “SKILL SATHYABAMA” is the slogan of the day in the campus. We understand the significance of SKILL component in the students, who are going to render services tomorrow to the society. We initiated the centre to develop the skill component among the students. Exclusive skill development wing for women empowerment works in association with the Skill Development Centre of the Institute.

Skill development center and training an initiative to empower the youth with skills and livelihood. Sathyabama Institute of Science and Technology Centre for Skill development and training

provides short-term courses for skill development and employability. The program imparts quality education to develop analytical ability, provide technical skills and improve employment opportunity. Several Courses Offered through this Centre Periodically and few of them are listed as follows.

- Laptop Servicing • Digital Marketing • Photography • Beautician Training • Solar Lamp Making
- Electrician and Plumbing • Commercial Baking • Bio Detergent Making • Organic Farming • Mushroom Cultivation • Seaweed Cultivation

Women Empowerment Bureau

Our Women Empowerment Bureau has very clear and distinct objectives. The social and economic empowerment of women is guaranteed through empowering by imparting education. Various awareness programs are being conducted on “Elimination of violence against women”, “Women rights” “Women health” “Gender streaming of policies”, “Rural women development”, “Marginal and Minority Communities Development” and many more.

The Women Empowerment Bureau conducts Skill Development Programs for rural and underprivileged women on Seaweed Cultivation, Solar Lamp Making, Mushroom Cultivation, Ornamental Fish Culture and Organic Farming. Short term courses on Beauty and Wellness, Commercial Baking, Electrician and Plumbing have been organized for the native slum dwellers to earn their livelihood. Programs for students such as Women Empowerment Week Special Lecture Series, Entrepreneurship workshops, Transformational Workshops and Life Skill Training were also conducted.



Student Development Cell

A group of ignited minds clustered together to provide regular inputs for the complete development of a student. The main objective of the Student Development Cell (SDC) is to identify the potential of every student and to facilitate them in achieving their academic goals through various clubs. At Sathyabama, we have 16 clubs those hold a significant part of every student life in campus. Open to all students, the clubs plan events and activities throughout the year. All the clubs together conduct an annual national level technical event called “Technosummit”.

These clubs enrich the social, cultural and academic experience of students. This is a cognitive domain of knowledge sharing in various fields, which influence the larger student community and offers diverse learning practices. It provides an exclusive platform for different dimension of learning, networking and socializing outside of the classroom. SDC organizes a variety of events such as workshops, skill development courses, power lecture series, value added courses, seminars and many more.

Aero Club
Auto Club
Computer Science Club
Community Development Club
Design Club
ECO Club
Entrepreneurship Development Club
English Literary Club

Encore Club
Dr. Kalam's Club
Maths Club
Robotics Club
Rotaract Club
Science Club
Tamil Club
Innovation Club



Research Excellence

Every Institution is recognized by its research potential. Research in the campus has its own expansion and diversity in various domains those include Remote Sensing, Ocean Research, Nanotechnology and Space Technology. We have established several research centres in collaboration with National Research organizations. 238 funded projects worth of around Rs.55 Crores have been sanctioned and many of them have been successfully completed.

We give utmost importance in facilitating researchers with excellent infrastructure. The “International Research Centre (IRC) and “Col. Dr.Jeppiaar Research Park” are the platforms of global competence in terms of infrastructure and research activity. This is possible with chain of exceptional laboratories, their optimum utilization resulted in enhanced academic and research intent among the staff and students. These research centres are serving as the knowledge base and experimental forum for the academicians and researchers.

COLLABORATIONS

Research in the campus has its own expansion and diversity in various domains those include Remote Sensing, Ocean Research, Nanotechnology and environmental study. We have undertaken various sponsored and collaborative Research and Development projects funded by National organizations such as Indian Space Research Organization (ISRO), Department of Science and Technology (DST), Indira Gandhi Centre for Atomic Research (IGCAR), Defense Research and Development Organization (DRDO), National Institute of Ocean Technology (NIOT), Board of Research in Fusion Science and Technology (BRFST), Institute of Plasma Research (IPR), Ministry of Environment and Forests (MoEF) and many others.

The outcomes of the R&D projects taken by the Institute lead to increased facilities for innovative teaching, learning and research activity, indigenous development and commercialization of new products and ideas, long term collaboration with renowned R&D organizations in India & abroad. encourages in-house research and consultancy projects to solve the crucial needs of the industry and research organizations, so that prompt technical solutions can be rendered.

INTERNATIONAL RESEARCH CENTRE AND COL. Dr. JEPPIAAR RESEARCH PARK

The International Research Centre (IRC) stands as the true reflection of the global expertise in terms of ideating, implementing and in consultancy. Enthusiastic researchers from abroad participate and pursue in the active research in this facility. “Nano Umbrella” is the finest innovation emerged out of the technical competence of this installation. In order to promote the fundamental research and to stand as the live wire for research in life science for the country, we established the Research and Development Centre (RDC) in 2015. This is truly an international standard monumental facility , which is a value addition to the success tale of Sathyabama in research.

Being aware of the importance of research to confront scientific and technical challenges in the global scenario, we conduct research activities to mobilize the knowledge resources available for research and to come up with innovative solutions.



Centre for Academic Research offers Ph.D. Programme (Internal / External). Research is offered in all branches of Engineering, Technology and in Arts, Science and Humanities. Admissions are offered for twice in a year. This centre provides research opportunities to the aspiring candidates serving in Educational Institutions / Industries / Research Organizations / Research Laboratories and Government Departments. Numerous patents are filed by the faculty and students of the Institution.



In order to promote fundamental research, Col. Dr. Jeppiaar Research Park was established and equipped with the conjugation of Centre for Ocean Research, Centre for Drug discovery and Development, Centre for Animal Research and Technology. Centre for laboratory animal Technology and Research, which is CPCSEA approved and equipped with sophisticated facilities to carry out preclinical studies of the lead molecules obtained from the Centre for Drug Discovery and Development which is dedicated for exploring metabolites against TB and HIV from extreme ecosystems with biosafety level labs to handle infectious organisms. Centre for Ocean Research is equipped with several analytical equipment's to enable marine research and translated several products and patents. These research centres have played vital role in addressing major health challenges as well as empowering the livelihood and contributing to societal changes.

TECHNOLOGY BUSINESS INCUBATOR

Technology business incubator was established in association with NSTEDB –DST supports ideology, fosters knowledge at every level and transform the ideas into reality, hypothesis to conclusion and passion into product. It provides potential market for the innovations of the research centers. This is attracting the young researchers as they will be in a state to enjoy every needed facility in a unique platform.

SEWAGE PLANT

This is to treat the sewage influent generation in the Institute and to reuse the treated sewage for gardening.

This STP design has a capacity of 20 hours of operation. It has an average flow rate of 75 m³/hr. This one of the eco-friendly initiatives of the institution. The optimum utilization of resources and recycling of wastage is possible with this plant.

We are consistently making significant footprints in the field of research in National and Global arena. A great vision of the founder chancellor has placed the institution in the elite club of academic and research excellence in the country.



Noble Work Creates Global Leaders

“Teaching is an Art”. Every Successful Student is the Epitome of the Noble Work of Teacher.

We have experienced pool of exceptional “GURUS”, who can inspire student at every level of learning. “Research based interactive teaching” will invoke the technical brilliance of the student and enrich the skill set. “Transformation of an ordinary student into an extraordinary performer” is the central principle of teaching in the campus. We are working with these core principles and ethical value system.

Holistic knowledge is being imparted to student with comprehensive view points alongside of specific technical goals. besides seminars, workshops those provide an opportunity to present and share the ideas, laboratory based teaching allows student to experiment on what was taught in the class room.

Teaching at Sathyabama emphasize on improving the core competency of the advanced learners and in reaching out to the academic needs of the slow learners. Balance in delivering topic, measuring merit based on questioning, analysis and interpretation skill of the student and instigating the interlacing thought process of the topic are focal points of teaching.

Choice based credit system, modified academic curriculum with more emphasis on corporate needs, open electives, choice based staff selection system, credits for internship and semester abroad program are the measures taken to induce prolific quality component into the system. Continuous evaluation system is further strengthened with 50-50 percentage weightage system that is in place for internal and external examinations respectively.



EXTRA MILE FOR STUDENT SMILE

We strive for giving best to our students. Every student is provided with access to various Academic, Medical and Psychological support systems available in the campus. Student counselors COUNSEL the students in all the academic aspects and provide necessary assistance and suggestions for their overall performance. Student grievance cell, Anti-ragging cell and Women grievance cell takes care about the complaints and grievances, if any and address them immediately. Any form of ragging by the student is seriously examined and stringent disciplinary action will be taken to ensure zero-ragging campus. A psychological counselor available for assisting students in various aspects.



We offer English language speaking skills and Soft skills training to students right from the first year. “English Language Lab” was set up to cater especially the linguistic needs of rural students. This lab also offers various set of modules for improving the vocabulary, pronunciation and speaking abilities for slow and advanced learners. These programs are critical in honing student language skills in confidently facing the interactive challenges at

work place after graduation.

OPPORTUNITIES UNLIMITED



SathyabamaSat



The “SATHYABAMASAT” was developed by the institution under the technical guidance and support from ISRO. This satellite is very useful to Nation’s Space research in collecting the data pertinent to green house gases such as Water Vapor, Carbon Monoxide, Carbon dioxide, Methane and Hydrogen flouride. The satellite was handed over to ISRO for launch in the presence of Honorable Founder Chancellor Col.Dr.Jeppiaar on 30th April, 2016. The satellite was successfully launched on 22nd June, 2016 from SHAR Centre, Sriharikota, India. This milestone acheivment was appreciated by Shri Narendra Modi, Honorable Prime Minister of India in a personal interaction with the team in the Parliament House, New Delhi on 19th July, 2016.

Alumni - Our Identity

Alumni is our Pride. Entrepreneurs, Scientists, Sports personnel, Social reformers, Artists, Authors, Leaders, Teachers and experts belonging to distinct domains are in the elite set of our alumni. We put best foot forward to engage our alumni in the development plans and their effective implementation. Our Alumni Association connects and assists in bridging industry- institute relationship.

- Time and expertise of alumni provides a significant impact on their juniors and supports the institution to take novel initiatives
- “Alumni Mentorship Program” assists the students in preparing themselves most competently for the challenges in corporate work environment.
- Alumni involves in the design of curriculum, supporting policy making and contributes to the identification of active and consistent partners in the campus recruitment
- “Alumni Lecture series” is yet another medium of interaction towards student development.
- Alumni is serving as an external eye for the student community, which is exploring the latest trends in technology.

“I had the honor of studying at Sathyabama for my Undergraduate Programme in Computer science and engineering. The course materials, content and the experience of the faculty members were impeccable. The management and faculty took extra effort to make sure the students felt welcome initially and supported through rest of the course to help us excel. The focus at Sathyabama was not just education, though it was the finest, the programme was built around teaching discipline, commitment and life lessons. This has helped me achieve remarkable success in professional and personal life. I owe my success to the Institute and proud to be an alum”



Mr. Balraj Kunnath

Sr. Dir Mergers and Acquisition, Microsoft



“Graduating out of Sathyabama had taught me a lot of things, which helped me in my career and life. What ever i have achieved today in my career is only possible because of Sathyabama’s student life, which is not alone academics but also discipline and freedom for innovative thinking. I still maintain a lot of relationship with my staff and administration of Sathyabama, as i would like to contribute back to the institute on my learning with technology advancements in the world today to make sure the current students gains that knowledge. Today the institute has a lot more facilities in latest technologies and gives very good exposure for the students to enable them for the industry, when they step out. I am happy and would like to congratulate the institution for this great achievement and wish for the success forever..”

Mr. Boopathy Rajendran

Associate Vice President, Hexaware Technologies Ltd.



Scholarship & Support

The fruits of professional educational system should reach to the common man at an affordable level. Growth engines of the nation always be empowered with the inclusive model of education. Sathyabama is proud to impart these values in offering education to the poorest of the poor through various scholarship windows. Merit is the basis of admission, where the merit is respected and encouraged with scholarships starting from full tuition fee waiver to various percentages based on academic performance. The leadership is keen to support the economically weaker sections by providing education, food and medical services.

The institution adopted “Inclusivity approach” in supporting children of war-widows, orphans children, physically challenged, financially disabled, downtrodden children. We also helps “Under Privileged Students” of the society in continuing their higher education successfully by all means, right from providing free food, education and takes lot of care in shaping their lives. Numerous students of this category are enrolled in the campus through ANBU SCHOLARSHIP SCHEME. The institution offers scholarships to students who excel in academics. Scholarships are offered for meritorious students through “Remibai Jeppiaar Scholarship Scheme”. This performance based scholarship will encourage students and also helps the parents in continuing their children education. Acid victim children are given opportunity to continue their study with full scholarship is another initiative towards inclusive societal development.

“SCHOOL ADOPTION”, “ VILLAGE ADOPTION” are our initiatives in reaching out to rural and sub-urban areas. “SCHOOL ON WHEELS” is another innovative initiative to impart scientific thinking among school students. Various social outreach activities are organized by the “STUDENT DEVELOPMENT CELL” of the institution.

We conduct “SATHYABAMA ALL INDIA ENTRANCE EXAMINATION” all over India for admission into under graduation programs on merit basis every year in the mid of April. This is an online based examination conducted in all the major cities of the country. The institution is offering full tuition fee waiver for the top 25 students in this examination. This soil respects the Merit, Supports the Spirit of Humanity, and Cares the student Career.



Sports

Sports always played an important role in the evolution of the institution and claims a fair share in our progress. We are proud of not only having excellent sports facilities, but in having produced sportsmen of the highest caliber, who have represented the country in various disciplines like volley ball, basket ball etc. Student can chill out in playing games like Hockey, Foot ball, Cricket, Tennis and other indoor games. We encourage students in participation of the National and International tournaments and several students achieved laurels to the institution.

We are in association with AIU (Association of Indian Universities) host tournaments related to Chess, Taekwondo, Cricket, Squash and Basketball. We also conduct sports competitions to Corporates and School Students. The institution gives vital space for sporting talent. Related mega tournaments are organized in the campus to match the spirit of sport among the students.

We recently organised UBA Season-4 Pro Basketball League and 25th Year Dr.MGR Trophy Inter Institutional T20 Cricket Tournament. All India FIDE rating Chess tournament, South Zone Inter University Women Cricket Tournament, Wheel Chair Basket ball U-23 team training camp, All India Inter Squash Rackets Men & Women tournament are some of the major events hosted in the recent past. Playing for fun or pride, the best place is “Sathyabama”.



Serene and Safe Stay @ Campus

The Institute is housing 5 hostels for Boys and 5 hostels for Girls in a gargantuan area of 15,50,000 Square feet. Hostels are equipped with facilities such as Laundry, Fitness centre , Computer centre, Reading space and Mess. “SAFETY” is the prime objective in the campus and the institute is known as “SAFE HEAVEN” especially for girl students.

Induction of “Dr. JEPPIAAR BOYS HOSTEL” is the value addition of campus life. All the hostels possess well ventilated living rooms attached with bathrooms. Facilities such as 24X7 Medical support, Fax, Fitness studio, ATMs, Spa, Xerox and Courier service, Binding sections, Emergency transport system, Computer labs, Indoor stadium and Stores are the support systems for the SERENE and SAFE STAY.

The Hostels are in reachable distance from classrooms and sports facilities, to support the ease in mobility. All the academic and daily needs of the students are in the campus and within reach for each student, making hostel life pleasant and comfortable. HOSTEL CAMPUS is prominently known as “HOME AWAY FROM HOME”.





Boy's Gym



Boy's Hostel



Girl's Hostel



School of Computing

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
4 years	UG - 3 PG - 2	10	53,600 Sq. Ft.



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Departments and UG Programmes

- DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
B.E. in Computer Science and Engineering
- DEPARTMENT OF IT
B.Tech. in Information Technology
- DUAL DEGREE PROGRAMME

About School

The School of Computing has pioneered in setting education standards par excellence that can be sensed by the presence of alumni in all the leading multinational software firms like Microsoft, Infosys, Oracle, Verizon, Virtusa, Cognizant, Wipro etc.

Endowed with futuristic vision of generating sustained quality manpower for the ever increasing global demand of software firms. The SOC is equipped with state-of-the-art facilities to provide excellent and live training for the budding engineers. These facilities include collaborative research labs from Virtusa and CISCO with cutting-edge technologies.

SOC has research specialisation in Data Mining, Software engineering, Networks, Wireless networks, Sensor networks, Web Technology, Cloud Computing, Web Services, Computational Intelligence and

Entry Requirements

- A pass in the 10+2 / HSC/ ICSE or equivalent examination with Mathematics, Physics and Chemistry with an average of 60% marks and above (in Mathematics, Physics and Chemistry)
- Candidate opting for UG programmes should appear for Mathematics, Physics and Chemistry in the Sathyabama Entrance Examination

Big data. The School has funded projects from Department of Science and Technology (DST) in various disciplines. The academic projects are

well co-ordinated to cultivate creative thinking and practical problem solving abilities among students through Industry-Institute collaboration efforts. This includes various campus development student projects from government institutes like BHAVANI and BARC.

School of Computing always stands out with maximum number of students, consistently recruited in our campus placement. Further, the entrepreneurship capabilities of students are constantly revived through departmental workshops and research conferences, which are conducted periodically in collaboration with leading technical experts and contemporary managerial gurus.

Career Opportunities

Widespread deployment of Computers in all the fields increased the demand for the Information Technology that provides ample job opportunities. The major domains in which the IT plays a major role include Business Data Maintenance, Business Communication, Finance Sector (banking and insurance), Manufacturing and Services Industry, Defense, Industrial Control, Medical, Aerospace, Automobile, Telecommunications, Data Analysis, Scientific and Industrial Research and much more. There is always a rise in the requirement of Information Technology Professionals globally.

Prime Points

- The School is equipped with DST FIST Sponsored CLOUD LAB AND WIRELESS SENSOR LAB.
- The School is associated with IBM System for Centre of Excellence with IBM Innovative Center for Education, CCNA / CCNP certification programme in association with CISCO, Java IoT Developer certification in association with ORACLE, Linux Certification programmes in association with RedHatLinux and Certification Programmes in association with CDAC
- The automation support and software development for the institution is carried out by the School
- Sponsored research projects amounting to Rs. 2.50 Crores
- Mobile Application Development and Rich Internet Applications in association with Virtusa
- Enrichment programmes in the domains of Digital Marketing and Hardware Servicing
- The School is comprised of exclusive Google Club, Microsoft Club, Mozilla Club and WoMoz Club
- International Internships and International Summer School Certification Programmes

School of Electrical and Electronics Engineering

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
4 years	UG - 4 PG - 11	30	1,10,100 Sq. Ft.



Departments and UG Programmes

- DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.E. in Electronics and Communication Engineering
- DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
B.E. in Electrical and Electronics Engineering
- DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING
B.E. in Electronics and Telecommunication Engineering
- DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
B.E. in Electronics and Instrumentation Engineering

About School

School of Electrical And Electronics Engineering consistently and competently drives towards excellence through the

departments of Electronics and communication Engineering, Electronics and Telecommunication Engineering, Electrical and Electronics Engineering, Electronics and Instrumentation Engineering. With a strong emphasis on converting science to technology, the prime focus

of the School is to impart quality education through hands on training, workshops and research in the frontiers of VLSI Design, Power Electronics, Embedded systems,

Wind Energy, Nanotechnology and Telecommunications.

The School association with Texas

Entry Requirements

- A pass in the 10+2 / HSC/ ICSE or equivalent examination with Mathematics, Physics and Chemistry with an average of 60% marks and above (in Mathematics, Physics and Chemistry)
- Candidate opting for UG programmes should appear for Mathematics, Physics and Chemistry in the Sathyabama Entrance Examination

Instruments has resulted in Embedded Systems and IOT laboratory where students are exposed to industrial environment. The School possess Vector Network Analyzer (10 GHz) in

order to facilitate RF Communication Measurements and Testing. The students and staff are continuously motivated to actively participate in

research through sponsored research projects by utilizing the facilities of International Research Centre . Innovative thinking is encouraged by providing challenging opportunities in research and academics to students and staff. The students not only excel in state of art technologies in the field of specialization but

also shows excellent skill in problem solving, software development and testing.

Career Opportunities

Our curriculum is designed in such a way to cater the needs of core and software companies. Wide spectrum of opportunities for placement in dream companies, which are not only limited to the area of study but also to other specializations. Some of our major recruiters are Samsung, HP Electronics, NTT Data, MBIT Wireless, Wipro, HCL Technologies, Infosys, Capgemini, L & T Infotech, Techmahindra.

Prime Points

- The School has developed on board communication subsystem, ground station control, electronic power supply design, attitude determination control systems, calibration of spectrometer and dataprocessing in the design of “Sathyabama nano Satellite”
- The School hosts Centre of Excellence for Embedded Programming and IC Design in association with CDAC, Pune, where students works with simulation software tools like Cadence, Mentor Graphics and HFSS
- Numerous research projects sponsored by government organizations like DST, IGCAR, BRNS, BRFST, TNSCST, ISRO, DRDO
- Technical fora, student magazine and various student development avenues help the students to transform as credible technical manpower for the electronics industry
- Students are associated with professional bodies such as IEEE, ISOI, ISA, IETE to enhance the technical strengths.
- Active participation in student development cell to exhibit his prowess in the fields of science, mathematics, literature, community development and green technology
- Association with research centers like Centre for waste management, Centre for nanotechnology, Centre for Quality Assurance and Non Destructive Evaluation to quench the thirst for research
- Excellent Industry - Institute Interaction has resulted through Memoranda of Understanding with industries like Reliance Jio, BSNL, CDAC and many others

School of Mechanical Engineering

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
4 years	UG - 4 PG - 5	27	1,53,300 Sq. Ft.



Departments and UG Programmes

- DEPARTMENT OF AERONAUTICAL ENGINEERING
B.E. in Aeronautical Engineering
- DEPARTMENT OF AUTOMOBILE ENGINEERING
B.E. in Automobile Engineering
- DEPARTMENT OF MECHANICAL ENGINEERING
B.E. in Mechanical Engineering
- DEPARTMENT OF MECHANICAL AND PRODUCTION ENGINEERING
B.E. in Mechanical and Production Engineering

About School

The School of mechanical engineering caters to its students with exceptional tutorial and state-of-the-art laboratories. The school of Mechanical Engineering is continuously striving to achieve excellence in education, academic and industry oriented research, consultancy work as well as Technology and Product incubation with service to the society.

The School aim to provide students with a perfect blend of intellectual and practical experiences that helps them to serve our society and address a variety of needs. The prime objective of the school is to mould the students

in reaching their goals at National and International Sphere.

Students are encouraged to participate in various inter collegiate/ university

visits and guest lectures are organized regularly in addition to the regular curriculum to keep them abreast with the recent advances in the technology.

Entry Requirements

- A pass in the 10+2 / HSC/ ICSE or equivalent examination with Mathematics, Physics and Chemistry with an average of 60% marks and above (in Mathematics, Physics and Chemistry)
- Candidate opting for UG programmes should appear for Mathematics, Physics and Chemistry in the Sathyabama Entrance Examination

At the end of the programme, students are prepared for entry-level work as a mechanical engineer. Academic course work and projects are designed to endow students with the ability to apply knowledge of science, mathematics, and engineering. The capability to work effectively in multidisciplinary teams, providing leadership and technical expertise in the student is ensured.

sports, work shops & seminars conducted by various colleges & organizations. Projects tour, industrial

Career Opportunities

Students are fit enough to be placed in the core industries such as Renault Nissan, TAFE, Emerson, FL Smidth, Motorshonywell, Ford, Honda, Toyota etc. Student can also find ample number of opportunities in R&D organizations, Aircraft Design, Automotive transportation and Pilot Astronaut and many other domains.

Prime Points

- Centre of Excellence for Collaborative Product Design & Development
- Entrepreneurship Development Cell - EDC
- Industry Institute Partnership Cell(IIPC)
- Group of students participated in the National and International SAE BAJA, NASA competition and won remarkable prizes
- Training in domains such as Non destructive testing, Pilot Training are offered to the students
- Students are trained as highly skilled pilots by piloting the micro light aircrafts
- Will on Wheels – A disabled friendly car, which was designed by students and staff
- Periodical workshops and vehicle design competitions for nurturing technical talent of students
- Aero students are offered special training from licensed light weight aircraft pilots

School of Bio and Chemical Engineering

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
4 years	UG - 4 PG - 11	22	56,900 Sq. Ft.



Departments and UG Programmes

- DEPARTMENT OF BIOTECHNOLOGY
B.Tech. in Biotechnology
- DEPARTMENT OF BIOINFORMATICS
B.Tech. in Bioinformatics
- DEPARTMENT OF BIOMEDICAL ENGINEERING
B.Tech. in Biomedical Engineering
- DEPARTMENT OF CHEMICAL ENGINEERING
B.Tech. in Chemical Engineering

About School

The School of Bio & Chemical Engineering is a paradigm of technical innovation amalgamated with four different Departments of Biotechnology, Biomedical Engineering, Bioinformatics and Chemical Engineering.

The school mission is to drive excellence in education and training thereby, led to create a common platform for connecting academic and industry in the exchange of knowledge.

Apart from fulfilling the requirements of the syllabus, the programme also offers students to work with latest technology. The school involves in major domains like industrial areas, health care (medical), crop production and agriculture, fertilizers, industrial uses of crops, products like biofuels, pharmaceuticals and environmental

uses. Bioengineering has application of scientific and engineering principles to the processing of material by biological agents to provide goods and services even at the cellular and molecular level.

Entry Requirements

- A pass in the 10+2 /HSC/ICSE or equivalent examination with Biology/Mathematics, Physics and Chemistry with an average of 60% marks and above (in Biology/Mathematics, Physics and Chemistry)
- Candidate opting for these programmes should appear for Biology or Mathematics, Physics and Chemistry in the Sathyabama Entrance Examination

The School possess well qualified passionate and skilled faculty from diversified inter-disciplinary fields like Microbiology, Biochemistry, Biotechnology, Chemical Engineering, Environmental Engineering, Bioinformatics, Molecular modeling, Systems biology, Computational

biology, Immunology, Drug design, Biomedical Instrumentation, Medical Electronic Devices, Digital Signal Processing, Digital Image Processing and Medical Pathology. The faculties' experience and expertise foster the

research and developmental activities to achieve various sponsored and collaborative research projects funded by DST, DBT, IGCAR, ISRO and MNRE in major thrust areas like Nanotechnology, Stem cell Research, Anticancer studies, Biodegradation, Secondary metabolites production, Drug design, Genomics, Molecular dynamics and simulations, high performance computing and systems biology.

Synergize the efforts of the students and faculty to evolve innovative engineering practices, teaching methodologies and generate an environment of continuous learning and research.

Career Opportunities

Students are motivated to work with Center for Bio resource Research & Development, Centre for Ocean Research, Centre for Nanoscience and Nanotechnology, Centre for Waste Management, Centre for Laboratory Animal Technology & Research. This would enrich them with expertise needed to conquer global opportunities, scientific positions in R&D labs and in leading Bio and Pharma Industries.

Prime Points

- The school has also DST – FIST sponsored laboratory and GE – Sathyabama Centre for Excellence in Health care facilities
- Hands on training in different instruments and Software
- Initiation towards interdisciplinary research activities
- Agility and adaptability in building and maintaining productive partnerships with industry, business and the community
- Strong nexus between teaching and research
- The School boasts an Institutional membership with Society of Biomaterials and Artificial Organs (SBAOI), India, Student Chapter of Society of Biomaterials and Artificial Organs, Chennai Chapter with around 50 life members

School of Building and Environment

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
4/5 years	UG - 2 PG - 5	17	34,000 Sq. Ft.



Departments and UG Programmes

- DEPARTMENT OF ARCHITECTURE
B.Arch. – Bachelor of Architecture (5 years)
- DEPARTMENT OF CIVIL ENGINEERING
B.E. in Civil Engineering (4 years)

About School

We envision developing the School of Building and Environment as a State of the art Research Centre in creating responsive Built Environment through energy efficient and structurally stable infrastructure and foster our students to face the challenges of the Dynamic World. Objectives of the School are nurturing students in the exploration of skills, their creativity in design, and their expressions, creating a platform to collaborate on projects in developing innovative strategies in the built environment with the integration of research skills in the

Entry Requirements

- A pass in the 10+2 /HSC/ICSE or equivalent examination with Mathematics, Physics and Chemistry with an average of 60% marks and above (in Mathematics, Physics and Chemistry), in addition to this requirement, a valid NATA Score with an average of 80 marks out of 200 is must for B.Arch. Programme.
- Candidate opting for these programmes should appear for Mathematics, Physics and Chemistry in the Sathyabama Entrance Examination.

a strong faith in the profession through our unique teaching methodologies.

Students gain practical experience from field visits to industries, various buildings, diverse building typologies, irrigation structures and construction sites. We foster different thinking skills by organizing open ended workshops revolving around creativity, eco-centric ideals through collective participation. Various opportunities to construct knowledge intrinsically are facilitated tangibly as well as

making of the society, demonstrating intangibly.

Career Opportunities

The graduates from the school have made significant contributions in the development and implementation of Civil Engineering projects globally. Students have secured admissions in advanced specialization like Emergent Technologies in prestigious Universities like Architecture Association, London, University of Manchester, University of Nottingham and University of Glasgow, United Kingdom. The School alumni hold prestigious positions in leading academic institutions, industry and government establishments.

Prime Points

- Design build workshops are integrated with the curriculum
- Hands on training programs in emerging software
- Achievements of Faculty and Students at National and International Forums
- Freedom of Collaborative Functioning and proficient in Team Work Performance
- Regular Visiting Faculty, Practicing and Eminent Architects/ Structural Engineers
- Regular Site visits and Collaborated Workshops
- Closely associated with Industrial Organizations, NGO's & Various Professional Bodies
- In the GHRDC Architecture Colleges Survey 2017, the Department of Architecture has bagged the 3rd overall rank in excellence.
- Won the Indo Global Architecture Education Excellence Award in December, 2015 by Indo Global Chamber Of Commerce, Industries And Agriculture, India
- Approved for the prestigious Limca book of Records in the year 2015 for creating the largest back drop with recycled pet bottle caps

School of Business Administration

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
3 / 2 years	UG - 2 PG - 1	1	13,900 Sq. Ft.



Departments and UG Programmes

- DEPARTMENT OF MANAGEMENT
B.Com. – Bachelor of Commerce
B.B.A. – Bachelor of Business Administration

About School

The School offers Undergraduate, Post graduate and Ph.D programmes in Management. The school works with an undeterred zeal to offer its students the best of the education and experience. Our education system is anchored in the fundamentals of general management with the latest theories and best practices in the corporate world. The pedagogy is specially designed to create a healthy learning environment, a blend of theoretical concepts and application oriented experiences through case studies, internships and professional trainings. Great emphasis is laid on the quality of its faculty,

who are a good blend of seasoned academicians with Ph.D. and experts from the industry. The school focuses

Entry Requirements

- B.Com / B.B.A. (3 years): A 10th and +2 first class from State / CBSE / ICSE with minimum of 60% in Accountancy, Commerce, Economics / Computer Science
- MBA(2 years): A Bachelor's degree in any discipline with 10+2+3 system with at least 60% in group subjects

on ensuring that learning outcomes are clear, relevant, and achieved. The admirable infrastructure includes smart classrooms and ICT enabled

learning. Research opportunities are provided to the students to promote their learning through action. Industry association to ensure further enrichment of academic content is consistently ensured. The school also is privileged to have received grants and funds from MWCD, MSME, TNCDW, EDI, NHRC, DST, IGCAR etc. The school takes pride in its commitment to internationalization of all core activities to enable the students to have a valuable experience that prepares them well for their intellectual, professional lives.

Career Opportunities

The School of Management also offers several value added certification courses aimed at equipping the budding managers with need based skill sets and placement training programs covering aptitude tests, Group Discussions and Mock Interview for enhancing their employability. Placement in blue chip companies such as T.V.S, BharatiAxa, Punjab National Bank, Royal Bank of Scotland, ICICI prudential and The Bank of New York is a testimony for the career opportunity that the School provides.

Prime Points

- Admirable infrastructure with laboratories for hands on training
- Well defined curriculum which enables holistic learning experience
- Special provision for earning while learning through projects
- Excellent placement record
- Successful entrepreneurial ventures supported by the management
- Practicum and on the job learning through internships at industries
- Professional training on tools and techniques of management and certification
- Industry tie-up and membership in professional bodies to enhance learning and development
- Exposure to current advancements through seminars and conferences

School of Arts, Science and Humanities

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
3 years	UG - 7 PG - 7	11	61,500 Sq. Ft.



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Departments and UG Programmes

- The School comprises of Departments of Mathematics, English, Physics, Chemistry and Visual Communication.
- The School offers B.Sc. in Visual Communication, Physics, Chemistry, Computer Science, Electronics, Hotel Management and Catering Technology and B.A. in English.

About School

The School of Arts, Science and Humanities is a team with a strong research orientation and excellent teaching provision. The programmes are built around the knowledge and skills that employers require. The faculty work with student from day one to develop the employability credentials that will stand them in good stead in today's fast-paced competitive world.

The School includes Department of English, Mathematics, Physics, Chemistry, Hotel Management and Catering Technology and Visual Communication.

The School have sponsored research projects worth around Rs. 1.85 crore from various funding agencies namely DST, DRDO, ISRO and UGC-DAE.

Entry Requirements

- A pass in the 10+2 /HSC/ICSE or equivalent examination with 60% and above marks in relevant group subjects

The faculty members have participated and presented their research findings at various conferences/workshops at international level. The list covers Max Planck Institute for Solid

State Research, Stuttgart, Germany, African institute of Mathematical Sciences, Cape town, South Africa and Singapore.

We have collaborative WoS indexed publications with IITM and University of Western Ontario, Canada.

Faculty members have enriched their credentials by participating in FDPS sponsored by INSA and DST-SERB.

Career Opportunities

Learner centric approach was followed in teaching and internships those facilitate students to pursue courses at their own pace enhances career opportunities in major R&D laboratories like DRDO, ISRO, Semiconducting Research Laboratories, IBM, Space technology, Astronomy, instrumentation, Atmospheric sciences, Ocean research, Pharmaceutical Companies, Noise Control, Chemical industries and in entertainment industry.

Prime Points

- FIST (Fund for Improvement of Science and Technology Infrastructure) lab in Physics Department
- Nobel Laureate visited our campus during Preconference meet (Prof. Walter Kohn) and another Nobel Laureate (Prof. Douglas Dean Osheroff) interacted with the students and eminent scientists from various research institutions in and around south India through video conference during International Conference (ICRAPID-2014) conducted by Physics department
- Funded Projects from DST-SERB, DRDO-ER & IPR, DRDO-CARS, ISRO, CSIR, IGCAR Physics - 4 projects and Chemistry - 5 projects.
- Faculty members of Mathematics and English impart personality development, soft skills and placement training to our students at the tertiary level
- In-house activities-Research Interactive Talk (RIT), Series of Guest Lectures by Scientists of CSIR Laboratories, Central University, IITM, NPL, etc
- By identifying the level of the students, special coaching is provided besides preparing them to future competitive examinations and assessment tests like TOEFL, IELTS, and BEC programmes
- Excellent Photography Lab, Television Production Lab, Sound Studio Lab, Editing Lab, Multimedia Lab ensures that you acquire not only subject-specific skills, but also helps students to develop a broad range of personal skills and knowledge
- The Department of Viscom conducts number of media events, photography exhibitions, short film festivals, interactive sessions with prominent media, cinematography personalities

School of Medicine

			
DURATION	PROGRAMMES OFFERED	LABORATORIES	AREA
5 years	UG - 1	22	55, 450 Sq. Ft.



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Departments and UG Programmes

- The School of Medicine offers Bachelor of Dental Surgery (BDS) of 5-year duration (including one year of compulsory internship). First and second year are pre-clinical, where the students are trained in basic sciences and model work.
- Students start working on patients from 3rd year onwards.

About School

The School aim is to lay a strong foundation for our students in dentistry to face the global challenges in the future. It focuses on promoting scientific thinking and meets the requirements of students who wish to practice dentistry. This five-year Bachelor of Dental Surgery (BDS) programme draws on the strengths of the Multi Specialty Dental and General Hospital in the dental college, housed in a large building with spacious laboratories, classrooms and well-planned Clinical Departments.

The programme is designed with an objective to help students pursue a career in general dentistry and

specialization thereafter. The college is housed in a spacious, well-planned building, which accommodates all the departments, equipped with state of

Entry Requirements

- A pass in the 10+2 /HSC/ICSE or equivalent examination with Biology, Physics and Chemistry with an average of 60% marks and above (in Biology, Physics and Chemistry)
- As per the Supreme Court order, eligible NEET SCORE is mandatory

the art facilities. Our well-equipped laboratories and infrastructural facilities are inseparable segments of the excellent academic activities.

The students are given a strong foundation in Basic Medical Sciences of Anatomy, Biochemistry, Physiology, Pharmacology, General Pathology & Microbiology and also General Medicine & Surgery.

The School helps in study & practice of dental specializations of ORAL & MAXILLO-FACIAL PATHOLOGY, ORAL MEDICINE & RADIOLOGY, ORAL & MAXILLOFACIAL SURGERY,

P R O S T H O D O N T I C S , CONSERVATIVE DENTISTRY & ENDODONTICS, PEDODONTICS, PERIODONTICS, ORTHODONTICS and COMMUNITY DENTISTRY.

Career Opportunities

On completion of BDS, students have the options of setting up their own practices, or pursuing specialization in the 9 specialties. These give students valuable insights into the opportunities after BDS in Higher Education, Academic & Clinical practice and overseas opportunities. Dental graduates are trained to address the dental health and social care challenges of the 21st century.

Prime Points

- Various MOU'S made with nearby Villages, Schools & Industries
- Established peripheral center at St Anthony's Church, Palavakkam
- School of Medicine comprises of exclusive library, four lecture halls, medical stores, examination halls, auditorium and ten clinical departments
- Regular quality check in our programs conducted ensured the best manpower for the society.
- The variety of case studies that the students get during the course of study helps them to get the needed expertise in this field
- School comprises of 10 clinical departments. Students are also trained in community dental care through dental camps organized in and around Chennai
- The School organizes student-enrichment programmes like CDEs, Seminars, Guest Lectures and Symposia
- Various programmes conducted to ensure the students to get valuable insights into the opportunities after BDS in Higher Education, Academic & Clinical fields
- The School organizes mega dental camps in and around Chennai as a part of social outreach activities

HOW TO APPLY

Admission to all Bachelor of Engineering/Technology Programmes are carried out on the basis of rank secured in Sathyabama All India Entrance Examination. Information regarding the issue of application forms for entrance examination and other details are available in the Sathyabama Institute of Science and Technology website.

Admission to all the Post Graduate Programmes and other Under Graduate arts and science Programmes (not coming under the ambit of entrance exam) are based on the marks secured in the qualifying examination.

There are no other branches for the Sathyabama Institute of Science and Technology or affiliated colleges anywhere in India.

Admission Office:

Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119, Tamilnadu, India.
Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55
Entrance Examination Office: 044-24502436
entranceexam2017@sathyabama.ac.in
Fax: 044 - 2450 2344
Toll Free Number - 1800 425 1770
www.sathyabama.ac.in

Examination Centres

Andaman & Nicobar: Port Blair
Andhra Pradesh: Ananthapur, Cuddapah, Guntur, Kurnool, Nellore, Ongole, Rajahmundry, Tirupati, Velivennu, Vijayawada, Visakhapatnam
Assam: Guwahati **Bihar:** Patna **Chhatisgarh:** Bilaspur **Gujarat:** Ahmedabad **Maharashtra:** Mumbai
Jharkhand: Ranchi **Karnataka:** Bengaluru
Kerala: Ernakulam, Thiruvananthapuram
Madhya Pradesh: Bhopal **New Delhi**
Odisha: Bhubaneswar, Puducherry **Rajasthan:** Kota
Tamilnadu: Chennai, Coimbatore, Madurai, Nagercoil, Salem, Tanjore, Tirunelveli, Trichy, Viluppuram
Telangana: Hyderabad, Karimnagar, Warangal
Tirupura: Agartala **Uttar Pradesh:** Lucknow
West Bengal: Kolkata

VISIT US

Chennai is the gateway to the southern part of India. Chennai is a traditional city and is a “Detroit of India”. The City is well known for its tourism and hospitality, which includes UNESCO Heritage Site of Mahabalipuram. City is also known as HEALTH CARE HUB of India. Various places in the city such as Zoo, Wildlife parks and beaches are recreation centers for the visitors. Chennai can be reached by air, rail and road from all parts of the country.

Sathyabama Institute of Science and Technology is located on Rajiv Gandhi Salai (earlier known as Old Mahabalipuram Road) and in easy reach to the students from all corners of the city.

Sathyabama Institute of Science and Technology

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You can reach us from:

Central Railway Station	:	27.9 Km
Egmore Railway Station	:	26.6 Km
Tambaram Railway Station	:	17.6 Km
Airport	:	25.5 Km
Koyembedu Bus Terminal	:	29.5 Km

STAFF ZONE



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