



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

**DEEMED TO BE UNIVERSITY, ESTABLISHED U/S 3 OF THE UGC ACT 1956
CHENNAI**

Approved by AICTE & Accredited by NAAC

www.sathyabama.ac.in



PROSPECTUS



Vision of Founder Chancellor

As a pioneering institution, Sathyabama has earned laurels in all fields of engineering by providing extreme talents to the aspiring students. The principles of discipline and hospitality have added glories to the institution. Education that leads to an extremely beneficial career, that creates professionals developing technologies and products for the societal needs and creates harmony among citizens has been the never forgone vision, which has made Sathyabama as one among the top institutions in India. The institution is known for imparting Quality Education for producing high quality technical manpower to the nation. Sathyabama is familiar for offering quality education for decades and today it serves as an attractive destination for students across the globe.

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



A Message from Chancellor

Sathyabama is the epitome of excellence for various domains of research and academics. World class infrastructure supports the vision and mission of the institution with a value addition of dedicated, highly qualified teaching fraternity. We uphold our value system with continuous efforts in implementation. Our promise to our stakeholders is simple: Believe us, we always respect and live up to your belief.

The Institution offers 48 undergraduate programmes and 22 postgraduate programmes in diverse fields of education. State of the art Library, International Research Centre and "COL. Dr. JEPPIAAR RESEARCH PARK" providing rich experience of learning and thereby fulfilling students' thirst for success. The research activity is progressive and proactive with numerous active projects, which were sanctioned by various reputed national organizations.

Our students are our asset; commitment is the secret of our success; our values are our strengths. Students, Parents, Industrial and Academic partners support has been immense in our journey. We are happy to invite young minds to our fold every year and so become instrumental in the saga of our success..

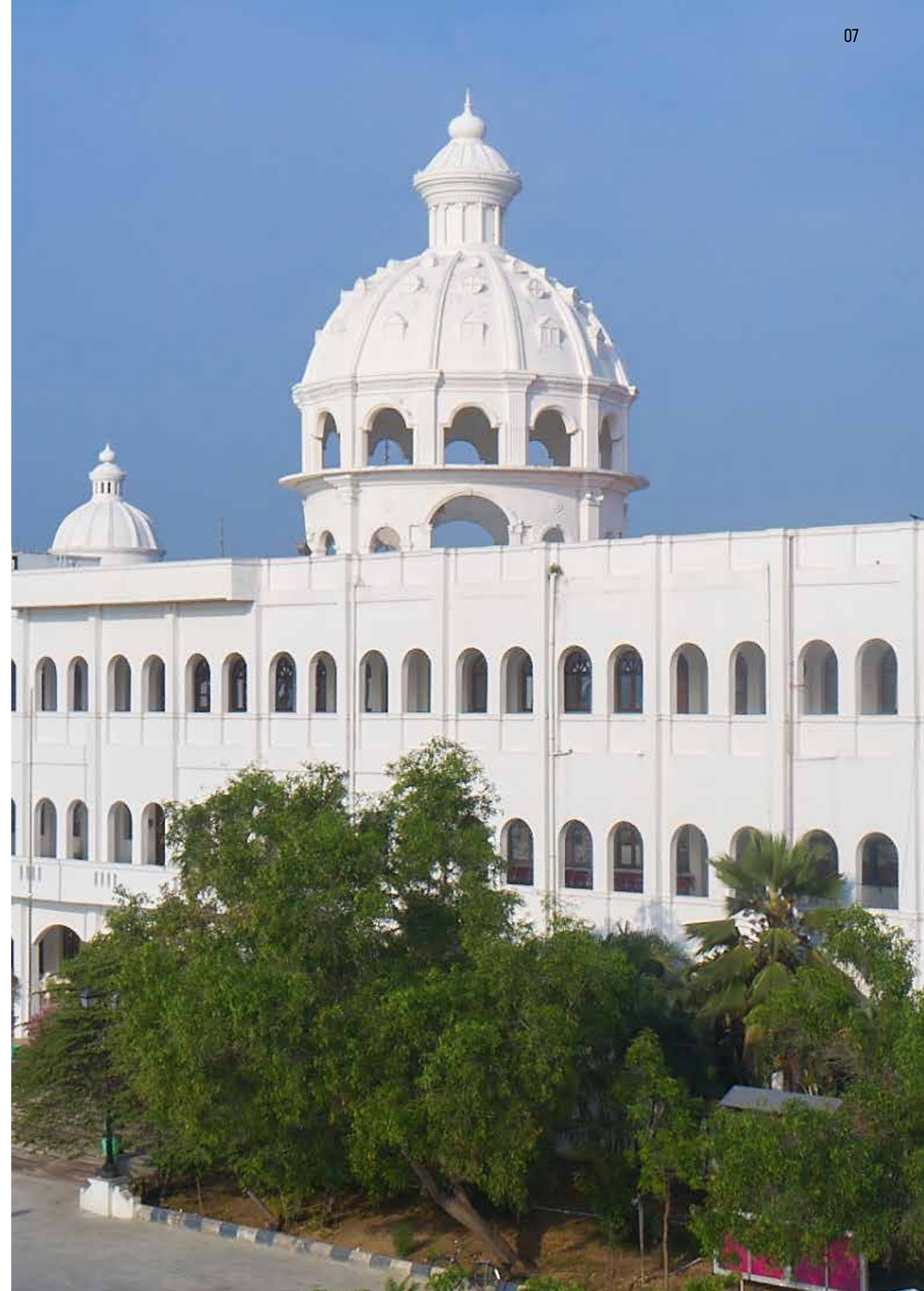
Dr. Mariazeena Johnson, B.E., M.B.A., M.Phil., Ph.D.,
Chancellor, Sathyabama Institute of Science and Technology
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A Message from Vice Chancellor

Knowledge is Power. Sathyabama Institute of Science and Technology has made several achievements. in its pursuit for excellence, in education and creating a society that is humane, inclusive and sustainable, for the past 34 years. Our Vision is to reach the pinnacle of Excellence as an institution that is bestowed with great academic and research capabilities. Highly inspired and motivated Faculty members and their involvement in academic and research activities keeping the institution in the trajectory of success. I am confident that our faculty will be able to quickly respond to the changes happening in the teaching environment and successfully transform themselves to the digitalized environment. As educators, it is our moral duty to guide and support the students and help them achieve their academic and personal goals and ensure that the benefits of education reach out the students with different abilities and needs. We should equip our students with the 21st century skill set and groom them as responsible citizens, who will give back to the community.

Our future is full of challenges and we should be prepared to face them with the determination to succeed. With the clear vision and the able leadership of our management, we will surely progress as an Institution that will be a benchmark for other educational institutions in the country. Owing to its agility, Sathyabama will become an Institution of choice for students across the world. Let us positively move towards this objective.

Dr. T. Sasipraba, M.E., Ph.D.,
Vice Chancellor , Sathyabama Institute of Science and Technology
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About Our Institution

Sathyabama Institute of Science and Technology is a prestigious institution that has niched a mark of excellence in the fields of Engineering, Science and Technology for more than three decades by means of offering exemplary education. The institution is offering multi-disciplinary academic programmes in various fields of Engineering, Technology, Architecture, Law, Dental Science, Pharmacy, Nursing, Management, Arts, Science and Humanities and Allied Health Sciences.

Sathyabama Institute of Science and Technology (A Christian Minority Institution) formerly known as Sathyabama Engineering College was established in 1987 by Dr. Jeppiaar and is under Sec.3 of UGC Act, 1956. Sathyabama Institute of Science and Technology has been consistently reaching milestones in academic and research arenas with the divine blessings of our Founder Chancellor Colonel Dr. JEPPIAAR The believers of better tomorrow and potential thinkers of holistic development of students; Dr. Mariazeena Johnson, Chancellor, Dr. Marie Johnson, President and their continuous efforts ensuring the best results to the institution. Mr. Arul Selvan and Mrs. Maria Bernadette Tamarasi, Vice Presidents of the institution are supporting and contributing to the growth of the institution.

Dr. T. Sasipraba, Vice Chancellor, Dr. E. Logashanmugam, Pro Vice Chancellor, Dr. S. S. Rao, Registrar, Dr. B. Sheela Rani, Director Research, Dr. G. Sundari, Director Administration, and Dr. Igni Sabasti Prabu, Controller of Examinations are providing the necessary administrative support system.

The Institution has been awarded as Category "A" Deemed University by Ministry of Human Resources Development (MHRD), Government of India. The institution been Accredited with 'A' Grade by the National Accreditation and Assessment council. Most of the programmes offered by the institution are accredited by National Board of Accreditation (NBA) and also the approval and recognition of all the relevant statutory and regulatory bodies/councils. The Institution is awarded with 12B status by University Grants Commission (UGC) in the year 2020.

Sathyabama has a remarkable presence in rankings and ratings at National and International level. The Institution has been ranked in 40th position by the National Institutional Ranking Framework (NIRF), Government of India among the Universities in India for the year 2021 and ranked one among the top 50 Universities for six consecutive years. Sathyabama is ranked among the Top 5 Institutions in the Country for Innovation by ATAL ranking of Institution

for Innovation Achievements, Govt. of India. Times Higher Education and QS has ranked Sathyabama among the top Institutions worldwide. Sathyabama Institute of Science and Technology has alliances with leading Universities and research establishments at National and International Level.

The Institution offers 48 programmes at UG level and 22 programmes at PG level in all disciplines. The Institution has excellent infrastructure facilities including modern laboratories, library with multimedia facilities, internet and other general amenities.

The Institution persistently seeks and adopts innovative methods to improve the quality of higher education and is responsive to the changes taking place in the field of education on a global scale. The Institution has a team of dynamic and outstanding faculty; innovative pedagogical practices, state of the art infrastructure and world class Research Facilities. 90% of the eligible students get campus placement with more than 350+ companies visiting campus every year. Sathyabama has emerged as a leading Institution and achieved excellence in higher education to global standards owing to its research and academic excellence.

International Research Centre and Col.Dr.Jeppiaar Research Park comprising research excellence centers enabling this campus as a research intensive destination with world class laboratories, research facilities and active research is going on in all the thrust areas. Sathyabama has undertaken various sponsored and collaborative R&D projects funded by National and International Organizations. Sathyabama 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 Academic partnership and International Relations engaged in MOUs with several international universities. The Institution 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 practice and teach to students that "RIGHTLY POLARIZED EFFORTS ALWAYS LEAD TO SUCCESS". Our operational mechanism is built on the concept of "LEARN TODAY AND LEAD TOMORROW". We aim to be the destiny for producing 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.E. - Computer Science and Engineering With Specialization In Internet of Things
- B.E. - Computer Science and Engineering With Specialization In Data Science
- B.E. - Computer Science and Engineering With Specialization In Artificial Intelligence
- B.E. - Computer Science and Engineering With Specialization In Artificial Intelligence and Robotics
- B.E. - Computer Science and Engineering With Specialization In Artificial Intelligence and machine learning
- B.E. - Computer Science and Engineering With Specialization In Block Chain Technology
- B.E. - Computer Science and Engineering With Specialization In Cyber Security
- B. Tech. - Information Technology
- B.Sc. - Computer Science
- B.Sc. - Computer Science With Specialization In Artificial Intelligence
- M.E. - Computer Science and Engineering
- M.Sc. - Computer Science



SCHOOL OF ELECTRICAL AND ELECTRONICS

- B.E. - Electronics and Communication Engineering
- B.E. - Electrical and Electronics Engineering
- M.E. - Embedded Systems and IOT
- M.E. - Applied Electronics
- M.E. - Power Electronics and Industrial drives

SCHOOL OF MECHANICAL

- B.E. - Aeronautical Engineering
- B.E. - Automobile Engineering
- B.E. - Mechanical Engineering
- B.E. - Mechatronics
- B.Sc. - Aviation
- M.E. - Computer Aided Design

SCHOOL OF BIO AND CHEMICAL

- B.Tech.- Biomedical Engineering
- B.Tech.- Biotechnology
- B.Tech.- Chemical Engineering
- B.Sc. - Bioinformatics and Data Science
- B.Sc. - Biochemistry
- B.Sc. - Biotechnology
- B.Sc. - Microbiology
- B.Sc. - Marine Biology
- B.Sc. - Clinical Nutrition and dietetics
- B.Sc. - Medical Lab Technology
- M.Tech. - Biotechnology
- M.Tech. - Medical Instrumentation
- M.Sc. - Medical Biotechnology and Clinical Research
- M.Sc. - Bioinformatics and Data science

SCHOOL OF BUILDING AND ENVIRONMENT

- B.E. - Civil Engineering
- B.Arch.- Bachelor of Architecture (5 years)
- B.Des. - Bachelor of Design (Interior Design)
- B.Sc. - Fashion Design

- M.E. - Structural Engineering
- M.Arch.- Building Management
- M.Arch.- Sustainable Architecture

SCHOOL OF MANAGEMENT STUDIES

- B.Com.- Bachelor of Commerce
- B.Com.- Financial Accounting
- B.B.A. - Bachelor of Business Administration
- M.B.A. - Master of Business Administration

SCHOOL OF ARTS, SCIENCE AND HUMANITIES

- B.A. - English
- B.Sc. - Visual Communication
- B.Sc. - Physics
- B.Sc. - Chemistry
- B.Sc. - Mathematics
- B.Sc. - Psychology
- M.A. - English
- M.Sc. - Physics
- M.Sc. - Chemistry
- M.Sc. - Mathematics
- M.Sc. - Visual Communication

SCHOOL OF DENTAL SCIENCES

- B.D.S. - Bachelor of Dental Surgery
- M.D.S. - Paedodontics and Preventive Dentistry
- M.D.S. - Conservative Dentistry and Endodontics
- M.D.S. - Orthodontics and Dentofacial Orthopedics

SCHOOL OF PHARMACY

- B. Pharmacy - Bachelor of Pharmacy (4 Years)
- D. Pharmacy - Diploma of Pharmacy (2 Years)

SCHOOL OF NURSING

- B.Sc. Nursing - Bachelor of Science in Nursing (4 Years)

SCHOOL OF LAW

- L.L.B - Bachelor of Law (3 Years)
- B.Com. LL.B.(Hons)- Bachelor of Commerce and Bachelor of Law (5 Years)
- B.A. LL.B. (Hons) - Bachelor of Arts and Bachelor of Law (5 Years)
- B.B.A. LL.B.(Hons) - Bachelor of Business Administration and Bachelor of Law (5 Years)

RESEARCH PROGRAMMES

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

- Ph.D. - Doctor of Philosophy

ONLINE DISTANCE LEARNING PROGRAMMES

- B.Com.- Bachelor of Commerce
- B.B.A. - Bachelor of Business Administration
- M.B.A. - Master of Business Administration
- M.A. - English
- M.Sc. - Mathematics



SATHYABAMA CAMPUS

The campus greets with greenery, treats with smiles of people, yields the sense of intellectual satisfaction. IT Highway hosts Sathyabama Institute of Science and Technology, which is nearer to any dense part of the city of Chennai. This is an ecofriendly environment filled with ideas of synergy.

Sophisticated Infrastructure

Academic blocks with well-ventilated classrooms, Flipped Classrooms, Smart classrooms, Spacious dining halls, Bakery, Hostels with integrated facilities are serving as the platforms for student deliberations. 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 and wi-fi facility. Dedicated food stalls with modern-architectural designs serve students with delicious menu.

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. These centres are busy in connecting the International Research Community with our ever enthusiastic students.

Library

Our monumental central library houses thousands of distinct collection of technical and nontechnical 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.

Library 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 CDs are archived to support the student in improving communication skills. Preparation to competitive examinations like GATE, IES, TOEFL, GMAT and IELTS becomes easy with the abundant reference material.

Placement Cell – Most happening Space

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, learner-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.

Medical Facility

A general hospital with 100 bedded facility 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. This is in addition to medical rooms and dispensaries attached to the boys and girls hostels.

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, periodontics and prosthodontics.



EXPERIENTIAL LEARNING

Best is a an apt word to describe the teaching in Sathyabama. Student observes Gurus not just teachers in classrooms. Every student is carefully molded into better citizens. An uninterested student transform into an innovative mind in the chosen domain. An ordinary performer turns into an extraordinary executor is the essence of our teaching. Ethics are embedded in our teaching and learning process.

Research interactive talks, blended learning adds value to the thought pattern of the enthusiastic learners.

Seminars, workshops, e-learning, activity based learning, discussions, forums, deliberations with intellectual expertise brings a wholesome experience to the tech-savy students.

Care in shaping your careers

Teachers play multiple roles as mentors, believers of your talent, promoters of your knowledge and as the best guides of your life. Counseling and care are the inherent values of our teaching methodology. Self-learning is consistent in teaching fraternity that naturally drives the student minds towards excellence.

Skill based learning, making students ready to work from day one in industry are critically emphasized points in the classrooms. English language labs, skill laboratories, flipped classrooms, spacious auditoriums are other knowledge dissemination podiums.

Placement training from first year multiplies bright career opportunities. Dream company offers to getting placed in dream destinations is the usual day-to-day happenings in the campus.

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, Internal Complaint Committee and Women grievance cell take care about

the complaints and grievances, if any and addresses them immediately. Any form of ragging by the student is seriously examined and stringent disciplinary action will be taken, we ensure zero-ragging campus. Psychological counselors are available for assisting students in various aspects.

Numerous Choices

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



RESEARCH EXCELLENCE

Institutional Seed Grant

To promote a culture of research and innovation among faculty and students, Sathyabama provides Seed Grant. Innovative ideas that provide solutions to the societal problems in the areas such as Agriculture, Healthcare, Energy and Waste Management. Our faculty members and students have received seed funding from the Institution to the tune of 50 Lakhs to develop products and as an outcome, 15 products are now ready for commercialization.

Publications and Patents

- The Institution has shown a remarkable performance with respect to publications by bringing out internationally acclaimed research publications. The Institution has more than 11,000 Research publications Indexed in Scopus with a H- index of 74 and more than 5000 publications indexed in Web of Science with a H -index of 66. More than 300 Joint Publications are made as the outcome of the joint research with International Research Organizations and Universities
- The Institution has made 289 High Impact publications this year, with highest being 14.98 impact factor publication, in Journal of Renewable and Sustainable Energy Reviews by the Scientists of Centre of waste management for developing the value-added products from Biomass
- The Institution has 92 patents to its credit and has filed for 56 more patents this year

Sathyabama Technology Business Incubator

Sathyabama's Technology Business Incubator funded by NSTEDB - DST exclusively for the development and promotion of entrepreneurship in Marine Bio Resource and Engineering and Information Technology. Sathyabama Technology Business Incubator has been instrumental in promoting a culture of innovation and entrepreneurship among our students and in our community that has facilitated the development of many startups.



RESEARCH COLLABORATORS AND PLACEMENT PARTNERS



YOUR FUTURE BEGINS HERE

Skill driven Success

Students' skills are diagnosed to identify their strength and weakness. Students are chosen for Dream Team and Super Dream based on their learning capacity and skills are developed to satisfy the expectations of the high paying companies. We offer Domain Specific training to cater the need of niche hiring for specific rolls offered by Industries.

Work Shadowing

Internships: As the internships are the biggest learning period for students as it helps to understand , practice a specific job role by observing an employee at their work place. Our students are guided and supported to get their feet wet in the industry environments before they get graduated.

Diverse Placement Segments

Placements have expanded substantially with diverse segments of companies like Product Development, IT Services, Mechanical, Healthcare, Construction, Communications, Aeronautical, Automobile, Management, Human Resources, Finance, Operations and Start-ups.

Strong Industry Connect

Through our strong Industrial connect , we understand that the ongoing challenge for industry is finding engineering graduates who are up to date on the latest trends and technology innovations. Employers want new hires who can plug in and be productive from day one, instead of requiring costly and time-consuming training to get them up to speed. It is our top most priority to meet this demand to produce professionals to be ready for plug and play. Industries from various sectors are part of our academic board and they have a crucial contributions in designing our curriculum.

Promising Future

Future is promising not just because of opportunities, but because of your gained ability to create opportunities. Schools, Placement Cell works in coordination to lay down ample success paths for students. Student has to choose the right path to follow and excel in future.



YOUR WORLD OF OPPORTUNITIES

Road to the world after Graduation

Sathyabama provides guidance for your higher studies at top-notch academic and culturally affluent Universities. To prepare the students for higher studies, GRE, GMAT, TOEFL, IELTS, GATE, CAT classes are offered by renowned training institutions. A separate and well equipped library is available for the students and equip them to prepare for various examinations. Sathyabama's Centre for Higher studies counsels and supports the students for their enrolment in Universities across the world.

Study abroad - Broaden your horizon

Study abroad is a another compliment to set of the splendid things that Sathyabama offers in campus. It is one of the best ways to experience different academic environment across the globe that provides a lifetime opportunity to meet new people and discover new cultures. A short period in abroad will have a great impact on the student's learning process. To learn and live overseas, helps understand and appreciate the uniqueness and the similarities of one's own customs and culture with that of others. Semester Abroad Programme (SAP) gives an experience beyond the conventional classroom learning. Centre for Academic Partnership and International Relations facilitate and guide the students in choosing the Universities and supporting in this process. We have tied up with more than 150 Top Universities across the globe.

Languages - Beyond boundaries

Knowing a foreign language has become a requirement as students travel across boundaries for their semester abroad, higher studies and International employment opportunities. Advisory Bureau for Higher Studies at our Institution offers foreign language courses for the students.

Language Experts teach basic and advanced courses of languages, which include Spanish, French, German, Japanese, Mandarin and Italian.



RANKINGS AND RATINGS



Ranked in 40th Position among Universities in India by NIRF, Govt. of India 2021. Sathyabama is Ranked among the top 50 Universities for Six Consecutive years.

Our Institution has been rated with the highest Diamond Rating for Overall Performance by QS I-Gauge Indian University ratings.



CAREERS360 Categorized as AAAA+ Grade Institute according to Careers 360 -Top Engineering Colleges Survey, 2021.

Ranked No. 08 among the overall Top Engineering Institutions in India and ranked No.3 among the Private top Engineering Institutions according to i3RC Times Top Engineering Institute Rankings 2021



THEWEEK Ranked No. 34 among the Top Multi-Disciplinary Universities in India by THE WEEK Survey, 2021

Ranked No. 14 among the Top Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2021
Ranked No. 3 among the Private and Deemed Multi-Disciplinary Universities in South Zone by THE WEEK Survey, 2021

Ranked in 22nd position among the Top Private Engineering Colleges in India for the year 2021 by India Today. Ranked in 20th position among the India's Best Colleges offering Architecture Programme for the year 2021 by India Today. Ranked in 4th position among the Best Private Universities in Tamilnadu for the year 2021 by India Today.



OUTLOOK Ranked No. 15 Among the Top Universities in India by Outlook ICARE Universities Ranking 2021.

Ranked No. 12 Among the Top 100 Private Engineering Colleges in India by Outlook ICARE Rankings 2021

Ranked in 19th place among the India's Best Colleges offering Architecture Programme for the year 2021 by Outlook Magazine.

Ranked No. 21 among the Top Engineering Colleges in India by Education World, 2021



NATIONAL

INTERNATIONAL



Ranked 1201+ in the world by Times Higher Education World University Rankings, 2022

Ranked 801-1000 in the world by Times Higher Education World University Rankings by Subject, 2022

Ranked 401+ in the world by Times Higher Education Asia University Rankings, 2021

Ranked 401+ in the world by Times Higher Education Young University Rankings, 2021

Ranked 501+ in the world by Times Higher Education Emerging Economies University Rankings, 2022

Ranked in 301-350 position by QS Asia University Rankings 2021.



Awarded Four Stars Ratings for Overall Performance by QS (Quacquarelli Symonds), We have received the maximum five star ratings for Teaching, Inclusiveness and Facilities and four star ratings for Employability and Innovation.

The Institution is Accredited with National Assessment and Accreditation Council (NAAC). The Institution has been accredited with 'A' Grade for Academic performance. The Institution has been accredited with a Score of 3.09



The Engineering Programmes of our Institution is Accredited with the National Board of Accreditation.



Our Institution is Conferred with 12B Status by University Grants Commission (UGC) for its Academic and Research Excellence.

AWARDS



Received FICCI Higher Education Excellence Awards in the following categories
1. Excellence in Employability through Industrial Engagement. 2. Excellence in Research enabling Environment. 3. Excellence in Faculty. 4. University of the Year.

Sathyabama is been awarded with QS - E Lead (E - Learning Excellence for Academ Digitization) Certification for exhibiting excellence in adopting ICT enabled Teachir and learning through online platforms.



SATHYABAMA – BEYOND YOUR ACADEMIC ASPIRATION

Aspirations are many, opportunities are numerous and an individual attaining industry expected competence is the major challenge today before academia. Sathyabama is the best destination for such young aspirants as we do not just teach to students but always reach out them with what is the need of the hour for industry. Various clubs, various forums and variety of avenues are designed for the "Artificial Intelligence era" demands.

Industry ready Graduands

Past few decades witnessed huge gap between industry expectations and academic outcomes. Sathyabama took this responsibility in a meticulous manner and producing effective technical manpower to the nation. Our quality efforts in training, nurturing young minds are reaping results in shaping student life with great degree of sustainability over years.

Learning is Prime

Paradigm shift in teaching and learning in the post-pandemic period is experienced by the world. Our institution quickly shifted the gears to adapt to this scenario and delivered the best in these times.

Demands of digitization in education are not new to Sathyabama. Our infrastructure supported our strategic shifts in the content delivery with effectiveness.

Learning is the focal point, whether physical mode or online classroom for a student. We keep up the belief entrusted by parents and students. This is evident from our academic output in the pre-pandemic as well as during the pandemic phases.

Blended learning becomes new normal, Innovative teaching becomes more natural and offering holistic education became a method for almost three and half decades.

PLACES OF COMFORT AND SECURITY

Hostel life is memorable to anyone. We understand the comfort of the hostel inmates and offer necessary facilities. Security is the prime objective of in our hostels' management. We have 5 boys and 5 girls hostels with massive infrastructure within an area of 16,75,00 Square feet. 24X7 wi-fi, laundry, sophisticated fitness centres, dedicated mess halls for boys and girls, computer centres are the supporting infrastructure providing the best accommodation facility to students.

Life after Class hours

Hostel inmates' life after Class hours offers flexibility in making their choices related to sports, extra-curricular activities and advanced learning facilities. Library is opened for extended hours facilitating self-study, classrooms are well within the reach to hostels. Dispensaries, Medical rooms, a dedicated 100 bedded general hospital makes the health infrastructure modern and unique.

Indoor stadiums, spacious grounds, other facilities such as courier service, binding and Xerox, air-conditioned rooms ensure quality life for the hostel inmates. Greenery everywhere luring for long walks on the broad roads of the campus, which is located next to IT highway of India's happening city brings an awesome experience of SERENITY.

Emergency treatment

24X7 Medical Aid facility is available for Hostel Inmates. During Institution working hours, Student shall approach "STUDENT HELP DESK" in health emergencies. Student Help Desk assists students in getting emergency health aid by immediate coordination with dispensary and if needed the student is immediately referred to our 100 bedded "SATHYABAMA GENERAL HOSPITAL". In the case of further emergency, we are tied up with "CHETTINAD HEALTH CITY" for immediate diagnosis before the parent reaches to the ward. Students are provided with medical insurance facility.



SPORTS

Sports always played an important role in the evolution of the institution and claims a fair share in our progress.

Excellent sport and fitness facilities

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 and basket ball.

Keeping it competitive

Student can chill out in playing games like Hockey, Football, 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) and 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 sports talent. Various mega tournaments are organized in the campus to match the spirit of sport among the students. We have organized 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".



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 achievement 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- institution 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



Mr. Godwin Gaspar
(1994-98, B.E- ECE)
Regional Vice President
Salesforce, New Jersey, USA

"There were ample opportunities given to culminate the culture of taking accountability, teamwork, equality, ability to build trust and relationships with diverse sets of people, enforcing punctuality and rigor on processes and being resilient learning from failures. I certainly can attest to the tremendous learning from my college days that helped me greatly to shape up early days of my career. I am so grateful to have an opportunity to be part of this amazing Institution, which helped me to prosper on both my professional and personal front"

Studying in Sathyabama was nothing short of a fanciful experience. The exposure in terms of extra-curricular activities was massive for anyone who was willing to go the extra mile. There was always support from the Professors and the Placement Head in honing your areas of passion. The club activities along with the faculty coordinators and research work under their guidance gave us tremendous freedom to explore our strengths and paved way to expand our horizon. Various guest lecturers that we had with prominent personalities



Ms. Anusha Narayan
(2011-15, BTech- IT)
Deputy Manager -
Employee Relations
Ashok Leyland

from Corporate was another such avenue that helped us to understand the expectations of the industry. All these experiences - small yet vital have been core in developing my personality today. Cheers to Sathyabama for a lifetime of wholesome experience.



STUDENT SUPPORT SYSTEM

The fruits of professional educational system should reach the common man at an affordable level. Growth engines of the nation always are 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.

Student Help Desk

"Student Help Desk" is the primary support centre to address students and offers instant response to the request of the student. Bonafide certificates, Fee receipts, Emergency Medical Assistance and Updates in student information database are some of the services offered by the Student Help Desk. This centre is serving as the first point of contact if a student is in need of assistance and serving as a Single Window System for Student Support Services in the campus.

Counseling and psychological support

Psychological Counseling and Support Centre is available for assisting students in various aspects. The institution has dedicated psychological counselors for boys and girls. The counselors are continuously engaged in addressing student requests for counseling individually and also involved in conducting counseling sessions throughout the year periodically.

Disability support

The institution adopted "Inclusivity approach" in supporting children of war-widows, orphaned, physically challenged, financially disabled, and downtrodden children.

Acid victim children are given opportunity to continue their study with full scholarship is another initiative towards inclusive societal development.

We also help "Underprivileged Students" of the society in continuing to their higher education successfully by providing free food, education and take lot of care in shaping their lives. Numerous students of this category are enrolled in the campus through ANBU SCHOLARSHIP SCHEME.

Scholarship

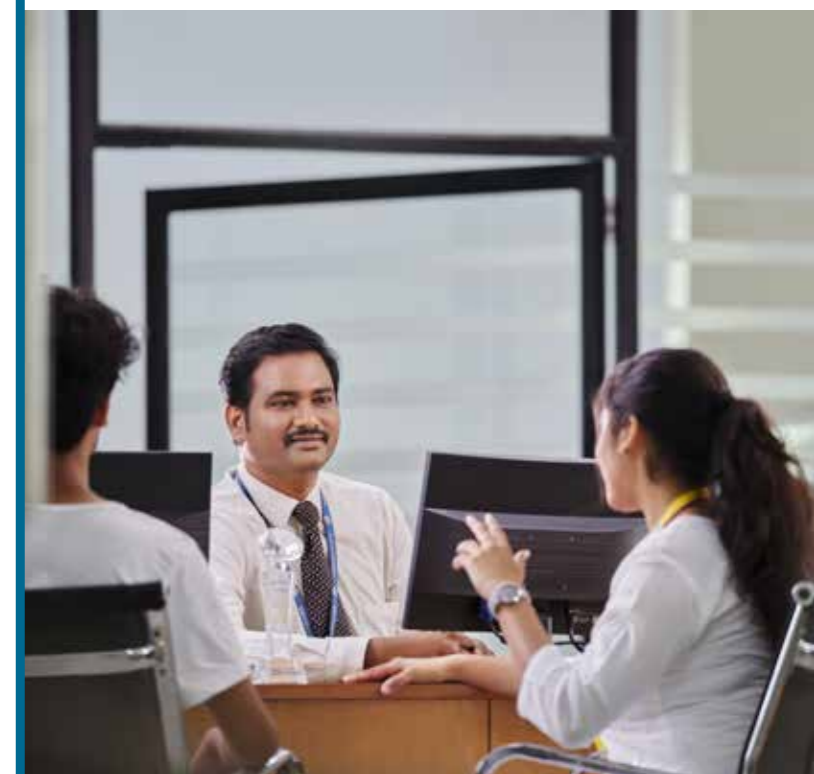
The institution offers scholarships to students who excel in academics. Scholarships are offered for meritorious students through "Dr. Jeppiaar Remibai Scholarship Scheme". This performance based scholarship encourages students and also helps the parents in continuing their children's education.

We conduct "SATHYABAMA ALL INDIA ENTRANCE EXAMINATION" all over India for admission into undergraduation programmes 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 of this examination. This soil respects the Merit, Supports the Spirit of Humanity, and Cares the student Career.

Social Outreach

"SCHOOL ADOPTION", "VILLAGE ADOPTION" are our initiatives in reaching out to rural and sub-urban areas apart from active participation in Unnat Bharat Abhiyan (UBA) Program activities. "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.

Student Grievance Cell, Anti-Ragging Cell, Internal Complaint Committee, Anti-discrimination cells helps in resolving student related grievances. NSS, NCC and YRC accommodate student service based interests.



ACADEMIC PARTNERSHIP & INTERNATIONAL RELATIONS

Centre for Academic partnership and International Relations is an initiative of Sathyabama Institute of Science and Technology to promote academic alliances with Universities and Institutions at National and International level. The Centre establishes Partnerships with Institutions and facilitates faculty exchange program, student exchange program and semester abroad program. The Centre also facilitate collaborative activities like joint research and joint conferences with International Universities.

Semester Abroad Programme (SAP)

In order to provide global exposure and international learning experience to students, we have initiated Semester Abroad Program that allows students to study one semester in any one our Partnering Universities at Europe, UK, USA, Canada, Australia, South America and Asia. Students can choose subjects/courses offered by the foreign universities, which is equivalent to the courses offered at Sathyabama in the respective semesters. The credits earned by the students in the foreign university for the semester are considered for the award of degree.

Students are encouraged to apply for SAP 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 doing Postgraduation can apply after completing their first year. The academic performance of the students, their level of ambition, communication skills, and recommendation from the department are some of the criteria considered for selecting the students.

Student Exchange Program

Student Exchange Programme allows mutual exchange of students between Sathyabama and the Partnering Universities across the world for a period of 3-5 months. Selected students can study in the foreign university, while the students from that university come here to study for the specified period.

Internship Abroad

Our students are also given opportunity to undergo Internships at foreign Universities for a period of 2-6 weeks.

Faculty Exchange Program

Sathyabama University offers opportunity for faculty members to work in Partnering Universities in foreign countries through Faculty Exchange Program. The objective of this program is to provide broader experience to faculty members by teaching in different environments, interacting with colleagues in various institutions and learn best practices on curriculum, pedagogy and diversified work culture worldwide.

SKILL DEVELOPMENT

Learning is the most essential tool to enhance the socio-economic growth of not only an individual but also of the entire nation. The higher education of 21st century faces several challenges in providing skill-centric learning, meeting the needs of the industry and society in the global platform. To confront such challenges, Sathyabama Institute of Science and Technology has established Centre for Skill Development in collaboration with NSTI (MSDE), NSIC (MSME),

RSDC and AICTE sponsored Skill and Personality Development Centre (SPDC), which aims to upgrade skills to international standards through significant industry participation and develop necessary framework of standards for quality assurance. Along with the outstanding academic learning, students in our institution are practically oriented with the different skill sets, bridging the gap between the academics, the industrial and societal needs.

The skill development centre of Sathyabama Institute of Science & Technology conducts various skill-oriented programs like AI Programming, Machine learning, Cyber security, Internet of Things, Embedded Programming, Data Acquisition, CATIA V5, Robotics and PCB Design courses in association with National Skill Training Institute (NSTI), Ministry of Skill Development & Entrepreneurship (MSDE), and NSIC thereby honing the technical skills of the students.

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 also 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 are also conducted.

STUDENT DEVELOPMENT CELL

A group of ignited minds clustered together to provide regular inputs for the holistick 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 30 clubs which 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".

Student Development Cell is keen on exploring, improving and fine tuning the technical and non-technical abilities of students. Every student member of the club has a wonderful opportunity to enrich their profile with participatory learning. Ample number of opportunities are provided for the students to exhibit their literary, leadership and artistic skills.

Debate, English, Tamil clubs are exclusive to enrich the oratory skills and writing skills of the students. Music club encourage students to participate in various competitions. Various technical clubs such as Aero, Auto, Microsoft help students to develop their technical knowledge. Community Development Club, Rotaract Club, Anti Human Trafficking Club, Eco Clubs inspires students towards social awareness through numerous social outreach activities of the institution. Clubs such as Mathematics, Science and Innovation clubs helps students to work on fundamental principles of learning and thereby to improve innovative thinking.



Aero Club	Mathematics Club
Computer Science Club	Music Club
Design Club	Science Club
English Literary Club	Auto Club
Hardware Club	Debate Club
Mozilla Club	Microsoft Club
Rotaract Club	Dr. Kalam Club
CompileX Club	Cognitive Club
Hack Sist Club	Dance Club
Media Club	NDLI Sist Club
Anti Human Trafficking Club	Entrepreneurship Development Club
Community Development Club	Robotics Club
Google Developer Club	Coding Club
ECO Club	Tamil Club
Encore Club	Innovation Club

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 variety of events such as workshops, skill development courses, tech lectures, value added courses and seminars.

LIBRARY

The monumental library with digital section, Advisory bureau of higher studies caters all the intellectual and career needs of a student. The Library remains open from 8.00 A.M. to 8.00 P.M. on all working days, for all the students.

Dedicated presentation hall and reading lounges are other supporting facilities in the Library. Advanced search facilities, wi-fi, e-learning facilities, magazines, thesis, print journals, back volumes, autobiographies, rare and distinct collection of books enhances the learning potential of a student.

Advisory bureau for higher studies

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 CDs are archived to support the student in improving communication skills. Foreign Language Coaching, training for competitive examinations are given by this window of higher studies.

Preparation to competitive examinations like GATE, IES, TOEFL, GMAT and IELTS becomes easy with the abundant material available in this section.

A Personalized Approach to Learning

Student will be able to take advantage of all the fantastic opportunities such as Library, Advisory bureau for higher studies associated with studying at SATHYABAMA. Extended learning opportunities includes Studying abroad, Skill development, Volunteering, Internships, Participatory Learning and Placements.

SCHOOL OF COMPUTING

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 and many others.

Key features

- NBA Accredited Programmes
- The School is equipped with DST FIST Sponsored CLOUD LAB AND WIRELESS SENSOR LAB
- The School is associated 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 Red Hat Linux 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 programs in the domains of Digital Marketing and Hardware Servicing
- International certification courses and Internship
- 100% placement in top corporates (Highest Package of 41 Lakhs per Annum)

B.E. Computer Science and Engineering

- B.E. CSE with specialization in Data Science
- B.E. CSE with specialization in IOT
- B.E. CSE with specialization in AI
- B.E. CSE with specialization in AI & ML
- B.E. CSE with specialization in AI & Robotics
- B.E. CSE with specialization in Cyber Security
- B.E. CSE with specialization in Block Chain

B.Tech. Information Technology

B.Sc Computer Science

B.Sc Computer Science with Specialization in AI

M.Sc. Computer Science

M.E. Computer Science & Engineering

Ph.D. Computer Science and Engineering

Eligibility

- 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

Your future

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.



SCHOOL OF ELECTRICAL AND ELECTRONICS

School of Electrical and Electronics consistently and competently drives towards excellence with a strong emphasis on transforming 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, Nanotechnology and Telecommunications.

Key features

- The School has developed on - board communication subsystem, ground station control, electronic power supply design, altitude 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 C-DAC, Centre of Excellence in Embedded and Imaging technologies, established in association with HCL Technologies, Centre of excellence in association with NI - Sathyabama NI LABVIEW Academy and Centre of excellence with Reliance JIO
- Numerous research projects sponsored by government organizations like DST, IGCAR, BRNS, BRFST, TNSCST, ISRO, DRDO
- Technical forum, 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 student's skill 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 - Institution Interaction has resulted through Memorandum of Understanding with industries like Reliance Jio, BSNL, C-DAC and many others

UNDERGRADUATE PROGRAMMES

- B.E. Electronics and Communication Engineering (ECE)
- B.E. Electrical and Electronics Engineering (EEE)

POSTGRADUATE PROGRAMMES

- M.E. Embedded and IoT
- M.E. Applied Electronics
- M.E. Power Electronics and Industrial Drives

RESEARCH PROGRAMMES

- M.Tech. (By Research)
- Ph.D.

Eligibility

- 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

Your future

Our curriculum is designed in such a way to cater to 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.



SCHOOL OF MECHANICAL

The School of Mechanical Engineering, through a comprehensive student centric and practical oriented learning instills significant and out of the box understanding in our students in the advanced areas of Mechanical Engineering, Mechatronics which is an amalgamation of Mechanical and Electronics, Automobile Engineering and Aeronautical Engineering. Hands on training offered to the students in CAD/CAM, Robotics and Automotive Engines helps the students keep abreast with the industry trends. The prime objective of School of Mechanical Engineering is to guide our students to apply their classroom knowledge in real-time industrial problems hence making them familiar with industrial practices.

Key features

- AICTE Funded 3D Printing Lab with state-of-the-art 3D printers
- 3 Centres of Excellence: Centre for Collaborative Product Design & Development, Centre for Robotics & Automation, Engine Research Centre
- Industry Institute Interaction Cell facilitates industrial collaborations for practical & industrial exposure
- Students and Faculty are part of the team, which developed SATHYABAMASAT, a nano satellite launched by Sathyabama in collaboration with ISRO
- To provide hands on training for the students, our school owns 2 CESSNA aircrafts worth Rs.2 Crores. We also have a Supersonic wind tunnel that produces supersonic speeds (1.2<M<5)
- Centre for Robotics and Automation to cater the automation knowledge needs of the students and to undergo extensive research in the field of robotics and Artificial intelligence
- MOUs with International Universities (St.Cloud State University, USA, University of Putra, Malaysia, Wollo University, Ethiopia) and industries like SAP, IGP
- Group of students participated in the National and International competitions such as SAE BAJA, NASA 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 are organized for nurturing the technical talent of students
- Aero students are offered special training from licensed light weight aircraft pilots
- Students are encouraged to participate in various inter collegiate/university sports, workshops & seminars conducted by various colleges & organizations
- 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.
- The School possess well qualified, dedicated and skilled faculty members across diverse disciplines like Design, Thermal Engineering, Manufacturing, Materials, Mechatronics, Robotics, Automotive, Aerospace . Most of the faculty members are Ph.D. holders with good research background and publication along with funded projects from DST, ISRO, VSSC, CVRDE, IGCAR
- The School strive to mould the students and reaching their goals at National and International Sphere



Undergraduate Programmes

B.E. in Mechanical Engineering

B.E. in Mechatronics

B.E. in Automobile Engineering

B.E. in Aeronautical Engineering

B.Sc. Aviation

Postgraduate Programme

M.E. in Computer Aided Design

Eligibility

- 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

Your future

Our students placed in core industries like Bajaj Auto, Renault Nissan, TVS, Valeo, FL Smidth, Honeywell, Caterpillar and future job prospects are great for our graduates. Students can also find ample number of opportunities in R&D organizations, Aircraft Design, Automotive transportation and many other domains.

SCHOOL OF BIO AND CHEMICAL ENGINEERING

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

Key features

- The school possess DST – FIST sponsored laboratory and GE – Sathyabama Centre for Excellence in Health care facilities
- Hands-on training in different instruments and Software
- Agility and adaptability in building and maintaining productive partnerships with industry, business and the community
- Strong nexus between teaching, research and Industry experts
- 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
- 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, DRDO and MNRE
- Synergize the efforts of the students and faculty to evolve innovative engineering practices, teaching methodologies and generate an environment of continuous learning and research.

Undergraduate Programmes

B.Tech. in Biotechnology	B.Tech. in Biomedical Engineering
B.Tech. in Chemical Engineering	B.Sc. in Biotechnology
B.Sc. in Microbiology	B.Sc. in Marine Biology
B.Sc. in Bioinformatics & Data Sciences	B.Sc. in Biochemistry

Postgraduate Programmes

M.Tech. in Biotechnology	M.Tech. in Medical Instrumentation
M.Tech. in Biopharmaceutical Technology	M.Sc. in Bioinformatics & Data Sciences
M.Sc. in Medical Biotechnology & Clinical Research	

Eligibility

- 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

Your future

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 enriches them with expertise needed to conquer global opportunities, scientific positions in R&D labs and in leading Bio and Pharma Industries.



SCHOOL OF BUILDING AND ENVIRONMENT

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.

Key features

- Design build workshops are integrated within the curriculum
- Value Added Courses in AUTOCAD, STAAD, ANSYS, REVIT, SKETCHUP, ENVIMET, IESVE and ETABS are offered to supplement the curriculum in order to enhance their employability of the students.
- The Department of Civil Engineering is having well equipped laboratories like Strength of Materials Lab, Environmental Engineering lab, Concrete Technology lab, Soil Mechanics lab, Structural lab, Highway lab, Structure lab and CAD Lab.
- The Department of Architecture and Design is equipped with a material museum, Building Services lab, Model making workshop, Urban and Built Environment lab
- The Urban Climate and Built Environment Laboratory is an exclusive facility for students to conduct their field studies and to perform energy and climate-based analysis. Students are trained to use Energy simulation softwares for the development towards sustainable environment.
- Our students regularly participate in National, International competitions and have earned several accolades including the live competition project of EN NAGERCOIL 2020 (Make our Dream city) and also third place in Solar Decathlon 2021 conducted by U.S.Department of Energy under Retail Division.
- Students and Faculty members have visited international Universities for programmes like one semester study abroad programs and Faculty Exchange (Karabuk University, Turkey, University Pehang Malaysia) with financial assistance.
- Regular site visits and collaborative workshops are conducted. Group of students along with Faculty Mentor from the Department of Civil Engineering were selected to visit ATAL Tunnel (Study Trip) located at Manali, Himachal Pradesh to explore modern construction technologies with AICTE Financial assistance.

- The faculty members are involved in various sponsored and collaborative funded projects by Water Technology Initiative (WTI), Department of Science and Technology (DST), Ministry of Steel, Government of India Energy Regulatory Board (AERB) and National Council for Science and Technology Communication (NCSTC).
- Regular knowledge sharing sessions with practicing and eminent architects / civil engineers are conducted.
- School is closely associated with industrial organizations, NGOs, various Professional bodies and other Universities.

UNDERGRADUATE PROGRAMMES

Bachelor of Architecture (B.Arch.) - 5 Years
B.E. in Civil Engineering (NBA Approved) - 4 years
Bachelor of Design (B.Des. - Interior Design) - 4 years
Bachelor of Science in Fashion Design - 3 years

POSTGRADUATE PROGRAMMES

M.E. (Structural Engineering) - 2 Years
M.Arch.(Building Management) - 2 years
M.Arch.(Sustainable Architecture) - 2 years

Eligibility

B. Arch.	As per the guidelines given by Council of Architecture
B.Des.	10+2 examination with at least 45% marks (40% in case of candidates belonging to reserved category) in the qualifying Examination.
B.E. Civil	A pass in 10+2/HSC/ICSE or equivalent examination with Mathematics, Physics and Chemistry with an average of 60% and above in Mathematics, Physics and Chemistry.
B.Sc. Fashion Design	A pass in 10+2/HSC/ICSE or equivalent examination

Candidates opting for UG (B.E. Civil) should appear for Mathematics, Physics and Chemistry in Sathyabama Entrance Test.

Your future

The graduates from the school have made significant contributions in the development and implementation of Architectural and Civil Engineering projects globally. Students have secured admissions in advanced specializations in prestigious Universities like Architecture Association - London, University of Manchester, University of Nottingham and University of Glasgow. The school alumni hold prestigious positions in leading academic institutions, Industry and Government establishments.



SCHOOL OF MANAGEMENT STUDIES

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 of 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, internship and professional trainings.

Key features

- Admirable infrastructure with laboratories for hands-on training
- Well defined curriculum that enables holistic learning experience
- Special provision for earning while learning through projects
- Successful entrepreneurial ventures supported by the management
- Practicum and on the job learning through internship 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
- Research opportunities are provided to the students to enrich their learning

- Industry association to ensure further enhancement of academic content is consistently ensured.
- The school is also privileged to have received grants and funds from MWCD, MSME, TNCDW, EDI, NHRC, DST, IGCAR

UNDERGRADUATE PROGRAMMES

B.Com. in Bachelor of Commerce

B.B.A. in Bachelor of Business Administration

POSTGRADUATE PROGRAMMES

M.B.A. in Master of Business Administration

ONLINE DISTANCE LEARNING PROGRAMMES

B.Com. - Bachelor of Commerce

B.B.A. - Bachelor of Business Administration

M.B.A. - Master of Business Administration

Eligibility

- 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

Your future

Opportunities in blue chip companies such as T.V.S, Bharati AXA, Punjab National Bank, Royal Bank of Scotland, ICICI prudential and The Bank of New York and many others.

SCHOOL OF ARTS, SCIENCE AND HUMANITIES

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 required. The faculty work with student from day one to develop the employability credentials that will place them in good stead in today's competitive world.

Key features

- FIST (Fund for Improvement of Science and Technology Infrastructure) lab in Physics Department
- Funded Projects from DST-SERB, DRDO-ER & IPR, DRDO-CARS, ISRO, CSIR, IGCAR
- Faculty members of Mathematics and English impart personality development, soft skills and placement training to students at the basic level
- In-house activities-Research Interactive Talk (RIT), Series of Guest Lectures by Scientists of CSIR Laboratories, Central University, IITM & NPL
- By identifying the level of the students, special coaching is provided besides preparing them to competitive examinations and assessment tests like TOEFL, IELTS, and BEC programs
- Excellent Photography Lab, Television Production Lab, Sound Studio Lab, Editing Lab, Multimedia Lab ensures that students acquire not only subject-specific skills, but also helps them to develop a broad range of personal skills and knowledge.

- The School caters to the scientific, analytic and artistic needs of students through rich expertise and infrastructure.
- The Department of Viscom conducts number of media events, photography exhibitions, short film festivals, interactive sessions with prominent media, cinematography personalities.

Undergraduate Programmes

The School offers B.Sc. in Visual Communication, Physics, Chemistry, Mathematics, Psychology and B.A. in English.

Postgraduate Programmes

The School offers M.Sc. in Physics, Chemistry, Mathematics, Visual Communication and M.A. in English

Online Distance Learning Programmes

M.A. - English

M.Sc. - Mathematics

Eligibility

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

Your future

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.



SCHOOL OF DENTAL SCIENCES

The School of Dental Sciences, aims to promote quality dental education by transforming the lives of an aspiring student into a competent dental health care professional. Our competent training will make every student, an asset to the nation and an expert in the chosen field by meeting the high expectations and demands. Our high quality teaching standards is sustained by the constant advancements in the academic and clinical skills of the team of dedicated and devoted faculties. With the state-of the art research and clinical infrastructure in various branches of dentistry and allied sciences like material science, drugs, clinical research are equipped to train our students in high quality research activities.

Our school comprises of dedicated 100 bedded hospital, conducting various outreach programmes providing comprehensive health care to the vulnerable and underserved populations through Peripheral Health Centers at Government Primary Health Clinics and Mobile Dental Vans at their doorstep.

Our school, started BDS course in 2009, registered with Dental Council of India with intake of 100 students. Our school consists of 17 departments – 6 basic science, 9 core dental and 2 medical departments, namely General medicine and General surgery. The college also has 15 well-equipped clinical labs and two simulation Typhodont labs for pre-clinical training. Apart from these, the College has a Museum of Anatomy and a separate Tobacco Cessation and Counselling clinic.

Our school started MDS in three specialties namely Pedodontics and Preventive Dentistry, Orthodontics and Dentofacial Orthopedics, Conservative Dentistry and Endodontics.

UNDERGRADUATE PROGRAMMES

BDS degree

POSTGRADUATE PROGRAMMES

MDS degree in three specialties

1. Orthodontics and Dentofacial Orthopaedics
2. Conservative Dentistry and Endodontics
3. Paediatric and Preventive Dentistry

Eligibility for Undergraduate Programme

NEET score –eligible Pass in 10+2

Admission through NEET-UG counseling

Eligibility for Postgraduate Programme

NEET –PG score

Admission through NEET-PG counselling

Conservative Dentistry and Endodontics:

The specialty aims at the diagnosis, treatment and prevention of dental caries and its sequelae, malformed teeth, other defects and tooth discoloration, enabling to restore healthy state of the tooth form, function and esthetics enhancing the quality of life and overall well-being of the patient. The department is well- equipped with the latest technology, fully automated dental chairs, digital radiography, state of the art instrumentation and obturation systems and ceramic laboratory. The pre-clinical set up offers the student a conducive atmosphere to make mistakes, learn, and master the fundamentals of operative dentistry. The contemporary

design of the dental operator allows adequate room for the student to work ergonomically and provides privacy for the patient as well.

The variety of treatment options available at a subsidized cost and the quality of treatment offered ensures regular patient flow giving the students adequate exposure to clinical materials for training and skill development.

The department is endowed with a dedicated and experienced faculty who are committed to excellence in education, patient care, scholarly activities and research.

Orthodontics and Dentofacial Orthopaedics:

The Department of Orthodontics and Dentofacial Orthopaedics focusses on craniofacial growth and the development of the dentition and occlusion, while concentrating on prevention & correction of occlusal anomalies. A solid understanding of orthodontics is an essential prerequisite to planning treatment in children and treating complex malocclusion in adults.

The undergraduate training begins from third year of the BDS program and contains didactic, practical and clinical components. Students learn the art of basic wire bending, examining and diagnosing dental and craniofacial

anomalies and are trained in treating mild malocclusions with removable and functional orthodontic appliances. The postgraduate program covers all aspects of the discipline and emphasizes clinical care and patient satisfaction through advanced diagnosis and treatment techniques with good academic background and extensive clinical training under experienced faculty.

Pediatric and Preventive Dentistry:

Paediatric dentistry is a specialty that deals with the management of oral health of children from infancy through adolescence, and also children with special health care needs.

The Department of Paediatric and Preventive Dentistry works with a mission to provide "HEALTHY SMILES FOR INFANTS AND CHILDREN", thus ensuring dental care for every child with a vision to "PROMOTE OPTIMAL HEALTH CARE DELIVERY TO THE NEXT GENERATION".

Our Department provides comprehensive oral health care that includes the following:

- Full mouth rehabilitation
- Infant oral health care
- "HEAD START PROGRAM" – Prenatal counselling program for expecting mothers
- Preventive dental care including fluoride therapy, diet counselling etc.
- Counselling and management of deleterious oral habits.
- Early assessment of malocclusion and intervention (preventive and interceptive Orthodontics)
- Dental traumatic injuries management (fractured tooth, displaced tooth)
- Management of children with special health care needs

The department offers a dynamic and unique suite of UG and PG programs designed to produce dental practitioners with highest calibre and international standards.

The Department is well equipped with 32 dental chair units, X-ray room with Lead coating, and a digital X-ray unit with RVG, and latest equipments, which enables Undergraduate and Postgraduate students to deliver high quality dental care to the child patient.

Your future

Students are given various valuable insights into the opportunities after BDS in Higher Education, Academic & Clinical practice and overseas opportunities.



SCHOOL OF ALLIED HEALTH SCIENCES

The school of Allied Health Sciences at Sathyabama caters to the medical and para – medical fraternity by providing world – class training in wide areas such a Clinical Nutrition & Dietetics, Medical Laboratory Technology, Physiotherapy, Operating Room & Anaesthesia, Radiology & Imaging, Cardiac Technology, Perfusion Technology, Respiratory Care and Critical Care Technology.

Allied Health Professionals are a group of health care providers who use their skills to prevent disease transmission, diagnose, treat, and rehabilitate people of all ages.

Key features

- Extensive hands-on experience in hospital set up. More experienced mentorship by speciality doctors and academic faculty
- The state- of-the art 100 bedded hospital is available for the student training
- The student will have the privilege of postings at corporate hospitals such as Gleneagles Global Hospital, Apollo Hospitals and the Speciality hospitals of Greater Chennai Corporation
- Student exposure to medical research during their curriculum
- Hands on medical training from experienced professors
- Continuous practical experience through student postings at various city hospitals
- A strong placement support for the graduates in hospitals and academic institutions.

UNDERGRADUATE PROGRAMMES

- B.Sc. - Clinical Nutrition and Dietetics
- B.Sc. - Medical Lab Technology

Eligibility

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

Your future

Chief Nutritionist	Culinary Nutrition Specialist
Neonatal Nutritionist-Dietitian	Food Service Manager
Culinary Nutrition Specialist	Neonatal Nutritionist-Dietitian
Sports and Fitness Nutritionist	Corporate Wellness Program Consultant
Weight Loss Consultant	Food Scientist
CT scan, X-ray and MRI technicians	Lab technician
Lab technologist	Lab supervisor
Dental Machine Technician	Lab assistant
Pathology Technician	Lab analyst



SCHOOL OF PHARMACY

Sathyabama School of Pharmacy focuses on the pharmaceutical and humanistic bases for understanding the influencing drug actions and interactions involving patients, medicines, caregivers, and health care systems. It integrates the knowledge of pharmacy and pharmaceuticals with knowledge from Human Anatomy and Physiology, Pharmacology, Pharmaceutical Chemistry, Pharmaceutical Analysis, and Pharmacognosy in addition to subjects on Herbal drugs and Pharmacovigilance.

Key features

- A dynamic training program, known for its excellence in balancing knowledge and practice based teaching in well-equipped laboratories emphasizes the importance of behavioural and social sciences that are the foundation of modern patient care
- Forged a strong teaching partnership with the Hospital Authority, Department of Health, community pharmacy, multinational pharmaceutical companies, and local pharmaceutical manufacturers
- Strong support of leaders in the pharmacy profession



- Driven by a rich tradition of excellence in discovery, learning, and entrepreneurship under the aegis of a competent professional academic staff.

B.Pharmacy in Bachelor of Pharmacy (4years)

D.Pharmacy in Diploma of Pharmacy (2years)

Eligibility

- A pass in 10 + 2 / HSC/ ICSE/ CBSE or equivalent examination with Biology or Maths, Physics and Chemistry with an average of 50% marks and above
- A pass in Sathyabama School of pharmacy entrance examination separate for diploma and graduates

Your future

Career scope and job opportunities in the Pharmacy field are huge. Numerous jobs are available for pharmacists in government as well as private organizations. Student can find jobs in pharmaceutical manufacturing industries, government health departments, colleges and universities, hospitals, investigation & research institutes and regulatory bodies. The students are also motivated by the expert team to start their own businesses like Pharmaceutical Industry, wholesale and retail sale of Pharmaceutical devices and drugs.

SCHOOL OF NURSING

The Sathyabama College of Nursing aims to prepare graduate nurses in clinical practice, nursing education, research, management and administration. Also, the institution focuses on occupational and industrial nursing and many more. The College is equipped with qualified and competent faculty, state of the art infrastructure, Library and other student amenities. More importantly, the students are exposed to opportunities for clinical learning in the Sathyabama hospital located within the campus. The environment of Sathyabama College of Nursing exposes and trains the students in preventive, promotive, curative and rehabilitative health care services that prepare the nursing students to a global level career.

Key features

- MOUs in place with National and International Institutions of high repute and collaboration with nearby Corporate and Government Hospitals.
- Periodical quality evaluation of the programmes is conducted to ensure a student centered teaching and learning environment.
- The students are given a strong foundation in Basic Nursing, Medical, Surgical, Pediatric, Psychiatric and Community Health Nursing
- The variety of case studies the students are exposed during the course of study will help them to get the needed expertise in this field

- Students are also trained in conducting Mass Health Education Programmes and Health camps.
- The School organizes student-enrichment programmes like Continuing Nursing Education Programmes, Problem Based Learning workshops and simulations Education in Academic & Clinical fields

UNDERGRADUATE PROGRAMMES

B.Sc. in Nursing

Eligibility

- A minimum age for admission shall be 17 years on 31st December of the year in which admission is sought
- A pass in the 10+2 /HSC/ICSE or equivalent examination with Biology / Botany & Zoology, Physics and Chemistry with an average of 45 % and English individually

Your future

- As a clinical nurse, Community Health Nurse, School Health and Occupational Health Nurse
- A career as a Clinical Instructor
- Trained and will be well prepared for Overseas opportunities



SCHOOL OF LAW

The School of Law has made its mark as a centre engaged in and committed to quality teaching and research in law.

School of Law provides a platform for multi-dimensional learning experience which integrates rigorous academic, applied, practical and cross disciplinary perspectives to ensure a deep understanding of law in all its contexts. Our programs provide a unique and unrivaled educational opportunity. Those seeking to advance their careers with valuable knowledge of the law shaping their disciplines can pursue Undergraduate Law since we offer a high quality, innovative legal education, with a strong commitment to interdisciplinary enquiry and to offer an array of experiential learning options that allow students to gain critical experience in real-world legal settings.

The School offers integrated Bachelor of Law program that provide innovative and well designed curriculum with a range of assessment methods and a wide choice of optional/electives. High quality teaching faculty facilitate in studying law within the broader areas of Social Sciences. This has been designed to have maximum integration of specific areas of knowledge.

Key features

- State of the art infrastructure
- Col. Dr. Jeppiaar Moot-Court
- Well-equipped library
- Language Lab facility
- Spacious auditorium and seminar halls
- Semester system with Choice Based Credit System
- Credit Based Compulsory Internship Program
- Weekly Activities - Extension lectures, Debates, Quiz, Mock-Parliament, Moot-Courts, Seminars, Symposium, Essay Writing
- Associated with :
 - Eshwar | House of Corporate & IPR Laws
 - Cyber Crime Clinic
 - Open Security Alliance and Indiawatch.in
 - Hexa Digital Forensic Corporation
 - International Justice Mission
 - Daniel and Gladys Associate

Program	Eligibility
B.A.LL.B(Hons.), B.Com.LL.B(Hons.), B.B.A.LL.B(Hons.)	The candidate should have passed 12th (10+2) examination from any recognized board with minimum percentage marks as per the norms of the regulating body Age Limit: As per BCI norms
LL.B	A pass in any Undergraduation degree (10+2+3) with minimum percentage marks as per the norms of the regulating body Age Limit: As per BCI norms

Your future

- Judicial Officers
- Advocates
- Law Officers in various firms
- Law Consultants



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 Postgraduate Programmes and other Undergraduate 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.

Visit us

Chennai is the gateway to the southern part of India. Chennai is a traditional city and is known as "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.

You can reach us from:

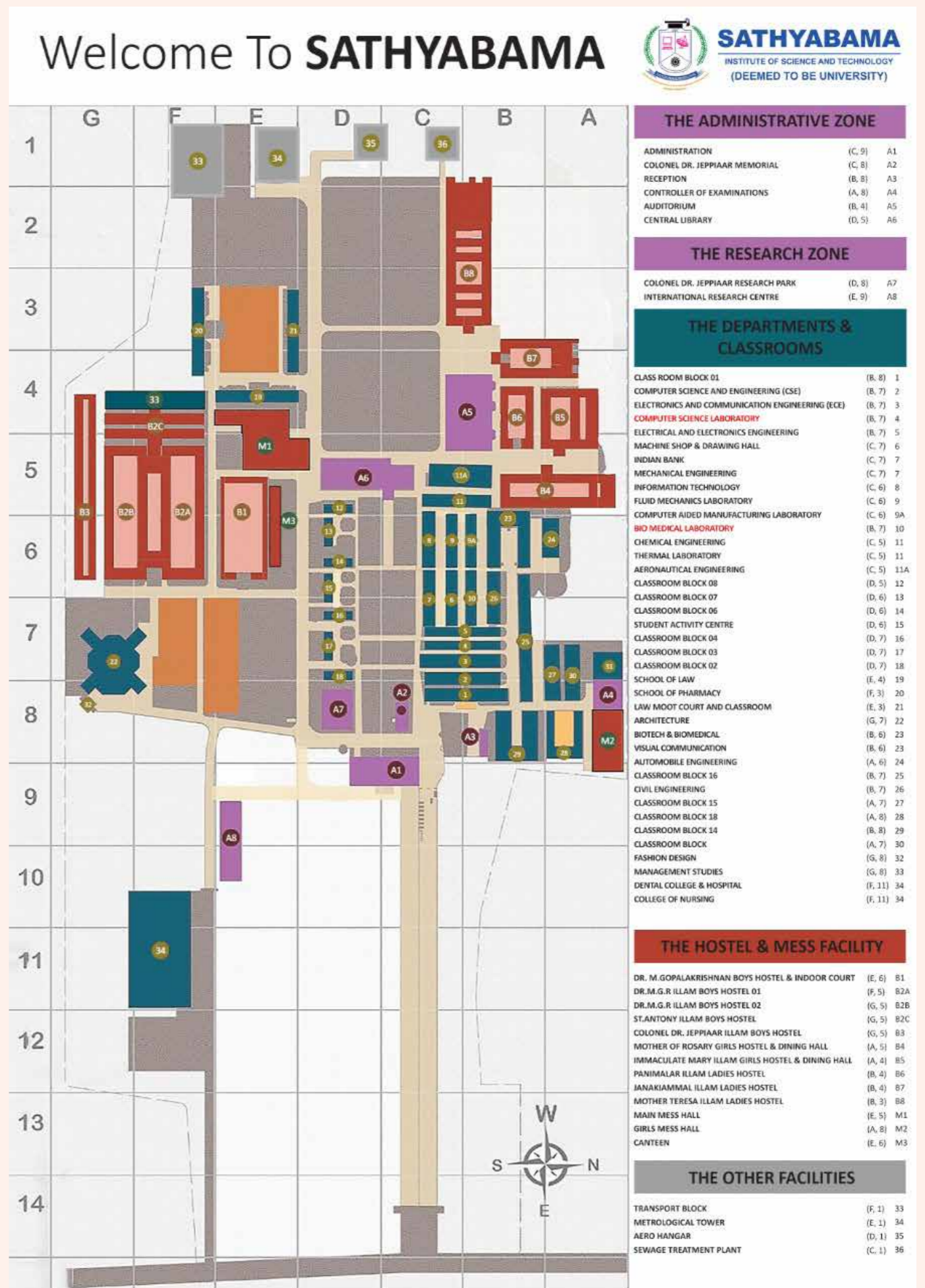
Central Railway Station	: 27.9 Km
Egmore Railway Station	: 26.6 Km
Tambaram Railway Station	: 17.6 Km
Airport	: 25.5 Km
Koyembedu Bus Terminal	: 29.5 Km

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, 2450 0600
entranceexam2022@sathyabama.ac.in

Fax: 044 - 2450 2344
Toll Free Number - 1800 425 1770
www.sathyabama.ac.in





Admission Office:

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, India.

Administrative Office: 044 - 2450 3150 / 51 / 52 / 54 / 55

Fax: 044 - 2450 2344

Entrance Exam Office : 044-24502436, 2450 0600

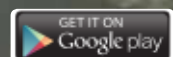
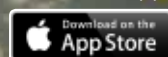
Email : entranceexam2022@sathyabama.ac.in

Toll Free Number - 1800 425 1770

www.sathyabama.ac.in



www.facebook.com/SathyabamaOfficial



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