



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)



CONVOCATION REPORT

2020-2021
25th SEPTEMBER 2021



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Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

30th Convocation Report - 25th September 2021

A Very Good Morning to one and all present here to witness the 30th Convocation of Sathyabama Institute of Science and Technology. I take privilege in welcoming our Honorable Chancellor Dr. Mariazeena Johnson, Respected President Dr. Marie Johnson, our Amma Thirumathi Dr. Remibai Jeppiaar, our beloved Vice Presidents Mr. Arul Selvan and Mrs. Maria Bernadette Tamilarasi. I extend a warm welcome to the Chief Guest, Shri A Rajarajan, Distinguished Scientist and Director, Satish Dhawan Space Centre SHAR, Sriharikota, ISRO for giving his kind consent to be the Chief Guest and deliver the Convocation Address and to receive the honoris Causa on this 30th convocation ceremony. Eminence and Excellence are the features looked in to recognize a person's contribution irrespective of the field they are affiliated to. We have amidst us such eminent personnel who have contributed to the field of Science, Education, Medicine, and Arts.

I feel greatly honored to inform that Honoris Causa will be conferred upon to Shri. G Ramaguru, Programme Director, AGNI Missiles, Advanced Systems Laboratory, DRDO, Thiru S Xavier Brtitto, Chairman, Kerry Indev Logistics Pvt Ltd, an Educationalist, Industrialist, and a man with extreme social concern; Dr. M Jayarajah, Senior Consultant Cardiologist, Sooriya Hospital for his noteworthy contribution in saving hundreds of lives through his medical practices and Thiru.D Imman, Music Director and Composer for his outstanding melodies and background scores which have added value to the Tamil cinema. My hearty congratulations to the proud recipients of the Honoris Causa.

I am happy to greet and welcome our members of the Board of Management, Members of Academic Council, Pro Vice Chancellors, Registrar, Directors, Controller of Examinations, Deans and Heads of the Departments, Faculty Members, our Dear young Graduands, Parents, Media and everyone gracing the occasion.

Today we have gathered winning the pandemic to confer the degrees to a total of 3076 graduates. Amongst them 2535 Undergraduate students, 407 Post Graduate students and 134 Ph. D. Awardees. We have an overall 96% of students who have graduated from this cohort.

Degree	School	No.of Students Admitted	No. of Students Graduated	Graduate %
UG	Computer Science	942	908	96.39
UG	Electrical & Electronics	485	476	98.34
UG	Mechanical	300	271	90.33
UG	Bio & Chemical	276	265	96.34
UG	Building and Environment	284	277	97.53
UG	Management Studies	180	177	98.33
UG	Dental Sciences	105	102	97.14
UG	Science and Humanities	60	59	98.33
PG	Engineering & Technology	80	74	92.5
PG	Science and Humanities	34	32	94.11
PG	Management Studies	300	295	98.33

On this occasion, It is my pleasure and privilege to present before you a brief report about the progress of our Institution for the last one academic year.

With the blessings of our Founder Chancellor Col. Dr. Jeppiaar, the Institution is progressing on par with International Universities, and keeping up his vision of providing quality education. Madam Dr. Remibai Jeppiaar has always been a constant support, directing us in the path of success. Continuing the legacy of our Founder Chancellor, Col. Dr. Jeppiaar, Dr. Mariazeena Johnson, the Chancellor and Dr. Marie Johnson, the President of Sathyabama Institute of Science and Technology have taken the Institution as one among the top institutions globally.

RANKINGS, RECOGNITION AND HONORS:

Sathyabama Institute of Science and Technology has been recognized as one of India's premier Academic and Research universities that offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, and Management.

Sathyabama strives to keep its standards and is one among the Top Institutions at National and International level. According to the NIRF - National Institutional Ranking Framework, 2021, Sathyabama is placed in the 40th position in the University category, and this is the sixth consecutive year we have been positioned amongst the Top 50 Universities in India. On behalf of the Institution, I sincerely thank all the stakeholders for their support in our pursuit of excellence.

We are proud to share with you that our Institution is ranked among the Top 5 Private Institutions in India for Innovation by Atal Ranking of Institutions on Innovation achievements (ARIIA 2020).

- Sathyabama has been ranked in 301-350 position by QS Asia University Rankings 2021.
- The Institution is placed in very good positions in Times Higher Education Impact Rankings 2021, which ranks the Universities across the world based on their contribution to the UN's Sustainable Development Goals. Sathyabama has secured notable ranks with respect to all the four Sustainable Development Goals (SDG- 1,10,13,17) for which we had applied. Recognizing the significant contribution of the Institution towards reducing inequalities (SDG 10), climate action (SDG 13) and Partnership for goals (SDG 17), it has been ranked in 201 – 300 positions among the Universities worldwide. The Institution has been ranked in 301-400 position for SDG01 – No Poverty, recognizing its contribution towards eradicating poverty. Sathyabama's overall position is 601-800 among the world Universities according to the Times Higher Education Impact Rankings, 2021.
- Sathyabama Institute of Science and Technology has been awarded with `E-LEAD (E-Learning Excellence for Academic Digitization) Certification by the QS I-Gauge, the global rankings and ratings agency. The Institution is assessed on various parameters like

efficient usage of IT infrastructure, adequate IT support systems and IT policy and is certified for its preparedness to conduct Teaching & Learning activities online.

- Times Higher Education has ranked Sathyabama among the top Institutions worldwide. The institution has also acquired good positions in the Times Higher Education's Subject Rankings for Engineering and Physical Sciences, Emerging Economies Universities Ranking and Young Universities Ranking, for the year 2021.
- India Today has ranked the Institution in the 22nd place among the Top Private Engineering Colleges as well as Top Private Universities in India and ranked 4th position among the Best Private Universities in Tamilnadu for the year 2021.
- India Today has ranked our Architecture Department in the 20th place and Outlook Magazine has ranked in 19th place, among the India's Best Colleges offering Architecture Programme for the year 2021.
- Times of India has Ranked No. 3 among the Top private Engineering Institutions in India and Ranked No. 11th position in Top Research Institutions in India.
- The Institution is ranked No. 3 among the Top Non-Government (Private & Deemed) Multi-Disciplinary Universities - South Zone according to THE WEEK Survey, 2021

APPROVALS AND ACCREDITATIONS

- AICTE has given approval for all UG and PG Engineering / Technology ,Business Administration, Design, Pharmacy and Architecture Programmes for the academic year 2021-2022.
- This year AICTE has given the approval to start new programs in B.E. - Computer Science and Engineering with specialization in Artificial Intelligence and Machine Learning, B.E. - Computer Science and Engineering with specialization in Cyber Security, B.E. - Computer Science and Engineering with specialization in Block Chain Technology, B.E. - Computer Science and Engineering with specialization in Artificial Intelligence and Robotics
- Council of Architecture has given extension of Approval for Architecture courses and Pharmacy Council of India for Pharmacy Courses for the Academic Year 2021-2022, with an increased intake from 60 to 100.

- Bar Council of India has given approval for the extension of LLB, B.A., LL.B., and B.Com., LL. B Programmes.
- The Institution has got three major programmes accredited by the National Board of Accreditation, including B.E.-Mechanical Engineering, B.E.- Electronics and Communication Engineering and B.E-Aeronautical Engineering in addition to the 3 programmes (BE-CSE, BE-EEE, Mech) accredited in the previous year.
- UGC has given approval for starting Online Degree programmes in five disciplines which includes BBA, B.Com, MBA, M.Sc MATHS and MA- English and we are one among the 44 Institutions all over India to get the approval to start online degree Programmes .
- We are very happy to inform that Sathyabama has been recognized as the member of Worldwide CDIO initiative. We are the third member Institution from India in the CDIO Council .

RESEARCH AND PUBLICATIONS

- Our faculty members have acquired funds through various sponsored research projects funded by agencies like MoE, DST, DBT, MOES, MOEF, ISRO, DRDO, ICMR, UGC and AICTE. 20 New projects worth around 8 crores have been sanctioned this year.
- Centre for Ocean Research is identified as TIFAC Academic Partnership (TAP) Centre for the augmentation of Aquaculture Industrial Sector by Department of Science & Technology, Govt. of India .
- Scientists from Centre for nanoscience and Nanotechnology and Ural Federal University (Russia) have jointly developed a novel method for industrial scale production of Quaternary Nanocomposite for diverse applications.
- Centre for Ocean Research is awarded with prestigious Takeda Science Foundation Fellowship Award to jointly work with National Institute of materials Science, Tsukuba, Japan.
- Very glad to mention that Our faculty have been selected as Mentors of Change by Atal Innovation Mission and the mentors affiliated with Sathyabama Technology Business Incubator are awarded to represent them as Mentors of Change (MoC) and Regional Mentors of Change (RMoC) for the Government of India's flagship programme

of Atal Tinkering Labs, a strategic nation-building program established by Atal Innovation Mission (AIM) of NITI Aayog, Government of India.

- Sathyabama TBI has been recognized as the Nodal centre for “Innovation, creativity and Entrepreneurship” by Atal Incubation Centre, RAISE.
- Sathyabama TBI has been selected as one among the Top 12 incubators in the “Scaleup: incubators” programme initiated by StartupTN, Govt of TamilNadu.
- One of our Sathyabama TBI incubatees – CZ Smart Mobility has been recognized as Emerging / Budding Entrepreneurs by MSME, Government of India.
- Sathyabama Technology Business Incubator has been instrumental in promoting a culture of innovation and entrepreneurship among our students and in our community and has facilitated the development of many startups.
- Centre for Earth and Atmospheric Science and Centre for Climate Change studies has been identified by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, to train public on “Basic Principles of Disaster Management”
- State-of-art Micro level Research Facility for Surface Meteorological studies is being established by Centre for Remote Sensing and Geoinformatics.
- We have received financial grant from AICTE for the study tour of ATAL TUNNEL under the AICTE’ (Yuvak) -Youth Undertaking Visit for Acquiring Knowledge Scheme
- The researchers at Sathyabama have bagged several fellowships that include DST -OVDF under Indo- Purdue Initiative ,Korean Research fellowship, European Research Council Fellowship, Indo Japanese Young Research Fellowship, ICMR- DHR International Fellowship.
- Our faculty members and students have received seed funding from the Institution to the tune of 35 Lakhs to develop products and as an outcome,15 products are now ready for commercialization.
- The Institution has shown a remarkable performance with respect to publications by bringing out internationally acclaimed research publications. The Institution has around 11,000 Research publications Indexed in Scopus with a H- index of 73 and around 5000 publications indexed in Web of Science with a H -index of 63. 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 waiting for the grant of more patents as it has filed for 56 more patents this year.
- We conducted several FDP , workshops and seminars which includes two Atal FDPs funded by AICTE
- Institution has taken sufficient steps towards implementing the New Education Policy and organized several awareness programmes for the faculty on the transformational reforms of the New Education Policy.

INFRASTRUCTURE AND FACILITIES ESTABLISHED

- The School of Electrical and Electronics Engineering has established a Remote lab for Analog integrated circuit laboratory through which the students can access real hardware present in the lab and perform experiments, using their laptops or mobile phones from anywhere anytime.
- School of Computing has initiated PRIDE- “Project Innovation & Development Centre”, a pre incubation Centre to nurture the culture of innovation and entrepreneurship in order to facilitate more incubates from the Institution.
- School of Mechanical Engg has established Rapid Prototyping Lab with 3D printers to encourage more projects towards Additive manufacturing
- An open-Air Theatre with a seating capacity of 1000 has been constructed which is suitable to host various intra and inter University programmes.

FACULTY APPRECIATION AND RECOGNITION

- The consistent motivation and encouragement of the Institution has resulted in more number of high impact publications. On this Teachers Day, 128 faculty members have been appreciated with cash awards worth 75 lakhs and a certificate of appreciation for publication in high impact factor Journals. The highest award received this year is Rs. 5, 60, 000, by a Scientist from Centre for Waste management who has made 25 high impact publications.

- Sathyabama has introduced **SScore- Sathyabama Score**, a rating system to assess the overall performance of faculty in different dimensions. Faculty from academics and research who scored more points in SScore and secured top ten places were appreciated with cash awards and certificate of appreciation.
- We are proud to share that our scientific publication has been indexed by Nature Scientific Index which is one of the Top reputed database worldwide.

STUDENTS PROGRESSION

- During this Pandemic period, though we are not able to send our students on Mobility Programmes, physically to our Partnering Universities abroad, we have provided them opportunity to enroll in virtual mobility programmes. Sathyabama has tied up with the partnering Universities to offer Virtual semester abroad programmes and summer schools for the students. The International office facilitated both inbound and outbound virtual exchange programmes, through which students pursued courses involving transfer of credits with no additional fees.
- With respect to outbound mobility, the students have undergone the semester abroad programme, internship programme through virtual mode and physical mode to more than 20 Universities across the world.
- With regard to inbound exchange programme, we have received students in physical and virtual mode from more than 25 Universities from different countries.
- 525 students have enrolled for higher studies in foreign Universities.
- 6 students doing their Masters in Dental Surgery have received TATA Scholarship worth 10 lakhs.
- The Centre for skill development has conducted 22 programmes on various fields and nearly 3000 students were benefitted from the skill development programmes this year.
- Our Institution in collaboration with **Anbu Foundation** provided 100% Scholarship for 510 meritorious students coming from economically weaker section of the society.

PARTNERSHIPS AND COLLABORATIVE ACTIVITIES

- 2 Fellows from Indonesia have acquired grants to visit Sathyabama under ASEAN-India STI Cooperation approved by DST for a period of six months, to pursue research under the Mentorship of the Physics faculty of Sathyabama.

- Our Institution has partnership with more than 150 International Universities and 50 Industrial organizations for research collaborations, faculty and student exchange, internship programs and training.
- 21 MoUs with international Universities and 18 MoUs with Industries were signed in the last academic year.
- Erasmus Plus agreements have been signed with Transilvania University of Brasov, Romania and Wszechnica Polska University in Warsaw, Poland for executing European Union funded student and staff mobility programmes.
- The Institution has organized 6 joint International Conferences with partnering Universities across the globe.
- MHRD-SPARC Supported One Day International Colloquium on “Challenges and Impact of COVID-19 on Tuberculosis” has been Organised by CDDD, Jointly with School of Biological Sciences, Nanyang Technological University (NTU), Singapore. This program is conducted in commemoration of World TB Day.
- ToPNET-Singapore, MHRD-SPARC, Ministry of Education- Government of India and Prime Minister Office of Singapore Supported the International Conference on New approaches to Tuberculosis Drug Discovery Jointly Organised by CDDD, with School of Biological Sciences, Nanyang Technological University (NTU), Singapore. More than 400 Scientists, Researchers, Clinicians from 270 National and International Institutes from 40 countries took part in the program.

OUTREACH

- The institution has adopted 21 schools and 5 villages. Awareness on various prevailing social issues is being conducted periodically by our students and we have addressed the infrastructural and academic needs of the schools.
- Sathyabama participates in many of the Government Initiatives and eleven projects are selected for funding under the Unnat Bharat Abhiyan Scheme of MHRD, under which technological solution are provided to problems faced by villages.
- Sathyabama has contributed Rs. 50,00,000 towards Chief Minister's Relief Fund on 12th May, 2021. This is addition to one Crore which was given in 2020.

- Sathyabama's General Hospital and Hostels have been used by Chennai Corporation to quarantine Covid Patients.

PLACEMENTS

We are proud to say that our placement efforts continued undisrupted even during this pandemic period. 257 companies visited our campus virtually last academic year and 91.6 % students have secured Job offers through our Campus Recruitment Program with an average package of 4.75 lakhs per annum. The highest package this year is 27 lakhs per annum. Students have been placed across various domains at National and International companies. Companies including Diverta, Human Resourcia, Cognizant, Wipro and Capgemini, Amazon, Hitachi, Seimens, Renault Nissan, Delloite, Wipro, Verizon, HCL, Hyundai, Oracle, Zifo R & D, E&Y, Saint Gobain, and ACP Limited hired most of our students.

CONCLUSION:

At this gesture, I would like to extend my heartiest congratulations to all the graduands who are receiving their degrees today. Graduation is a time to remember and a time to Dream. It is a proud moment to every parent who dreamt to see their wards completing their education and entering the threshold of their career. I also thank the faculty members for mentoring the students and supporting them in their crucial period of transition from a student to a graduand. I specially congratulate all the gold medalists for their achievement. Always aim high and All your dreams will come true if you have courage to pursue them, and you work hard with the passion, determination, and dedication.

Once again, I thank all the stakeholders for their support in achieving the mission of our Institution. I take this opportunity to wish the GRADUANDS, and all the stake holders' best wishes in all your endeavor.

Dr T Sasipraba
Vice Chancellor



RANKINGS & RATINGS

INTERNATIONAL LEVEL



Times Higher Education World Rankings

- * Ranked 1201+ in the world by Times Higher Education World University Rankings, 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, 2021

TIMES IMPACT RANKING



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.

INTERNATIONAL LEVEL

Ranked # **5** among the Private Institutions in India for Innovation



Ranked in **40th** Position among Universities in India by NIRF, Govt. of India 2021.

Ranked among the top **50** Universities for six consecutive years.



RANKED NO.

34 among the Top Multi-Disciplinary Universities in India by THE WEEK Survey, 2021

14 among the Top Multi-Disciplinary Universities in South Zone, by THE WEEK Survey, 2021

3 among the Top Non-Government (Private & Deemed) Multi-Disciplinary Universities - South Zone by THE WEEK Survey, 2021



8 among the overall Top Engineering Institutions in India according to Times Engineering Institutes Ranking 202

3 among the Private Engineering Institutions in India according to Times Engineering Institutes Ranking 2021

4 position among the Best Private Universities in Tamilnadu for the year 2021 by India Today.

22 position among the Top Private Engineering Colleges in India for the year 2021 by India Today.



Rated with the highest Diamond Rating for Overall Performance by QS I-Gauge Indian University ratings.

22 position among the Top Private Universities in India for the year 2021 by India Today.

20 position among the India's Best Colleges offering Architecture Programme for the year 2021 by India Today.



RANKED NO.

19

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

ACCREDITATIONS



Accredited **"A"** Grade by NAAC



Approved by **AICTE**

