



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)



29th CONVOCAATION REPORT
2019-2020
18th September 2020



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

www.sathyabama.ac.in

29th Convocation Report – 2019-20

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A Very Good Morning to one and all present here. I extend a warm greetings to the **Honourable Chief minister of Tamil Nadu Thiru. Edappadi K. Palaniswami**, Chief Guest of the 29th Convocation Ceremony, The Guest of Honour **Dr. Arun Kumar Bhaduri, Director, Indira Gandhi Centre for Atomic Research, Kalpakkam**, Our Honorable Chancellor **Dr. Mariazeena Johnson**, Respected President **Dr. Marie Johnson**, Members of the Board of Management, Members of Academic Council , Pro Vice Chancellors, the Registrar, Directors, the Controller of Examinations, Deans, Heads of all the Departments, Faculty members , Media reporters, parents ,my dear young Graduands and Ph.D Awardees.

On this memorable occasion, we fondly remember our Founder Chancellor **Col. Dr. Jeppiaar**, a great visionary who was much respected in the field of Engineering education in Tamilnadu for popularizing the Model of Self financing Engineering Education. He was a great humanitarian who served countless lives throughout his life. Madam **Dr. Remibai Jeppiaar's** guidance is helping the Institution to focus on growth and development without compromising on the values instilled by the founder Chancellor.

Sathyabama's Chancellor **Dr. Mariazeena Johnson** and President **Dr. Marie Johnson** have taken the Institution to greater heights. Their vision, leadership and support have put our Institution in the right trajectory of progress.

We are very happy and privileged to have our honorable Chief Minister of Tamil Nadu as the Chief Guest for our 29th Convocation. Our graduands are indeed lucky and will definitely be happy in having a great leader and the head of our state gracing the occasion. We are also happy to have Dr. Arun kumar Bhaduri, Distinguished Scientist

and Director of Indira Gandhi Centre for Atomic Research as the Guest of Honour for our 29th Convocation. We deem it a great honour to have your good self in this auspicious occasion sir. Today we are part of this solemn occasion to confer degrees to a total of 3438 graduates and 134 Ph. D. Awardees.

Degree	School	No.of Students Admitted	No. of Students Graduated	Graduate %
UG	Computer Science	958	912	95.20
UG	Electrical & Electronics	484	462	95.45
UG	Mechanical	450	446	99.11
UG	Bio & Chemical	340	321	94.41
UG	Building and Environment	300	279	93.00
UG	Management Studies	300	283	94.33
UG	Dental Sciences	99	96	96.97
UG	Science and Humanities	180	169	93.89
PG	Engineering & Technology	120	98	81.67
PG	Science and Humanities	80	76	95.00
PG	Management Studies	300	296	98.67

It is my pleasure and honor to present before you a brief report on the Institutions accomplishments for the Academic year 2019-20.

ACCREDITATION, RECOGNITION AND HONORS

Sathyabama has got a very high visibility and has been recognized as an institution that is involved in high quality teaching and research in diverse fields. It is placed among the top ranking Universities at National and International level. NIRF - National Institutional Ranking Framework, MHRD, Govt. of India has ranked Sathyabama in the 39th position among the Universities in India, and this is the fifth consecutive year it has been placed amongst the Top 50 Institutions in India. On behalf of the Institution I sincerely thank all the stakeholders for their vital contribution in our pursuit for 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.

It is my proud privilege to report that

- Sathyabama is placed in the band of 51-55 position among the Indian Institutions by QS India Rankings 2020.
- Times Higher Education has ranked Sathyabama among the top Institutions worldwide. We have been placed in good positions in the Times Higher Education's Subject Ranking for Engineering and Physical Sciences, Emerging Economies Universities Ranking and Young Universities Ranking, for the year 2020.
- India Today has ranked Sathyabama as No. 1 private institution in India for the highest number of Patents Granted and has given 23rd position among the Top Institutions in India, Times Engineering has given the 3rd rank for Sathyabama among the Top Private Engineering Institutions in India and 11th rank among the top Engineering Institutions in India for the year 2020. The WEEK Magazine has ranked Sathyabama in 9th position among the Universities in India and 5th among the Private Universities in south zone for the year 2020.
- **University Grants Commission has conferred Sathyabama with 12B status, which has made the Institution eligible to receive more Research funding from Central Government to undertake more sponsored research projects.**
- The core programmes are accredited by the **National Board of Accreditation**, which includes B.E.-Computer Science Engineering, B.E.- Electrical and Electronics Engineering and B.Tech- Biotechnology. Other Programmes are undergoing the process of accreditation.

Our campus is home to around 12,000 students from different states of the country and abroad. Owing to its academic ambience, state of the art infra-structure and world class research facilities, Sathyabama has become an attractive destination to students across the world.

This year, additionally we have got the approval from AICTE to start three specialized programmes in B.E(Computer Science and Engineering), B.E Computer Science and Engineering with Specialization in Artificial Intelligence, B.E Computer Science and

Engineering with Specialization Data Science and B.E Computer Science and Engineering with Specialization IOT . We have also started B.Sc (Computer Science) with specialization in Artificial Intelligence.

RESEARCH

On research front, the Institution is progressing ahead in bringing out internationally acclaimed research publications. Sathyabama faculties have reached milestones in publishing in high impact factor journals. The Institution has around 16,000 Research publications Indexed in Scopus and Web of Science databases to its credit and the H -index of the Institution is 62. More than 300 Joint Publications are made as the outcome of the joint research with International Research Organizations and Universities. Our commitment to research can also be well understood by the number of patents granted for the innovative products and designs. The Institution has 80 patents to its credit for the year 2019-20.

Recently we received approval from MSME to establish Business Incubator to promote Technology based entrepreneurship.

Ministry of Earth Sciences, Government of India has recognized Centre for Ocean Research as a Nodal Centre for Marine Biotechnological Studies and established "Earth Science Technology Cell" (ESTC) in association with National Institute of Ocean Technology (NIOT), Chennai and Centre for Marine Living Resources and Ecology (CMLRE), Kochi.

Our university distinguished itself in receiving grants from all the major research funding initiatives by Ministry of Education including SPARC, SPARSH, UBA & IMPRESS programme. Our International Research Centre and Col. Dr Jeppiaar Research Park received Post doctoral fellows, Research Associates , Inspire fellows, Junior and Senior Research fellows funded by various Government organizations like DST INSPIRE, UGC, DST N-PDF, DST-RTF and ICMR.

MARINE RESEARCH STATION

We established a new marine research station at Rameswaram. The marine station would encourage our scientists to do cutting-edge marine ecology and climate change research to

sustainably use, manage and conserve the natural ecosystems for the benefit of the coastal communities of Gulf of Mannar and Palk Bay regions.

We have received funds from many of the major research funding agencies like MHRD, DST, DBT, MOES, MOEF, ISRO, DRDO, ICMR and AICTE. We have received Research funding of 17 Crores from various funding agencies for the year 2019-20. The researchers at Sathyabama have bagged several fellowships that include Korean Research fellowship, European Research Council Fellowship, Indo Japanese Young Research Fellowship, and Research Training Fellowship for Developing Country Scientists. Two of our researchers are funded by DST-OVDF for Indo-US Purdue Partnership Programme for Post-Doctoral Research. DST Travel grants have also been received by some of the faculty members to present their research findings in international conferences.

Sathyabama Technology Business Incubator (TBI) conducted its Startup Summit - Pitching Program for Young Entrepreneurs through which students were supported to incubate their ideas.

To encourage and motivate the faculty members for their innovative ideas, **SEED** funding, to the tune of 25 Lakhs was provided to 15 faculty members on Teachers Day. 209 high impact publications of 113 faculty members have been appreciated with cash awards worth 50 lakhs and a certificate of appreciation on Teachers Day.

We are proud to share that our faculty have been selected as Mentors of Change by Atal Innovation Mission, NITI Aayog, Government of India.

I am very happy to inform you that highest Impact factor publications this year is 12.96 in the journal “Angewandte chemie” by the scientists of Centre for Drug Discovery and Development on Discovery of novel drug for TB.

Scientists from Centre for Drug Discovery and Development have Participated in the 11th Indian Scientific Expedition to Southern (Antarctic) Ocean during Jan – Mar 2020(2 months), organized by NCPOR, Goa, funded by MoES, Govt. of India.

We are proud to share that our scientific publication have been indexed by Nature Scientific Index which is one of the Top reputed indexing database worldwide.

STUDENTS PROGRESSION

Our students went to our Partnering universities in Malaysia, Germany, Turkey, Romania,

USA, Singapore, UK on internship, Semester Abroad and Student Exchange programmes. Students underwent summer Internship programme in more than 10 different Universities.

The Institution has organized 7 International conferences on various domains along with University Putra Malaysia, Universiti Teknologi Mara, Malaysia, Nottingham Trent University, UK, Siya kuala Lumpur University, Indonesia, University Westminster, UK and UNIS, Brazil.

23 Student clubs with wide ranging activities imparted a holistic education by involving the students in several co-curricular and extra-curricular activities. This culminated in a student organized “Techno Summit” which witnessed over 2000 students from different institutions participating in an All India level. We are proud to inform that the Youth Red Cross through blood donation has collected nearly 400 units of blood and donated to the Indian Red Cross Society.

We are happy to share that 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 solutions are provided to problems faced by the adopted villages.

SKILL DEVELOPMENT

The Centre for Skill development had a eventful engagement this year in training over 2500 students and learners towards skill development and employability, last academic year.

This year we have 39 students who have done their Internships through AICTE Internship Programme.

Three Biotechnology Students of our Institution have received the prestigious GYTI (Gandhian Young Technology Innovation Award), Govt. of India. One of our Aeronautical Students has received the MHRD- Fellowship for Internship out of total 12 students from India who received scholarships from the Govt. of India.

Twelve of our Dental students have received the TATA trust fellowship worth of 15,00,000 to pursue their studies.

PROJECT & ACADEMIC AWARDS

Technovation - a project exhibition was conducted for all the final year engineering students and 15 projects were awarded with cash prize for their innovative ideas.

The top 3 rank holders from each stream have been awarded with Dr. Jeppiaar Remibai Scholarship and under this scholarship a total of 138 students' tuition fee has been waived in part based on the merit.

“Star of Excellence Award” is awarded to students who have achieved par excellence in academics, co-curricular and extracurricular activities. This year 19 students have received this outstanding award. Further we have rewarded 6 students for 100% attendance during the entire course.

For this year alone, Our Institution in collaboration with **Anbu Foundation** provided 100% Scholarship for 510 Meritorious students coming from economically weaker section of the society.

INTERNATIONAL RELATIONS:

International Universities

Our Institution has signed more than 200 MoUs for research collaborations, faculty and student exchange, and internship programs, of which 68 MoUs with international Universities were signed in the last academic year.

23 Faculty members from various departments were sponsored by the institution for faculty exchange programme to our Partnering Institutions across the globe. Faculty members went on Erasmus Plus funded by European Union and Mevlana Exchange programme to Turkey funded by Turkish Higher Education Council . 14 of our Scientists have visited various Laboratories in USA, Taiwan, Japan, Korea ,Sweden, Singapore through various funded research scholarships.

Inbound- Students from UNIS, Brazil and Halla University, South Korea , Malaysia, have

come to our University to pursue one semester programme. Engineering. We also have students coming from African countries on **Indo-African research fellowships**.

Outbound – Our Students went on internship to Universities across the globe. Students were selected under the Mevlana Exchange Program, a student exchange program funded by Turkish Higher Education Council.

PLACEMENTS

We are happy to state that 245 companies visited our campus last academic year and 91.5% students have secured Job offers through our Campus Recruitment Program with an average package of 4.5 lakhs per annum. We are proud that the highest package this year is 41 lakhs per annum. Students have been placed across various domains at National and International companies. The major companies including Diverta, Human Resocia, Cognizant, Wipro and Capgemini, Amazon, Hitachi, Siemens, Renault Nissan, Wipro, Verizon, HCL, Hyundai, Oracle, Zifo R & D, E&Y, Saint Gobain, and ACP Limited hired most of our students.

PROTECTING ACADEMIC INTERESTS OF STUDENTS DURING COVID -19

The Covid-19 Pandemic has made all of us to think innovatively to manage the crisis situation. Technology came to our rescue and we were able to come out with constructive solutions for every problem. We did respond to the situation in a very short span and quickly embraced the technology to ensure uninterrupted learning to the students.

‘Best Practices’ of our Institution to continue with the teaching, learning and research and to protect the academic interests of the students during COVID-19.

ONLINE CLASSES

As an immediate measure, we have scheduled online classes for students through online platforms including Zoom, Google meet, Google Classroom and Microsoft Team. The MOODLE LMS is used immediately by all the students and faculty to continue their learning and evaluation process. The students were informed about the schedule and the

Department made sure that every student participated in the classes. The entire syllabus was completed within the time frame of the semester. The students were assessed through online assignments and quizzes and were given grades for the semester. The project viva for the final year students were conducted online.

WEBINARS AND STUDENT DEVELOPMENT PROGRAMMES

Webinars on topics like higher studies opportunities post COVID-19 at National and International Universities, Crisis Management and Entrepreneurial development were organized to keep the students engaged and motivated during the lockdown period. Aptitude training and Personality Development Programmes were organised online to improve the placement opportunities for students post COVID-19.

Free MOOC Courses

Sathyabama has tied up with Coursera to offer free online courses to the students and faculty. This has given an opportunity to our students to enroll in courses offered by renowned Universities across the world at free of cost. This is a very good initiative which has keeps our students and faculty members engaged and enable them to utilize their time productively.

Virtual Mobility Programmes at International Universities

Sathyabama provides opportunity for the students to enroll in virtual mobility programmes at International Universities. Sathyabama has more than 200 partnering Institutions across the world and have tied up with the partnering Universities to offer Virtual semester abroad programmes and summer schools for the students. The International office facilitates the virtual exchange mobility programmes, which offer courses involving transfer of credits with no additional fees.

Virtual/Online Programmes

- Virtual cultural Programmes: The students were deprived of nothing including the fun element which they will experience if they are physically present in the campus. Virtual cultural Programmes were organized in which students performed dance

(named as dis-dance) drama (named as Pan-dramatic) and many more programmes creatively named relating to the COVID 19 situation.

- **Virtual Alumni Meetings:** Alumni Meetings were conducted virtually in which our alumni working and settled across the world have enthusiastically participated. These meetings connected the alumni who are interested to support and give back to the Institution.
- **Online Hackathons:** Hackathons were conducted in which students across India participated and offered creative solutions to the practical problems faced by various sectors.
- **Online Quiz Programmes:** Quiz programmes open to all students across the world were organized in various subject area.
- **Online Quiz Programmes to School Children:** To motivate and encourage School Children Quiz Programme named 'BRAINIAC' was organized and top three winners were given prizes and others are provided with participation certificate.

CENTRE FOR PROFESSIONAL AND CAREER ADVANCEMENT

We have established a Centre for Professional and Career Advancement through which Online Certificate and Post Graduate Diploma courses are conducted. The Centre was inaugurated by **Prof. S. C. Sharma, Director, NAAC on 16th July 2020** to commemorate the 20th year of attaining the Deemed University Status. He has virtually inaugurated the centre and appreciated the Institution for such an initiative.

COL. Dr. JEPPIAAR RESEARCH FORUM

This forum has been established to facilitate knowledge sharing on the thrust areas of research. The forum creates awareness on the advances in research and development activities happening around the world and to develop interest in various fields of research. The forum also provides opportunities for the scholars to discuss their research ideas with the Scientists of our University to convert their ideas into technological

development. The research forum educates the researchers on the importance of quality publications and helps them in writing research articles and converting them into publications.

CONCLUSION

At the outset, I offer my heartiest congratulations to each one of the graduands who is present here and those who could not attend but will be getting degrees in absentia for their hard work; parents and guardians for the sacrifices made and the faculty members for spending their time in mentoring them to complete their studies successfully and timely. Special congratulations to all the gold Medalist and their parents for their achievements. I also express my sincere appreciation to the staff of Sathyabama Institute of Science and Technology for their support and to make the Institution a place of excellence and fine achievements.

Higher education is ever dynamic and with advent of e-learning, post COVID 19, the education system is changing worldwide. To stand up and be recognized as a premier Institution we must be responsive, inclusive and adaptive to the changes taking place in the global environment. I hope that we would be able to do that with the support of all the stake holders. I take this opportunity to wish the GRADUANDS, Doctorates and all the stake holders, best wishes in all your endeavor. Jai Hind!



Key Accomplishments (2019 - 2020)

- ★ SATHYABAMA is conferred with 12(B) status by University Grants Commission (UGC)
- ★ Ranked among the Top 5 Private Institutions in the country for Innovation by Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020
- ★ Ranked at 39th position among the Universities in India by the National Institutional Ranking Framework (NIRF) 2020
- ★ SATHYABAMA is placed in 51-55 position among the Indian Institutions by QS-India Rankings 2020
- ★ B.E.(CSE), B.E.(EEE) and B.Tech(BioTech) Programs are accredited by National Board of Accreditation (NBA)



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