



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
RAJIVGANDHI SALAI, JEPPIAAR NAGAR, TAMILNADU, INDIA

ANNUAL REPORT

2018 - 2019

With the Blessings of



Col. Dr. JEPPIAAR, M.A., B.L., Ph.D.
Founder Chancellor

Message

Dr. MARIAZEENA JOHNSON

B.E., MBA., M.Phil., Ph.D.

Pro Chancellor

Dr. MARIE JOHNSON

B.E., MBA., M.Phil., Ph.D.

Vice President

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

Educational institutions are growth engines of a country. The quality of intellectual product determines the potential of a nation and its people. All the parents’ and students’ career aspirations are most respected and realized in this soil. Around 250 companies visited campus in the last academic year.

We are happy to share that all the eligible students secured opportunity of their interest and left the campus with million dollar smiles. Our campus recruitment is not just a process; it is indeed a mission to live upto the stakeholder’s belief on us.

Our founder chancellor set benchmarks to perform. We are happy to declare that we are crossing milestones of performance with divine blessings showering in the form of our students’ achievements. Strategic planning, effective leadership at every level, committed staff are the assets of Sathyabama Institute of Science and Technology. We are committed to shape your careers beyond limitation; we welcome your decision in choosing this distinctive destination.

Foreword

As Sathyabama successfully completes 30 years of innovative excellence in teaching and learning, we emphasize our institution's fourfold objectives, imparting knowledge by dedicated teaching, student progress, excellent research in frontier areas compounded by good infrastructure and accountability to social needs.

To achieve these objectives our curriculum is designed to ensure that our teaching learning process and resources are tuned to the current societal need, i.e. Industry Version 4.0. Our institution lays emphasis on the current trends in various emerging areas including cyber physical systems, artificial intelligence, advance manufacturing, biotechnology, nanotechnology, medical devices, water resources, 5g communication, internet of things, cloud computing, non-conventional energy resources, smart grids, etc. Accordingly, we have established collaborative partnership with leading industries, government sectors, and research institutions in India and abroad.

To augment our "Eye for Excellence", we have research awards, fellowship, scholarship schemes to make the students excel in curricular, co-curricular and extracurricular activities. Our students show outstanding ability in interdisciplinary collaborative skills with hands-on engagement. Together with the faculty and staff we truly demonstrate the 'Sathyabama Spirit'.

VICE CHANCELLOR

Steering Committee

- Dr K V Narayanan **Vice Chancellor**
- Dr. T. SASIPRABA, **Pro Vice Chancellor**
- Dr. S.S.RAU, **Registrar**
- Dr Sheela Rani , **Director - Research**
- Dr. G. SUNDARI, **Dean Student Affairs**
- **Dr E Logashanmugam, Dean Staff Affairs**
- Dr. S. IGNI SABASTI PRABU, **Controller of Examinations**
- Deans of all Schools
- Heads of all Departments

Editorial Team:

- Dr. A. Chitra Devi, **Assistant Professor, Centre for Academic Partnership & International Relations**
- Dr. Preethi Sheshadri, **Assistant Professor, Centre for Academic Partnership & International Relations**
- Ms. V. Lakshmi Priya, **Research Assistant, Centre for Academic Partnership & International Relations**

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1 ABOUT SATHYABAMA

Sathyabama Institute of Science and Technology is one of the premier Higher Educational Institutions in India with a high reputation for teaching and research excellence. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A' Grade by the National Accreditation and Assessment council. The Institution offers under graduate and Post graduate Programmes in various fields including Engineering, Science, Technology, Law, Dental Science, Pharmacy, Nursing, Humanities and Management. Sathyabama has been conferred with 12B status by University Grants Commission which has made the Institution eligible to receive assistance from Central Government to undertake more sponsored research projects. This glorious Institution is functioning under the dynamic leadership of Dr. Mariazeena Johnson, Chancellor and Dr. Marie Johnson, President.

1.1 VISION AND MISSION

Vision

We Envision to be an Effective and Competent Source of technical manpower for the current and future Industrial requirements.

Mission

- Undertaking research & development activities in emerging thrust areas
- Introducing new manpower Innovative courses based on the Industry & Societal demands Collaborating with National, International Institutes, research and development organization and Industries
- Serve the Society at large

2 INTERNATIONAL & NATIONAL RANKINGS / RATINGS

2.1 National Institutional Ranking Framework (NIRF)

Sathyabama is ranked in the 37th position in NIRF Ranking. This Ranking is an initiative of the Government of India to rank the higher Education Institutions. Sathyabama has been positioned in the Ranking for Teaching and Research Excellence.

2.2 QS I Gauge

Our Institution has been awarded the Highest Diamond rating for Overall Performance by QS (Quacquarelli Symonds), World's No.1 Ranking organisation spread across five continents spanning over 25 languages. One among the six Institutions in India to receive diamond rating. We have received the maximum Diamond rating for Teaching and learning, Employability, Student Diversity, Accreditation, Entrepreneurship, research and Facilities and gold ratings for Faculty Quality and Social responsibility.

2.3 TIMES HIGHER EDUCATION

- Ranked in 1001+ position by Times Higher Education World University Rankings, 2019. One among 49 Universities in Times Higher Education Global Rankings, 2019
- Ranked in 351+ position in Emerging Economies Universities Ranking by Times Higher Education World University Rankings, 2019.
- Ranked in 801+ position in Engineering and Technology and Physical Science by Times Higher Education World University Rankings, 2019.
- Ranked in 801+ position in Engineering and Technology by Times Higher Education World University Rankings, 2019.
- Ranked in 801+ position in Physical Science by Times Higher Education World University Rankings, 2019.

2.4 NATIONAL RANKING ORGANISATIONS

- Ranked in 351+ position by Times Higher Education Asia University Rankings 2018
- Ranked No. 4 among the Top Private T Schools in India by Dataquest-CMR Best Tech School Survey 2018
- Ranked No. 8 among the Private Universities in India by India Today, 2018

- Categorized as AAAA Grade Institute according to Careers 360 -Top Engineering Colleges Survey, 2018.
- Ranked No. 22 among the Top Engineering Institutions in India according to i3RC Times Top Engineering Institute Rankings 2018
- Ranked No. 11 among the Top Private Engineering Institutions in India according to i3RC Times Top Engineering Institute Rankings 2018
- Ranked No. 5 among the Top Private Engineering Institutions in South Zone according to i3RC Times Top Engineering Institute Rankings 2018

2.5 FICCI

1. Received FICCI Higher Education Award, 2018 for the category-Employability
2. Received FICCI Higher Education Award, 2018 for the category- Excellence in Research



3 INFRASTRUCTURE DEVELOPMENT

3.1 Innovative technology lab

Dr.Marie Johnson, President and Dr.Mariazeena Johnson, Pro Chancellor had Inaugurated a Innovative Technology Lab in the department of Information and Technology, School of Computing, Sathyabama Institute of Science and Technology, Chennai on 04th September,2018.With the aim to provide the students to work on the latest technologies such as Artificial Intelligence, Big Data Analytics, Mobile Application Development etc.,



3.2 NEW BLOCK FOR SCHOOL OF MANAGEMENT STUDIES AND CENTRE FOR ENTREPRENEURSHIP

Dr.Mariazeena Johnson, Pro Chancellor had Inaugurated a Sathyabama School of Management Studies Block and Centre for Entrepreneurship to promote entrepreneurial education, innovation and incubation on 24th August, 2018.This Block includes classrooms with audio visual facility and 4 computer labs for value added courses.



3.3 WSN and IOT Lab

In the remembrance of Dr. APJ Abdul Kalam, inspired by the student community, Dr. Marie Johnson, President and Dr. Mariazeena Johnson, Pro Chancellor had Inaugurated a WSN and IOT Lab in the department of Computer Science and Engineering, School of Computing, Sathyabama Institute of Science and Technology, Chennai on 27th July, 2018. With the aim to provide a platform that facilitates the students to get Hands on Training in sensor application models and Internet of Things platform.



3.4 MEGA CLASS ROOM

Mega classroom has been inaugurated by our CHANCELLOR Dr. REMIBAI JEPPIAAR on 16th July, 2018. Dr. Marie Johnson, President and Dr. Mariazeena Johnson, Pro Chancellor have extended their wishes to the student fraternity on the eve of induction of this new infrastructure facility. This is a value addition that enables deliberations over spectrum of technological domains, student activities and various other development activities.



4 ENVIRONMENT FRIENDLY INITIATIVES UNDERTAKEN IN THE CAMPUS

- Solar energy is used for cooking. Sathyabama University feels proud to have inaugurated the World's Largest Solar Steam Cooking System on 1st of July, 2009 in the campus. We have 110 concentrator dishes with an area of 1100 m² (World's largest installation in terms of the number of dishes and square metres of the reflecting concentrator dishes)



- Water harvesting is done in different parts of the University and sent to a large tank, where it undergoes reverse osmosis process of water purification and is used for laboratory usage.
- Only the University buses are allowed inside the campus, which is the only mass transit system. No private vehicles of staff or students are allowed inside the campus, and hence the pollution is controlled within the campus.
- Trees like Azadirachta indica (Neem trees), Saracaasoca (Ashoka tree), Morindacitrifolia (Noni), Samaneasaman (Rain tree), Delonix regia (flame of the forest), Terminaliacatappa (Indian almond tree) and numerous varieties of ornamental shrubs and medicinal herbs like Ocimum sanctum (Holy basil) and many others are grown in large numbers and are preserved.



- The University has a dedicated centre for waste management, which develops novel techniques to manage and dispose waste effectively. Bio gas plants are set up to productively to recycle the organic waste matter which is produced in large quantities. Hazardous bio medical waste is incinerated regularly at a distance off the campus.
- E wastes like computers and its accessories, electrical cables are dispersed through buy back schemes.

- Bio degradable and non bio degradable wastes are segregated separately in the campus and bio degradable wastes are used as food for cattle and used as manure for the plants and trees. Non bio degradable wastes are disposed through the waste disposal adopted through Chennai Metropolitan garbage cleaning methods.

5 LIBRARY

2018-2019						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	296407	155984942	1035	25,22,343	297442	158507285
Reference Books	15246	1,03,98,996	1726	15,00,000	16972	11898996
e-Books	10926	23500	186500	3,74,000	197426	397500
Journals	138	3,54,592	42	2,50,855	180	605447
e-Journals	18827	1,00,37,849	9	4,10,644	18836	10448493
Digital Database	9	1,03,09,485	1	4,00,644	10	10710129
CD & Video	3079	3,07,900	100	11000	3179	318900
Library automation	1	3,97,600	1	35400	2	433000
Others (specify) RFID	1	20,00,000	1	13,00,000	2	3300000

6 MAJOR ACTIVITIES

6.1 SOUTH ZONE INTER UNIVERSITY FOOTBALL TOURNAMENT FOR WOMEN

Sathyabama Institute of Science and Technology in association with the Association of Indian Universities organised a South Zone inter University Football Tournament for Women



6.2 ACHIEVERS DAY

The Achiever's Day is celebrated to appreciate and award the students who have excelled in various fields. The students who have been placed in the companies are given the offer letters on achiever's day.



6.3 SATHYABAMA CULTURALS



6.4 SCHOLARSHIP STUDENTS MEET

Scholarship Students Meet held on 07th September,2018 at Sathyabama Institute of Science and Technology,Chennai. .Dr.Marie Johnson, President and Dr. Mariazeena Johnson,Pro Chancellor expressed their best wishes for the students.



6.5 INSTITUTE SOCIAL RESPONSIBILITY

Sathyabama Institute of Science and Technology has sent Disaster relief supplies & food products to 'Gaja' Cyclone affected victims on 23rd November, 2018.



6.6 TECHNOSUMMIT

Technosummit 2018, a technical event was unveiled by Dr. Marie Johnson, President and Dr. Mariezeena Johnson, Pro Chancellor of Sathyabama Institute of Science and Technology on 7th August, 2018. Students from all the clubs of Student Development Cell attended this inaugural function. Four new clubs namely Music, Mozilla, Microsoft and Hardware clubs are announced by the President sir and Pro Chancellor Madam into the fold of Student Development Cell.



6.7 SATHYABAMA CONVOCATION



7 Quality Initiatives

- Redesigning of the curriculum was proposed for all engineering, arts, science and management programs
- Orientation programs were organized to practice outcome-based education effectively
- Support was given to the departments to calculate Course Outcome (CO) attainment and Program Outcome (PO) attainment
- Conducted reviews with the departments in setting up the target of the CO-PO attainment level
- Initiations were taken towards applying funded student and faculty exchange programs with our partnering institutions through ERASMUS Plus, TWAS, Mevlana exchange programs
- Encouraged the departments to conduct more value-added programs in cutting edge technologies
- Motivations were given to the students and faculty to participate in Unnat Bharat Abhiyan activities of the institution through technological interventions in the adopted villages
- Proposed the Board of Management to allot more seed fund to facilitate for developing innovative products and research

- Orientation programs were conducted for newly recruited faculties to register for Ph.D
- Workshop was organized for writing quality research articles and project proposals.
- Seminars and workshops were conducted to create awareness on the utilization of various online teaching tools and platforms
- Submitted data for NIRF, ARIIA, QS Ranking, Times Ranking and National Surveys and Magazines

8 LIST OF PROGRAMMES OFFERED

S.NO	PROGRAMMES OFFERED
1.	B.A.-English
2.	B.Sc.-Physics
3.	B.Sc.-Chemistry
4.	B.Sc.-Mathematics
5.	B.Sc.-Psychology
6.	B.E.-Mechatronics
7.	B.E.-Computer Science and Engineering
8.	B.Tech.-Information Technology
9.	B.E.-Electronics and Communication Engineering
10.	B.E.-Electrical and Electronics Engineering
11.	B.E.-Mechanical Engineering
12.	B.E.-Electronics and Control Engineering
13.	B.E.-Electronics and Instrumentation Engineering
14.	B.Tech.-Chemical Engineering
15.	B.E.-Civil Engineering
16.	B.Arch.-Architecture
17.	B.Tech.-Biotechnology
18.	B.Tech.-Biomedical Engineering
19.	B.E.-Electronics and Telecommunication Engineering
20.	B.E.-Aeronautical Engineering
21.	B.Sc.-Visual Communication

S.NO	PROGRAMMES OFFERED
22.	B.B.A-Bachelor of Business Administration
23.	B.Sc.-Computer Science
24.	M.E.-Computer Science and Engineering
25.	M.E.-Computer Aided Design
26.	M.E.-Power Electronics and Industrial Drives
27.	M.E.-Applied Electronics
28.	M.E.-Structural Engineering
29.	M.E.-Thermal Engineering
30.	M.B.A.-Master of Business Administration
31.	M.Tech.-Medical Instrumentation
32.	M.Sc.-Visual Communication
33.	M.Sc.-Physics
34.	M.Sc.-Mathematics
35.	B.Com-Bachelor of Commerce
36.	M.Tech.-Biotechnology
37.	M.Tech.-VLSI Design
38.	M.Arch.-Building Management
39.	B.E.-Automobile Engineering
40.	M.E.-Embedded System
41.	M.Arch.-Sustainable Architecture
42.	M.Sc.-Chemistry
43.	B.Com.-Financial Accounting
44.	B.A.L.L.B (Honors)
45.	B.Com.L.L.B (Honors)
46.	B.B.A.L.L.B (Honors)
47.	M.Phil.-Mathematics
48.	M.A.-English
49.	M.Tech.-Industrial Biotechnology
50.	M.Tech.-Bio Pharmaceutical Technology
51.	M.E.-Embedded System and IoT
52.	B.D.S.-Bachelor of Dental Surgery

S.NO	PROGRAMMES OFFERED
53.	M.D.S. (Conservative Dentistry and Endodontics)
54.	M.D.S. (Orthodontics and Dentofacial Orthopedics)
55.	M.D.S. (Paedodontics and Preventive Dentistry)
56.	Ph.D.-Faculty of Science
57.	Ph.D.-Faculty of Mechanical Engineering
58.	Ph.D.-Faculty of Management
59.	Ph.D.-Faculty of Humanities
60.	Ph.D.-Faculty of Electronics Engineering
61.	Ph.D.-Faculty of Electrical Engineering
62.	Ph.D.-Faculty of Computer Science Engineering
63.	Ph.D.-Faculty of Civil Engineering
64.	Ph.D.-Faculty of Chemical Engineering
65.	Ph.D.-Faculty of Bio Engineering
66.	Ph.D.-Faculty of Architecture

8 HONOURS/AWARDS RECEIVED BY OUR FACULTY DURING THE YEAR

Year of Award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.S. Vigneshwari, National level	Associate Professor	Young Researcher Award, Integrated Intelligent Research (IIR) , India
2018	Ms. KeerthiSamhitha, National Level	Assistant Professor	Nobel Researcher Award by International Journal for Research Under Literal Access.
2018	Mr. Vignesh, National Level	Assistant Professor	Nobel Researcher Award by International Journal for Research Under Literal Access.
2018	Ms. Suja, National Level	Assistant Professor	Nobel Researcher Award by International Journal for Research Under Literal Access.
2018	Ms. Divya, National Level	Assistant Professor	Nobel Researcher Award by International Journal for Research Under Literal Access.
2018	Dr.S. Vigneshwari, International level	Associate Professor	“Innovative Researcher & Dedicated Teaching Professional (Computer Science & Engineering)” on the International Convention on Innovative Scientific Research Strategies (ICISRS-2018) held at UniversitiTeknologi MARA, Kuala Lumpur, Malaysia on October, 21, 2018.
2018	Dr.S. Gowri	Associate Professor	Innovative Research and Dedicated Teaching Professional Award-Innovative Scientific Research Professional, Malaysia
2018	Dr. V. MariaAnu	Associate Professor	Gold medal in NPTEL online certification in R Programming

Year of Award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.Y. BevishJinila	Associate Professor	Gold medal in NPTEL online certification in "Introduction to R Software"
2018	Dr. S. Revathy	Associate Professor	Gold medal in NPTEL online certification in "Introduction to R Software"
2018	Dr. S. Revathy	Associate Professor	Mentor in Nptel Certification course: Sесcriptive statistics with R
2018	Dr.G. Sundari	Professor	Topper in NPTEL online certification in DIP funded by MHRD (Top 5%)
2018	Dr.N.M. Nandhitha	Professor	Topper in NPTEL online certification in IOT funded by MHRD (Top 1%)
2018	Dr.S. EmaldaRoslin	Professor	Topper in NPTEL online certification in IOT funded by MHRD (Top 2%)
2018	Dr.S. Barani	Professor	Topper in NPTEL online certification in IOT funded by MHRD (Top 5%)
2018	Dr.M. Sumathi	Professor	Topper in NPTEL online certification in Digital Circuits funded by MHRD (Top 5%)
2018	Dr.S. Poornapushpakala	Professor	Top Mentor in NPTEL online certification in Control Systems
2018	Dr.T. Vijayshree	Assistant Professor	Top Mentor in NPTEL online certification in Introduction to prog in C Signal processing
2018	Dr. S. Barani	Professor	Mentor in NPTEL online certification in Introduction to prog in C Signal processing
2018	Dr.M. Sumathi	Professor	Mentor in NPTEL online certification in Digital Circuits
2018	Mr. J. Barnabas Paul Gladly	Assistant Professor	Best Paper Award in IEEE International Conference on Computational Intelligence and Computing Research organized by Thiagarajar college of Engineering, Madurai.
2018	Mrs M.Pushpavalli	Assistant Professor	Best Paper Award in IEEE 4th International Symposium in Robotics and Manufacturing Automation (ROMA) conducted by UCSI, Malaysia
2018	MrsP.Abirami,	Assistant Professor	Best Paper Award in IEEE 4th International Symposium in Robotics and Manufacturing Automation (ROMA) conducted by UCSI, Malaysia
2018	MrsP.sivagami	Assistant Professor	Best Paper Award in IEEE 4th International Symposium in Robotics and Manufacturing Automation (ROMA) conducted by UCSI, Malaysia
2018	MrsM.Kavitha	Assistant Professor	Topper in NPTEL online certification in Design of Photovoltaic system funded by MHRD (Top 5%)
2018	MrsP.Abirami	Assistant Professor	Topper in NPTEL online certification in Introduction to Smart Grid funded by MHRD (Top 5%)
2018	Dr.S.Packialakshmi	Associate Professor	Mevlana Teaching Mobility Programme
2018	Ar.Surya Rajkumar	Associate Professor	Topper in NPTEL online certification in Landscape Architecture and Site planning funded by MHRD (Top 5%)
2018	Dr.V.K.Bupesh Raja	Professor	Overseas Research Fellowship (ORF) from Materials Division, National University of Singapore (NUS), Singapore.

Year of Award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. S. Prakash	Professor	ASDF International Global Award – Dec 2018-Academic Dean
2018	Dr.M.Masilamani Selvam	Associate Professor	Best Faculty Award, Nature Science Foundation, Coimbatore
2018	Dr.Tr.Kalai Lakshmi	Assistant Professor	One Month Faculty Exchnage Program In Universtas Of AhamadDahlanYogyakartha At Indonesia
2018	Dr. Nithya S	Assistant Professor	One Month Faculty Exchnage Program In Universtas Of AhamadDahlanYogyakartha At Indonesia
2018	Dr. M. Maya	Assistant Professor	15 Days Faculty Exchnage Program In Karabuk University, Turkey
2018	Dr.Bhuvaneswari G.	Professor	International Conference, Invited Talk On Smart Cities In Unis Brazil In Brazil
2018	Dr. S. Ganesh	Professor	Best Teacher Award
2018	Mr.Ajith Kumar	Scientist	TEEP – Taiwan Experience Education Programs,Ministry of Education, Taiwan
2018	Mr.Durai	Scientist	Short – Term Research Internship Ministry of Education, Taiwan
2018	Mr.Arjun Pitchai	Scientist	Indo-US Purdue Partnership Programme DST-SERB OVDF, New Delhi
2018	Mr.Krishnamanikumar	Scientist	TEEP at ASIA – Research Internship TEEP-ASIA
2018	Dr. MAYA	Asst Prof	Mevlana Exchange ProgrammeTurkey Higher Education Council
2018	Dr. PACKIALAKSHMI	Asso. Prof	Mevlana Exchange ProgrammeTurkey Higher Education Council
2018	Mr.Vanjinathan	Asst Prof	Vishwakarma Award-2018AICTE
2018	Dr.Valarmathi	Professor	Regional Winner - Vishwakarma Award-2018AICTE
2019	Dr. Kishor Sonti	Associate Professor	Best Teacher Award from CTS
2019	R. SakthiPrabha	Assistant Professor	Top Mentor in NPTEL online certification in Introduction to IOT
2019	M. R. EbenezarJebarani	Associate Professor	Elite gold medal in NPTEL online certification in Introduction to IOT
2019	J. Adeline Sneha	Assistant Professor	Dr.APJ Abdul Kalam Award For Innovative Research By Society for Engineering Education Enrichment (SEEE)
2019	MrsD.Ramya	Assistant Professor	Topper in NPTEL online certification in Introduction to IOT funded by MHRD (Top 5%)
2019	Dr.S. Radhika	Assistant Professor	Topper in NPTEL online certification in Introduction to IOT funded by MHRD (Top 5%)
2019	DrR.Vanitha	Professor	Topper in NPTEL online certification in Introduction to Smart Grid funded by MHRD (Top 2%)
2019	MrsM.Pushpavalli	Assistant Professor	Topper in NPTEL online certification in Introduction to IOT funded by MHRD (Top 5%)

Year of Award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.R.Vanitha	Professor	Topper in NPTEL online certification in Teaching and learning in Engineering funded by MHRD (Top 1%)
2019	Dr.G. MerlinSheeba	Associate Professor	Appreciation certificate for High Impact Factor Publication
2019	Mr. Rajinikanth	Assistant Professor	Appreciation certificate for High Impact Factor Publication
2019	Mr. Aranganathan	Assistant Professor	Appreciation certificate for High Impact Factor Publication
2019	Dr. V. MariaAnu	Associate Professor	Mentor in NPTEL online certification in Programming in C++
2019	Dr. V. MariaAnu	Associate Professor	Gold medal in NPTEL online certification in Descriptive statistics with R
2019	Dr.Y. BevishJinila	Associate Professor	Mentor in NPTEL certification in the course "Cloud Computing"
2019	Dr. S. Revathy	Associate Professor	Silver medal in NPTEL online certification in Descriptive statistics with R
2019	Dr P Ajitha	Associate Professor	Mentor in NPTEL online certification in Programming in Java
2019	Dr.L.MaryGladence	Asst.Professor	Silver medal in NPTEL online certification in Descriptive statistics with R
2019	Dr.L.MaryGladence	Asst.Professor	Mentor in NPTEL online certification in Data Mining
2019	Dr.Y.BevishJinila	Associate Professor	Silver medal in NPTEL online certification in Descriptivestatistics with R
2019	Dr.M.M.Vijayalakshmi	Professor	Best Women Engineer Award from Institution of Engineer's India
2019	Ar.Surya Rajkumar	Associate Professor	Elite silver medal in NPTEL online certification in Housing Policy & Planning
2019	Ar.Shankar.V	Associate Professor	Elite silver medal in NPTEL online certification in Housing Policy & Planning
2019	Mr.R.KajaBanthaNavas	Assistant Professor	Inspection Authority, Mowlana Azad Education Trust, Ministry of Minority Affairs, Govt of India.
2019	Mr. G. Madhan Kumar	Assistant Professor	Student Project Scheme, TANSCST, Chennai.
2019	Dr. S. Prakash	Professor	IIPE- Chairman - Chennai Chapter
2019	Dr. S. Prakash	Professor	VIFA- July 2019-Distinguished Faculty Award
2019	Mr.J.Aravindkumar	Assistant Professor	Best publication award from Indian Society for surface science Technology
2019	Dr. J. Karthikeyan	Assocaite Professor	Erasmus Staff Mobility for Teaching
2019	Dr. Mary JeyaJothi	Assistant Professor	International Young Women in Science - Mathematics
2019	Mr. P. Chandrasekar	Assistant Professor	Best Teacher Award
2019	Mr.A.R.Vimal Raj	Asst.Professor	Appreciation Certificate (Puducherry Govt) (March)
2019	Mr. Edward Kennedy	Asst.Professor	Appreciation For Wall Painting at Metropolitan Transport Corporation, Tondiarpet
2019	Mrs. N. Nazini	Asst.Professor& HoD	Article Published In Chellame (Parenting Magazine)

Year of Award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Praveena Raman	Senior Lecturer	Palliative Care Physician: Completed 6 weeks certified course in Pain and Palliative Medicine (CCPPM). Trivandrum Institute of Palliative Sciences (TIPS). An Organ of Pallium India. WHO collaborating center for training and policy on access to pain relief
2019	Dr. S. Rajkumari	Senior Lecturer	Young Researcher Award
2019	Dr. KhadijahMohideen	Reader	Young Achiever Award
2019	Dr.A.Porselvi	Asst.Prof	Outstanding scientist, ARUNAI International researchers connect and awards 2019
2019	Mr.Krishnamanikumar	Scientist	Excellence - Best Poster AwardNational Taiwan University, Taiwan
2019	Dr.Madan Kumar	Scientist	Senior Post Doctoral Fellow, National Institute of Health
2019	Dr.J.Theerthagiri	Scientist	Korean Research Fellowship (KRF)National Research Federation of Korea
2019	Dr.Maharshi Bhaswant C	Scientist	SCOPE Scholarship -
2019	Dr.Maharshi Bhaswant C	Scientist	SCOPE Scholarship
2019	Dr.Maharshi Bhaswant C	Scientist	Young Indian Biomedical Scientists ICMR-DHR
2019	Dr.Swarnalatha	Professor	Outstanding Contribution AICTE & IIT Bombay
2019	Mr.Sanjeevi Prasath	Scientist	Visiting Doctoral Programme Swedish Research Council
2019	Dr.Prakash S	Professor	The crustacean society, Mid-Year Meeting The Crustacean Society - ITS, DST-SERB
2019	Mr.Arun Govind	Scientist	TechExpo-InnovationIIT Guwahati
2019	Dr. J. Karthikeyan	Asso. Prof	Erasmus Plus Programme European Union
2019	Dr. Kishore Sonti	Asso. Prof	Erasmus Plus Programme European Union
2019	Mr.S.Manigandan	Asst Prof	Research Internship Programme Ministry of Education, Taiwan
2019	Mr.Kaja Bantha Nawas	Asst Prof	Global Engineer Leadership NTHU, Taiwan
2019	Dr.T.Sasipraba	Pro VC	AICTE UKIERI
2019	Mr.Kaja Bantha Nawas	Asst Prof	AICTE UKIERI
2019	Dr.S.Prakash	Professor	AICTE UKIERI (UK- India Education and Research Initiative) Technical Leadership Development Program AICTE
Nov-18	Dr.S.MercyGnana Gandhi	Professor	TEFL(Teaching English as a Foreign Language) by TEFL UK & Thailand
Mar-19	Dr.S. MercyGnana Gandhi	Professor	TESOL- (Teaching English to the Speakers of Other Languages) by TESOL-CANADA
2018	Dr.M.Sundareswari	Professor & Dean/ School of S & H	Fellow of "The Academy of Sciences" Chennai towards contribution for the advancement of sciences.
2019	Dr. S.D. Sundarsingh Jebaseelan	Associate Professor	Excellence in advancement of Electrical engineering Research by Singapore management university
2019	Dr.G.Arunkumar	Professor and Head	Distinguished Leader in Engineering (Venus International Foundation, Chennai) (National Level)- HELM-19

9 RESEARCH

The Institution has a provision in place for providing Seed money for facilitating research and the conversion of innovative research and development ideas into products and services. Students are provided access to all the research facilities in the Research Centres and encouraged to do the internships in the Centres. Research committees are formed, which regularly meet to discuss about the latest developments across the world in research. Such initiatives have facilitated the prevalence of research climate in the Institution. The outcome of the research activities is propagated to the society and industry by way of publications, seminars, workshops and, symposiums.

9.1 – RESEARCH FUNDS SANCTIONED AND RECEIVED FROM VARIOUS AGENCIES, INDUSTRY AND OTHER ORGANIZATIONS

Name of the funding agency	Duration	Total grant sanctioned(Rupees in Lakhs)	Amount received during the year (Rupees in Lakhs)
Unnat Bharat Abhiyan, All India Council of Technology Education, Government of	1 year	100000	100000
TBI, DST	1 year	40000	40000
TBI, DST	1 year	60000	60000
DST FIST	21900	22	0
UBA-MHRD	180	0.5	0
Jeppiaar Milk	365	0.65	0
TBI	365	0.3	0
TBI	365	0.45	0
TBI	365	0.885	0
TBI	365	0.7493	0
DST	3 years	54.75 Lakhs	0
SIST	1 year	30,000	30,000
DRDO-LSRB	3 years	35,57,730	0
ISRO	1year	8.87	8.87
ISRO	365	8.87	8.87
UBA-MHRD	1 Year	50,000	50,000
DBT, Govt. of India, New Delhi	Three Years	28,31,800/-	10,05,000/-
MoES, Govt. of India, New Delhi	Three Years	75,25,368/-	46,29,430/-
MoES, Govt. of India, New Delhi	Three Years	61,49,693/-	46,69,340/-
MoES, Govt. of India, New Delhi	Three Years	53,14,333/-	37,97,370/-

Name of the funding agency	Duration	Total grant sanctioned(Rupees in Lakhs)	Amount received during the year (Rupees in Lakhs)
MoES, Govt. of India, New Delhi	Three Years	52,72,383/-	32,27,190/-
MoES, Govt. of India, New Delhi	Three Years	54,43,963/-	34,19,690/-
MoES, Govt. of India, New Delhi	Three Years	34,52,760/-	14,14,880/-
MoES-ESTC, Govt. of India, New Delhi	Three Years	15,06,000/-	5,02,000/-
ICAR-NICRA, Govt. of India, Hyderabad	Four Year	36,50,000/-	2,75,000/-
MoES	2019-2022	40,05,392	16,24,816
ISRO	2017-2020	1987000	5,61,000
HRDG CSIR	2017-2020	2689400	1198000
MoES	2019-2022	367000	2100000
WTI	2018	103434	401220
DST, Govt. of India, New Delhi	Two Years	18,48,000/-	-
INSA-JSPS Young Researcher Fellowship	Six Months	1,00,000/-	90,000/-
(SRF) CSIR, Govt. of India, New Delhi	Two Years	10,41,600/-	2,60,400/-
(SRF) ICMR, Govt. of India, New Delhi	Two Years	10,86,116/-	7,71,458/-
(NPDF) DST-SERB, Govt. of India, New Delhi	Two Years	19,20,000/-	9,08,730/-
VSSC, ISRO	2yrs	1492000	776000
DST-SERB	3yrs	4343020	2771000
DST-OVDF, Indo-US	1 yr	2000000	1692637
DBT-RA	3yrs	1500000	590800
ICMR	2yrs	1752000	290800
DST-SERB	3yrs	3700000	1861900
DST-SERB	3yrs	2995000	1380000
DST-SERB	3yrs	3750000	1885950
DST-SERB	3yrs	5482540	3386600
SPARC, MHRD	3yrs	3959040	-
LSRB-DRDO	3yrs	3237070	968500
IPRC, ISRO	2yrs	1947000	1147000
LPSC, ISRO	2yrs	1934000	1061000
VSSC, ISRO	2yrs	1849000	-
UBA	1yr	100000	50000
UBA	1yr	100000	50000

Name of the funding agency	Duration	Total grant sanctioned(Rupees in Lakhs)	Amount received during the year (Rupees in Lakhs)
DST – (RTF-DCS)	6 Months	283333	283333
LPSC, ISRO	1yr	887000	887000
GTRE-DRDO	1.5yrs	960000	-
Development of GPS guided Robot by ATMEGA 128	1 Year	0.3	0.3
DST	3	25	11
IMPRESS - MHRD	2	9	0
Unnat Bharath Abhiyan – UBA- MHRD	1	1	1
Sathyabama Institute of Science and Technology	1 Year	1.2	1.2
Sathyabama Institute of Science and Technology	1 Year	0.627	0.627
Sathyabama Institute of Science and Technology	6 months	0.54	0.54
Sathyabama Institute of Science and Technology	1 Year	0.6	0.6
Sathyabama Institute of Science and Technology	6 months	1.5	1.5
ISRO	3 Years	19.45 Lakhs	10.61 Lakhs
Technology Business Incubator(TBI), NSTEDB – DST	One year	Rs 70,000	Rs 56,000
Technology Business Incubator(TBI), NSTEDB – DST	One year	Rs 60,000	Rs 48,000
(DST-SERB) Design, Numerical Experiments and Development of Compliant Automotive Devices – A Topology Optimization Approach	3 Years	Rs.47,00,000 Under second level of Evaluation	Rs.47,00,000 (Under Evaluation)
Sathyabama Institute of Science And Technology	3 Months	Rs.1,80,000	Rs.1,80,000
Sathyabama Institute of Science And Technology	1 Year	Rs.25,000	Rs.25,000
Indian Space Research Organization (ISRO)	2 Years	19.47	11.47

9.2 PATENTS PUBLISHED/AWARDED/APPLIED DURING THE YEAR

PATENT DETAILS	PATENT STATUS	PATENT NUMBER	DATE OF AWARD
CSE- Robot for Multi Identifying Spilled Hazardous Material on Floor	Granted	316673-001	11-04-2019
CSE- Robot for Identifying Spilled Hazardous Material on Floor	Granted	316673-002	11-04-2019
CSE- Device with Assisted Attendance Marking for Handicapped	Granted	316962-001	18-04-2019
CSE- Agriculture Drone with Pesticide Sprayer	Granted	316963-001	18-04-2019
CSE- Hand Gloves with Thermometer & Digital Display	Granted	317785-001	16-05-2019
CSE- Automatic Image Sensing and height adjustable sunglass Visor for vehicle	Granted	317786-001	16-05-2019

PATENT DETAILS	PATENT STATUS	PATENT NUMBER	DATE OF AWARD
CSE- Automated robot for precision farming with automated Rubber tapping machine	Published	201941014820	20-06-2019
CSE- Designing secure mobile based exam management system	Published	201941015227	20-06-2019
CSE- Navigation assistance using an umbrella	Filed	E-101/14075/ 2018-CHE	12-06-2018
IT-IoT Enabled Crop management Ssystem	Published	E-165/2019/CHE	25-01-2019
IT-An integrated health monitoring system for Bulk milk Cooler	provisionally Filed	E- 2/3837/2018/CHE	12-12-2018
IT-A Portable Camera Detector And Jammer Device	Completed Filed	E-2/784/2018/CHE	14-03-2018
Civil- An apparatus for trash collection with User Interface system	Published	201941024619	26/06/2019
EMG sensor based migraine therapy with relaxation technique and WSN monitoring	Filed	270	30-11-2018
Formulations of lyophilized beneficial microbes for enhanced plant growth in aquaponics system.	Filed	210941039726	03-09-2019
A Method For Increasing The Yield Of Edible Fungal Fruit-Body Biomass	Filed	201941005626	13-02-2019
Exit Gas Converter/15-01	Filed	316218-001	29-03-2019
Sustainable and Environmental Benign Bio-diesel	Filed	E-6/275/2018/CHE	02-06-2019
Iridium Based Alloy for Aerospace Applications has been filed with Indian Patent office, New Delhi, jointly in the name of Chairman, DRDO and Sathyabama University, Chennai.	Filed	20181104054	
Design and structural properties of Styrene-Ethylene-Butylenes-Styrene/polysulphide/epoxy composites reinforced with MoringaOleifera fiber for roofing system	Filed	E-2/3738/2017- CHE, CBR No: 372560	
Cost effective system for automatic unmanned level crossing system using self sustained power supply	Filed	201841036499	
Prepaid Customer Loyalty Card For Retailers	Published	201641031015A	23.2.2018
Cost Effective System For Automatic Unmanned Level Crossing System Using Self Sustained Power Energy	Filed	201841036499	27.9.2018
Seaweed Machine Industrial Design	Granted	304763	21.06.2018
Seaweed crushing Machine Industrial Design	Granted	313577-001	11.02.2019
Seaweed crushing Machine Industrial Design	Granted	313577-001	11.02.2019
A Method for Increasing the yield of edible fungal fruiting body biomass	Filed	201941005626	13.02.2019
Seaweed Crushing Machine (mech)	Granted	313577-001	02-01-2019
Semi Automatic Blood Group Identification Device (CSE)	Granted	313578-001	02-01-2019
Portable protractible shelter (Civil)	Granted	316668-001	11-04-2019
Vertically Expandable Home (Civil)	Filed	316668-002	11-04-2019
Solar Panel High Pressure Cleaner with recycle water (ELE)	Filed	316669-001	11-04-2019
High pressure cleaning device for solar panels (ELE)	Filed	316669-002	11-04-2019
Blood slides sterilization equipment (BIO)	Granted	316670-001	11-04-2019
Slide washing equipment (BIO)	Granted	316670-002	11-04-2019
Tunnel inspection device with camera (ELE)	Granted	316671-001	11-04-2019

PATENT DETAILS	PATENT STATUS	PATENT NUMBER	DATE OF AWARD
Lighting Device for Tunnel Construction Works (ELE)	Granted	316672-001	11-04-2019
Robot for Multi Identifying Spilled Hazardous Material on Floor(CSE)	Granted	316673-001	11-04-2019
Robot for Identifying Spilled Hazardous Material on Floor(CSE)	Granted	316673-002	11-04-2019
Desiccator (CIVIL)	Filed	316961-001	18-04-2019
Device with Assisted Attendance Marking for Handicapped(CSE)	Granted	316962-001	18-04-2019
Agriculture Drone with Pesticide Sprayer(CSE)	Granted	316963-001	18-04-2019
Helmet with Electronic Lock (ELE)	Filed	316967-001	18-04-2019
Inspection Panel for Examining Metal Properties (ELE)	Granted	316968-001	18-04-2019
Height Adjustable Hydraulic lifting Ambulance stretcher bed (MECH)	Granted	316969-001	18-04-2019
Transparent Candle Flame Protective Cover (ELE)	Granted	316970-001	18-04-2019
Examination Apparatus for Inspection of Metals (ELE)	Filed	316971-001	18-04-2019
Portable Hydraulic lifting work platform(MECH)	Granted	316972-001	18-04-2019
Electronic Helmet Lock for Two wheelers (Mech)	Filed	316972-002	18-04-2019
Foot Dryer for Washroom Doorways (MECH)	Granted	316973-001	18-04-2019
Temperature Sensing Device for Bio-fuels (BIO)	Granted	316976-001	18-04-2019
Food Testing Apparatus with Carbon Free Exhaust (BIO)	Granted	316976-002	18-04-2019
Fish Waste Cleaning Equipment (Bio)	Granted	316977-001	18-04-2019
Glassware Cleaning Apparatus for Laboratories (Bio)	Granted	316977-002	18-04-2019
Telescopic UV Insect Trap (BIO)	Granted	316978-001	18-04-2019
Float for Bacterial culture in sewage Treatment (Bio)	Filed	316979-001	18-04-2019
Laboratory reagent holder (Bio)	Granted	316980-001	18-04-2019
Smart Gloves (CSE)	Filed	316984-001	18-04-2019
Retractable Candle Holder (ELE)	Granted	316985-001	18-04-2019

9.3 RESEARCH PUBLICATIONS IN THE JOURNALS NOTIFIED ON UGC WEBSITE DURING THE YEAR

Department	No. of Publication	Average Impact Factor (if any)
Computer Science and Engineering	10	0.96
Computer Science and Engineering	69	1.363
IT	50	0.4
Architecture	1	0.14
Civil Engineering	7	0.5
Civil Engineering	29	0.25
Bioinformatics	8	0.56
Biomedical	20	1.75
Biotechnology	24	0.5

Department	No. of Publication	Average Impact Factor (if any)
Biotechnology	66	2
Chemical Engineering	15	2
Chemical Engineering	16	3.5
Chemistry	1	0.53
Chemistry	14	2.4
Physics	31	2.53
Mathematics	24	1.076
English	5	0.25
VisCom	5	0.26
School of Management Studies	62	0.5
Law	14	6.0176
Centre for Ocean Research	16	0.3
Centre for Ocean Research	48	1.5
Centre for Laboratory Animal Technology and Research	4	2.1
Centre for Laboratory Animal Technology and Research	5	-
Centre for earth & Atmospheric Sciences	1	
Centre for Remote Sensing and Geoinformatics	14	0.82
Centre for Remote Sensing and Geoinformatics	28	1.84
International Research Centre (IRC)	38	3.13
Electronics & Instrumentation	5	0.1
Electronics & Instrumentation	15	0.246
ECE	11	0
ECE	30	2.06
Electrical and Electronics Engineering	0	0
Electrical and Electronics Engineering	56	1.67
ETCE	28	0.62
Aeronautical Engineering	39	2.35
AUTOMOBILE ENGINEERING	48	2.828
Mechanical Engineering	4	0.25
Mechanical Engineering	62	1.02
Mechanical & Production Engineering, Mechatronics Engineering	0	-
Mechanical & Production Engineering, Mechatronics Engineering	54	-

9.4 REVENUE GENERATED FROM CONSULTANCY DURING THE YEAR

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Computer Science and Engineering	Professional Training	Wipro	480000
Computer Science and Engineering	Image Processing internship	IMD Systems	40000
Computer Science and Engineering	Web Designing	Guvi- Safe Start	100000
Computer Science and Engineering	Internship	SysApp	15000
Computer Science and Engineering	Web Designing	Different Hair Pvt Ltd	40000
Computer Science and Engineering	Drone Designing	Equinox Drones	90000
IT	Bulk Milk Cooler Monitoring System and transport system	Jeppiaar Milk	65000
IT	Hospital Connect	TBI&NSTEDB startup	45000
IT	Automated system for epilepsy seizure prediction	TBI&NSTEDBStartup	30000
IT	Mobile Application for Intra Operative Anaesthesia Record	SHIFA Hospital, Chennai	40000
IT	Invoice Processing using Machine Learning	Page Light Prime Solutions Pvt. Ltd.	300000
Centre for Laboratory Animal Technology and Research	Animal Experiment	IIT, Chennai	5,21,075/-
		National Institute of Siddha	
		SRM University	
		Dr. M.G.R University	
		Govt. Siddha Medical College	
		MAIMS, Melmaruvathur	
ECE	Energy Conservation using LED appliances	JS IP DESIGN	47000
Automobile Engineering	Crash Analysis Of Automotive Composite Bumper Using Ls Dyna Software	Institute of Industrial Design	Rs. 80,000
Department of Mechanical and Production Engineering	Modeling and Structural Analysis of Rubber Tires through Nano-Technology	Apollo Tires Ltd, Chennai.	Rs. 6,30,000/-
Department of Mechanical and Production Engineering	Executive Development Programme on Industrial Safety	IGP Group, Chennai	Rs.1,08,000

**10 EXTENSION AND OUTREACH PROGRAMMES CONDUCTED IN
COLLABORATION WITH INDUSTRY, COMMUNITY AND NON- GOVERNMENT
ORGANISATIONS**

Title of the activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
CSE- Greener Campus	NSS	2	50
CSE- Mass cleaning camp	NSS	7	45
CSE- Dental And Health Camp	NSS	5	40
CSE- Mannivakkam Village – School Visit	NSS	10	65
CSE- Awareness about Drug abuse and illicit Trafficking	NSS	2	39
CSE- Save Girl Child Rally Program	NSS	3	44
CSE- Mass Tree Plantation Drive Program	NSS	7	36
CSE- Voter Awareness Program Program	NSS	2	43
CSE- Road Safety Awareness Program	NSS	2	78
CSE- Dynamic Empowerment Program	Live Life Education	2	120
CSE- Blood Donation Camps	NCC	6	138
CSE- Anti-Tobacco campaign	NCC	2	30
CSE- Environment Awareness programs	NCC	2	50
CSE- Greener Campus	NSS	2	50
IT- Web Development	Metropolitan Transport Corporation	5	10
ECE - International yoga day	Sathyabama NSS	2	100
Blood donation	Sathyabama NSS and YRC	6	50
ECE - Village adaption survey camp(8days)	UBA-MHRD	6	15
ECE - Nation confernce (youth voluteering)	SRM Institute of Science and Technology	3	27
ECE - Disaster mangment by YRC	YRC	6	50
ECE - Dental camp&Health camp	Sathyabama Dental and General Hospital	2	35
ECE - Swachh bharat campaign	Sathyabama NSS	6	15
ECE - Gaja cyclone relief fund Camp at cuddalore	Sathyabama	4	12
ECE - Literacy camping	Sathyabama	2	20
ECE - NSS orientation Program	Sathyabama	6	50
ECE - Voters Id rally	Tamil nadu state election commission	1	25
ECE - Mass tree plantation	Sathyabama and Thuvakkam NGO	6	20
ECE - Road traffic awareness	Sathyabama and chennai city traffic police	4	35
ECE - NSS-Special camp	Sathyabama NSS	4	15

Title of the activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
ECE - NSS motivational class	Sathyabama NSS	4	25
ECE - Traffic awareness	Sathyabama NSS	3	35
ECE - First Aid Lecture	Sathyabama NCC	3	10
ECE - Dental Awareness and Screening Programme	Sathyabama NCC	3	35
ECE - Fire-Fighting Demo & Theory class	Sathyabama NCC	3	27
ECE - Independence Day	Sathyabama NCC	3	15
ECE - Swachhta Hi Sewa - Talk / Speech	Sathyabama NCC	3	35
ECE - Swachhta Hi Sewa - Segregation of waste	Sathyabama NCC	3	10
ECE - Swachhta Hi Sewa - Cleaning of Streets - Adopted Villages	Sathyabama NCC	3	20
ECE - State Level (IGC) & National Level Competition (AIVSC)	Sathyabama NCC	3	15
ECE - Republic Day Celebration	Sathyabama NCC	3	40
ECE - World Water Day	Sathyabama NCC	3	17
(ETCE) School Visit	Community Development Club	1	14
(ETCE) Blood Donation	Rotary Club	1	1
(ETCE) Village Ticket	Sathyabama	5	1
Blood donation camp	NSS	1	50
Tree plantation	NSS	1	30
Road safety and first aid campaign	NSS	1	30
Blood Donation camp	NSS	1	20
Tree Plantation	NSS	1	20
Road Safety and First Aid Campaign	NSS	1	20
Blood Donation Camp	NSS& YRC	2	20
Drug Abuse and Illicit Trafficking	SIST/NSS/NCC	2	8
First Aid Lecture	SIST/NSS/NCC	1	5
Fire-Fighting Demo & Theory class	SIST/NSS/NCC	1	2
Blood Donation	SIST/NSS/NCC	2	10
Road Safety Week	SIST/NSS/NCC	1	10

11 COLLABORATIVE ACTIVITIES

11.1 MOUs

11.1. INTERNATIONAL UNIVERSITIES 2018 – 2019

File S.No	Name of the Organisation/University	Signed On
1.	University of Miskolc, Hungary	23/05/2018
2.	Nisantasi University, Turkey	30/05/2018
3.	Atilim University, Turkey	30/05/2018
4.	Istanbul Aydin University, Turkey	31/05/2018
5.	Altinbas University, Turkey	31/05/2018
6.	Siberian Federal University, Russia	01/07/2018
7.	Universidade Paulista – UNIP, Brasil	10/07/2018
8.	Oakland University, Michigan	10/07/2018
9.	The American University in Cairo, Egypt	11/07/2018
10.	BINUS University, Indonesia <ul style="list-style-type: none">• MOU• Faculty Exchange Agreement	25/07/2018 12/10/2020
11.	The Board of Governors of Grant MacEwan University, Canada	30/07/2018
12.	East University, North Cyprus	06/08/2018
13.	Trisakti Institute of Transportation and Logistics, Indonesia	08/08/2018
14.	Universitas Borobudur, Indonesia	08/08/2018
15.	Universitas Yarsi, Indonesia	08/08/2018
16.	Universitas Darma Persada, Indonesia	08/08/2018
17.	Sekolah Tinggi Ekonomi Nasional Indonesia	08/08/2018
18.	Kusuma Negara Business School, Indonesia	08/08/2018
19.	Sekolah Tinggi Teknologi Indonesia	08/08/2018
20.	Universitas Dirgantara Marsekal Suryadarma, Indonesia	08/08/2018
21.	STIE Pariwisata Internasional, Indonesia	08/08/2018

File S.No	Name of the Organisation/University	Signed On
22.	Universitas Budi Luhur, Indonesia	08/08/2018
23.	Institut Sains dan Teknologi Pradita, Indonesia	08/08/2018
24.	Istanbul Ayvansaray University, Turkey	16/08/2018
25.	University of Derby, England	06/09/2018
26.	SIIRT University, Turkey	13/09/2018
27.	University of Huddersfield, UK	02/10/2018
28.	Swinburne University of Technology, Australia	08/10/2018
29.	Universiti Putra Malaysia, Malaysia	09/10/2018
30.	Eastern Mediterranean University, North Cyprus	24/10/2018
31.	ISEN YNCREA MEDITERRANEE, France	24/10/2018
32.	Wszecznicna Polska University in Warsaw, Poland	28/10/2018
33.	Hasan Kalyoncu University, Turkey	31/10/2018
34.	Cukurova University, Turkey	09/11/2018
35.	University Technology Malaysia, Malaysia	07/11/2018
36.	University of Jaen, Spain	19/11/2018
37.	Istanbul Okan University, Turkey	26/11/2018
38.	National Taichung University of Education, Taiwan	11/12/2018
39.	The University of Florence, Italy	11/12/2018
40.	Jiujiang University, China	18/12/2018
41.	South Ural State University, Russia	18/12/2018
42.	Muscat College, Oman	12/12/2018
43.	Daffodil International University, Bangladesh	20/01/2019
44.	Tzu Chi University, Taiwan	22/01/2019
45.	Wyzsza Szkola Handu i Usług w Poznaniu, Poland	31/01/2019
46.	Nottingham Trent University, England • MOU & Progression Agreement	15/02/2019

File S.No	Name of the Organisation/University	Signed On
47.	National Dong Hwa University, Taiwan	18/02/2019
48.	MAHSA University, Malaysia	15/04/2019
49.	University of Miskolc, Hungary	23/05/2018

11.1.2 NATIONAL INDUSTRIES 2018 – 2019

File S.No	Name of the Industry	Signed On
1.	Airbus Group	13/06/2018
2.	Amazing Biotech Pvt. Ltd., Villupuram	10/07/2018
3.	Lifecell International Private Limited	27/07/2018
4.	Abrami Precision Works, Kancheepuram	30/07/2018
5.	India Pistons Ltd., Chennai	31/07/2018
6.	IGP Group of Companies, Chennai	31/07/2018
7.	Einnel Technologies	13/12/2018
8.	HCL Technologies Limited	18/01/2019
9.	TATTI, Chennai	22/01/2019

11.1.3 NATIONAL UNIVERSITIES 2018 – 2019

File S.No	Name of the University	Signed On
1.	Mizoram University	10/08/2018

11.2 FACULTY EXCHANGE PROGRAMME (OUTBOUND)

Sathyabama Institute of Science and Technology offers opportunity for Staff members to participate in the Faculty Exchange Programme with Foreign universities. The objective of this programme is to provide broader experience to faculty members by teaching in different environments and interacting with colleagues in various institutions.

Staff on their return to our University are expected to positively transfer their enhanced learning, resulting from the exposure to different cultures and work ethics, for the benefit of our University and Students.



11.3 FACULTY EXCHANGE PROGRAMME (INBOUND)

Professors from Universiti Teknologi Malaysia, Malaysia and University of Miscol, Hungary had visited our Institution on a faculty exchange programme in exchange of two of our faculty on a Teaching mobility for a period of Month. This exchange is a result of the Memorandum of Understanding signed the two Universities. This faculty exchange programme will provide a global exposure to the students of both the Universities.



11.4 STUDENT EXCHANGE PROGRAMME (INBOUND)

Students from overseas are allowed to undergo study for a period of one semester at Sathyabama Institute of Science and Technology. The Student from the foreign University will be assessed based on their performance at the end Semester examination after which they will earn their credit points and awarded with the grade.



11.5 STUDENT EXCHANGE PROGRAMME (OUTBOUND)

To provide International learning experience our students are provided opportunity to study one semester in foreign Universities. Students are sent on Semester Abroad Programmes (SAP) to our partnering universities across the world where they can study 4-6 subjects. The credits they earn at the foreign University are recognized, transferred and considered for the award of degree. Students can also enroll for additional subjects and other language subjects at the foreign University and earn extra credits which are accounted.



11.6 VISITING INTERNATIONAL PROFESSORS

We invite Professors working in Universities abroad to come and work at our Institution as Visiting International professors for a period ranging from 4 weeks to 12 weeks. This provides an opportunity for our students to interact with international professors and get a global teaching experience right in their classrooms. Certified workshops, short term Programmes, Seminars are organised by these Visiting International Professors for our students and faculty.



12 NUMBER OF COLLABORATIVE ACTIVITIES FOR RESEARCH, FACULTY EXCHANGE, STUDENT EXCHANGE DURING THE YEAR

NATURE OF ACTIVITY	PARTICIPANT	SOURCE OF FINANCIAL SUPPORT	DURATION
CSE- Internship, University of Texas Dallas	Mr. Joshua Rodrigues	Sathyabama Institute of Science & Technology	30
CSE- Internship, University of Texas Dallas	Mr. Nachketh Raju	Sathyabama Institute of Science & Technology	30
CSE- Student Exchange, Asia Pasific University	Mr. Golconda Sunil	Sathyabama Institute of Science & Technology	90
CSE- Student Exchange, Asia Pasific University	Mr. Gajrapu Sathya Shrvanth	Sathyabama Institute of Science & Technology	90
CSE- Faculty Exchange, Daffodil International University, Bangladeesh	Dr.Mathivanan, Dr.Jesudoss	Sathyabama Institute of Science & Technology	7
CSE- Faculty Exchange, University of Mendoza, Argentina	Dr.S.Murugan and MrR.Sethuraman	Sathyabama Institute of Science & Technology	14
IT - Faculty Exchange Program	Dr.R.Subhashini	Nottingham Trent University and SIST	8
IT - Faculty Exchange Program	Dr.Y.BevishJinila	Nottingham Trent University and SIST	8
IT - Faculty Exchange Program	Dr.G.Mathivanan	Sathyabama Institute of Science and Technology	8
IT - Student Exchange Program	Arjun V	self	150
IT - Student Exchange Program	Murtaza M	self	60
IT - Student Exchange Program	Syed AarifSuhaibQadri	self	60
Electronics & Instrumentation - Faculty Exchange	D.Jamuna Rani	Sathyabama Institute of Science and Technology	177
Electronics & Instrumentation - Faculty Exchange	J.Adeline Sneha	Sathyabama Institute of Science and Technology	177
ECE - Research Internship Programme, Universiti Teknologi Malaysia, Malaysia	Mr.N.Mathan	Sathyabama	177 Days
Research Intenship, Taiwan	Mr.ManiKandan	Sathyabama	90
Summer Research School, National Tsing Hua University, Taiwan	Mr. R. Kaja Bantha Navas	Global Engineer Leadership Scholarship	90
Student Exchange (University of Craiova, Romania)	Mr.Devanathan	Self Sponsored	110
Student Exchange (University of Craiova, Romania)	Mr.Nandhakumar	Self Sponsored	210
Collaborative research	Dr.V.K.Bupesh Raja	Sathyabama Institute of Science and Technology	365
Semester abroad Programme	1 student	Self	90
Research Internship (Germany)	4 students	Self	20

Our Sincere Thanks to.....

- 1. Ever supporting management**
- 2. Highly committed Faculty and staff**
- 3. Enthusiastic students.**
- 4. Funding Organisations at National and International level**
- 5. Supportive Partners and Collaborators at National and International level.**
- 6. Media and Publishers**