

# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)

## ANNUAL REPORT 2018 - 2019

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MAY 31, 2019

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SATHYABAMA IEEE STUDENT BRANCH

Branch Code - 36301



*Advancing Technology  
for Humanity*

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# Preface

This annual report is the collective data of events and activities in the academic year 2018-2019 conducted by IEEE Student Branch, Sathyabama Institute of Science and Technology. The motive of student branch is to explore the technical knowledge among students and thereby to cater the needs to our society. It is believed that the ideas and knowledge sharing in the event and activities will pave the way to serve the society. This report is prepared to provide true information about the activities collectively.

Branch Counsellor

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## About IEEE

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow through its more than 423,000 members in over 160 countries, and its highly cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted "voice" for engineering, computing, and technology information around the globe.

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## About SATHYABAMA IEEE SB

The inception of the IEEE Student Branch (IEEE SB) of Sathyabama Institute of Science and Technology (Deemed to be University) was in the month of September 1991. Throughout the years, it is an active and vibrant branch. Every year the branch is added up with active student members who play a major role in building up the branch and keeping it active. The branch was started with 21 members and at the end of 1999 it had 375 members. As an add-on, the branch is awarded as the 5th largest branch in the world, 2nd largest in the Asia Pacific region and again received largest membership in the year 2012 and 2013. In addition, the branch has received certificate of appreciation for organizing activities towards advancement of IEEE and Engineering professions. IEEE student branch consistently organizes technical events like workshops, hands-on training and special lectures in cutting-edge technologies. Students expand their knowledge by attending these events of advanced technologies. Also, the student branch hosts a National Level Technical Symposium "SILICON" every year; as a platform for students to showcase their leadership and technical skills.

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## **Vision**

- To enable, empower and energize the student members to enhance their technological interests and motivate them to excel in technical skills
- To provide a platform for student members to improve them in various managerial and technical qualities

## **Mission**

- To create an awareness among students about benefits of IEEE
- To organize technical awareness programmes
- To organize skill development programmes
- To form technical groups and motivate the student members to develop projects useful for the community
- To organize regular events like workshops, technical symposiums and contests
- To encourage student members to achieve more awards sponsored by IEEE

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# **IEEE SB Executive Committee 2018 - 2019**

## **Selection Procedure and Guidelines**

IEEE SB Executive Committee Selection Interview circular for the academic year 2018-2019 was sent on 3.6.2018 to all the third-year students of School of Computing (CSE and IT) and School of Electrical and Electronics Engineering (ECE, EEE and E&I) through Deans of schools/ Heads of the Departments/ Class Counsellors. The interested students were asked to register with their basic information and biodata on or before 20.6.2018. Nearly 127 registered candidates were called for the direct interview on 24.6.2018 and 25.6.2018. Almost 53 students were shortlisted based on their skill sets and interests from the Direct interview that was conducted by a group of panel members (IEEE SB counsellor and staff coordinators). The evaluation report was made based on student's elegance, perspective, communication, interactive and leadership skills. 11 students were finally selected from the direct interview based on the evaluation report for the academic year 2018-2019. This executive committee will be active till the end of the academic year 2018-19.

# Executive Committee

<b>S. No.</b>	<b>Name</b>	<b>Dept.</b>	<b>Position</b>
1	KOSARAJU NAREN KUMAR	CSE	Chairman
2	DEBANJALEE ROY	EEE	Vice Chairman
3	N. SIBA PRASAD CHOUDHURY	EIE	Secretary
4	SWAMIM SAIKIA	ETCE	Design Committee
5	NIKHIL PRAKASH PATIL	EIE	Member Welfare
6	DIKSHYA DAS	ETCE	Publicity Committee
7	SATYA PHALANI KRISHNA REDDY KOVVURI	ECE	Treasurer
8	E. SAIKRUSHEEL	ECE	Section Coordinator
9	JAISHREE V	EEE	Program Committee
10	GAUTHAM SHEKAR	IT	Webmaster
11	KAMINI XAVIA S	ECE	Registration & Hospitality



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## **IEEE SB Activities**

The new executive committee members took over the responsibilities on 28.7.2019. IEEE SB regularly meets fortnightly with executive committee, staff coordinators and branch counsellor. Meetings were conducted with the agenda of conducting IEEE awareness programs to first year to third year students of School of Computing and School of Electrical and Electronics in the month of June and July to enhance the membership development. The idea was to organize the activities to develop the technical skills of students. The activities like workshops and technical talks by experts were conducted frequently. Also, the annual national level technical symposium SILICON 2K19 was organized on March 2019, which involves Paper Presentations, Quiz etc. The details of the activities were given below.

## **IEEE - INDUCTION PROGRAMME**

The Induction program for the new executive committee members was held on 18 July 2018. Sathyabama Student Branch Counsellor, Dr.M.S.Godwin Premi introduced the new members with a warm welcome note. The new executive committee members were fed with the knowledge about the various activities which were held in the previous academic year by the staff coordinators which would be helpful for them to conduct activities in the current academic year.. The orientation program ended with an agenda as to increase the membership count of the SB as well as to increase the activity profile of the SB. The new members prepared a tentative event schedule and it was submitted for approval.

## **IEEE - AWARENESS PROGRAMME**

An awareness program on IEEE Societies and Chapters was conducted on 19th Sep 2018 for the first-year students of various Engineering branches. The main motive of this awareness program was to introduce the IEEE professional society and its benefits to the freshers who had joined the undergraduate courses .Dr. M. S. Godwin Premi, Branch counsellor, Ms. Debanjalee, Vice Chairman, Mr. Siba Prasad Chowdhury, Secretary, IEEE Student Branch of Sathyabama Institute of Science and Technology, explained the various benefits of joining the IEEE. The academic and carrier opportunities associated with the IEEE professional society was highlighted in this event. Around 200 participants attended this event and this event had kindled lot of interest which was witnessed by the high number of participations of other events organised after this event by the first years. Membership enquiry was also seen a drastic increase from the freshers.

Mr.Aravindan, Development Associate, Teach India-Chennai, had conducted an awareness program on 9<sup>th</sup> March 2019. Around 50 plus participants were present for this event. Various benefits of being an IEEE member such as networking with other technology professionals, creating a professional profile highlighting your accomplishments, joining and participating in discussions on various technical interests' groups, Creating our own area of interest group to share and collaborate on various research works, Academic activities, Discovering IEEE events and activities happening throughout the world. The Executive members and some senior student members also spoke about their benefits which they got after joining IEEE. The speaker motivated the second year CSE, ECE, IT,EEE and EIE branch students into joining IEEE family so that it helps in their academic growth. The event ended with the vote of thanks given by Mr. N. SIBA PRASAD – Secretary- IEEE/SB Sathyabama Institute of Science and Technology.



## TECH TALK ON BLOCK CHAIN

A technical talk on the topic “BLOCK CHAIN” was held on 14th August 2018. The Tech Talk was given by Mr. Teja. The audience for this event were the students from the Schools of Computing and Electrical & Electronics Engineering. The lecture highlighted the fundamental concepts of Block Chain technology. Where and how Block chain can be used was deliberated in this event. Sathyabama Student Branch counsellor and staff coordinators were present in this event along with the executive committee members. The event ended with the vote of thanks by the Chairman of the Student branch Mr. Naren Kumar of CSE.



## WORKSHOP ON CIRCUIT ILLUMINATION USING DIALUX

A workshop on Circuit Illumination using DIALux has been conducted by the IEEE student branch of Sathyabama Institute of Science and Technology in association with IEEE Madras Section on 27th and 28th of August, 2018. The workshop has been



conducted by the POWER PROJECTS TRAINING AND TECHNOLOGY consultants. The registration fee set for the workshop was Rs.600 /-for



IEEE members and Rs.700/- for Non-IEEE members. The workshop highlighted the scope of Design Engineers in various sectors of the concerned field were using the DIALux software the intensity, luminosity of light can be calculated and therefore

effective lighting of Streets, Rooms, offices etc can be done. The workshop attracted a lot of students from the Electrical Branch comprising of EEE, E&I, ECE, ETC departments mainly.



The count went up to total 36 registrations from the respective departments. At the end of the workshop certificates were awarded. On completion of workshop a student from ECE 2nd year named Ankit Tiwari was gifted a Backpack bag with the company's name by the organisers. The event was conducted successfully with huge cooperation from the students who participated and also with the support of the student volunteers.

## WORKSHOP ON IOT BASED ESP PERIPHERALS INTERFACING

A Hands-on workshop on “IOT based ESP Peripherals Interfacing” has been conducted by the IEEE student branch of Sathyabama Institute of Science and Technology in association with IEEE Madras Section on 30<sup>th</sup> and 31<sup>st</sup> of August, 2018. The workshop has been conducted by the Triflorum Institute of Advance Engineering Private Limited, Chennai. The workshop highlighted the scope of IOT based interfacing in Embedded system Industry. The workshop was attended by 50 students from the School of



Electronics comprising of EEE, E&I, ECE, ETCE departments mainly including the executive committee members. At the end of the workshop participation certificates were awarded. The event was conducted successfully with the support of participants.

## SILICON 2K19



The poster for SILICON 2K19, a National Level Technical Symposium, is organized by Sathyabama Institute of Science and Technology (Deemed to be University) in association with the IEEE Madras Section. The event is scheduled for March 14 and 15, 2019. The poster features the Sathyabama and IEEE logos, a central graphic with the text 'PRIZES WORTH ₹ 50,000', and a list of activities including IDEATE, CIRCUIT MANIA, PROJECT EXPO, CREATE AND INNOVATE, SOCCER LEAGUE, RC RACING, BUGS BUNNY, and ONE PIECE. It also provides contact information for the convener, staff coordinators, registration contact, and student coordinators.

**SATHYABAMA**  
INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)  
Accredited with Grade "A" by NAAC

**IEEE**

**MAR 14 & MAR 15 2019**

In Association With IEEE Madras Section  
**SILICON 2K19**  
A National Level Technical Symposium

**REGISTRATION FEE:**  
IEEE Member: ₹200  
Non-IEEE Member: ₹300

**PRIZES WORTH ₹ 50,000**

**ACTIVITIES:** IDEATE, CIRCUIT MANIA, PROJECT EXPO, CREATE AND INNOVATE, SOCCER LEAGUE, RC RACING, BUGS BUNNY, ONE PIECE

**CONVENER**  
Dr. M.S.Godwin Premi  
IEEE Student Branch Counsellor

**STAFF COORDINATORS**  
Dr. Y. Bevish Jinila  
Mr. N. Mathan  
Mr. V. Vedanarayanan

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IEEE students branch of Sathyabama Institute of Science and Technology every year conducts a symposium in the month of September named SILICON. A two days event SILICON comprises of various technical events like Paper presentation, Circuit Debugging, Technical Quiz, Coding, Block and Tackle, Jam etc. Silicon'2K19 is the event conducted for the academic year 2018-19. Silicon'19 was conducted in the month of March due to heavy academic activities and Monsoon related issues in fall semester of 2018. This national level symposium was held on 14<sup>th</sup> and 15<sup>th</sup> March 2019. Project Exhibition was held on 15<sup>th</sup> March 2019. Paper presentation was judged by Dr.K.Sujatha, Head, Dept. of EIE. Dr. Sugadev, Assistant Professor of ECE and Dr. Vijaya Baskar, Head, Department of ETCE were

the panel judges. Technical Quiz, Coding contest and Circuit debugging was held on 14th March.

Students from CSE, IT, ECE, EEE, ETC, EIE, Bio Medical, Mech participated in this event. Students from various Engineering colleges and universities also participated in these two days event. Top two Winners for each event were selected and cash prizes along with certificates were awarded at the validatory function by Dr.N.M.Nandhitha, Dean, School of Electrical and Electronics on 15<sup>th</sup> March 2019.





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## Contact Us

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