

Department of Information Science and Engineering

Sai Vidya Institute of Technology

Rajanukunte, Bengaluru 560 064

PATRIKA

News Letter

(Aug 2018-July 2019)

Vision

**Architect DEDICATED and INTELLIGENT Information
Technology Engineers to address evolving
GLOBAL NEEDS**

Mission

**To provide quality education in information
science engineering by creating and nurturing
innovative and technologically steadfast learning
environment.**

**To inculcate moral ethics in students enabling
them to become socially committed professionals
with leadership qualities.**

Director's Message



I am glad to note that Department of Information Science and Engineering, SVIT is bringing out next edition of Department Newsletter "Patrika". I appreciate the enthusiasm of eminent members of the Department who have contributed to the Newsletter. Department newsletter definitely provides a platform to showcase the activities and achievements of the students and staff. This newsletter has recorded achievements and activities of Department of Information Science and Engineering such as: conferences attended by staff members and students, competitions won by students, innovative projects carried out by students with the guidance of staff, among others. I wish the students and staff of Department of Information Science and Engineering, all success.

- Prof. M R Holla

Additional Director's Message



In the capacity of mentor to department of Information Science and Engineering and Director (A) SVIT, I am delighted to present the newsletter of department of Information Science and Engineering. With core emphasize on academics, Department of Information Science and Engineering also motivates and nourishes students and staff members in co-curricular and extracurricular activates. The achievements and activities conducted in department are relevant and aligning towards achieving the vision of the department. I wish the fraternity of Department of ISE all the best and look forward for next issue of the newsletter in future.

- Prof. A M Padma Reddy

Principal's Message



I am extremely happy to know that the Department of ISE is bringing out newsletter “Patrika” for the academic year 2018-19 & this is an ongoing process portraying the various Departmental activities. It is great to find a considerable number of achievements in academic and non-academic activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring laurels to the institution. I wish that this number may grow in the years to come. My Congratulations to ISE team.

Dr. H S Ramesh Babu

HOD's Message



“Success and failures are just stepping stones in education, in the end knowledge stands as prime, leaving everything else immaterial”

I am very pleased to present the “Patrika”- newsletter of Information Science and Engineering Department, Sai Vidya Institute of Technology, Bengaluru. This new endeavour is the result of the efforts put in by a dedicated team of teachers and students. The “Patrika” offers a platform for showcasing our activities and sharing the journey of our department. I hope everyone will find this issue as exciting and interesting.

- Dr. Vrinda Shetty

News Letter Editors

Prof. Abhijith H V

Faculty

Dr. Vrinda Shetty

Professor and Head

Prof. Mary M D'souza

Assistant Professor

Prof. Madhuri M

Assistant Professor

Prof. Amogh P K

Assistant Professor

Prof. Harisha D S

Assistant Professor

Prof. Abhijith H V

Assistant Professor

Prof. Kusha K R

Assistant Professor

Prof. Sushma A

Assistant Professor

Prof. Mamatha G

Assistant Professor

Advisory Board Members

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Principal, SVIT

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HOD, Dept. of ISE, BMSIT

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Principle Architect, Del EMC²

Mr. Ashok Gowda

Software Consultant

Mr. Goutham R

Alumnae (2008-2012 Batch)

Ms. Poornima Hegde

Alumnae (2011-2014 Batch)

Events Conducted



One Day Hands-on workshop on “Network Simulator-2” was conducted for 5th Semester ISE students on 26th September 2018.

The main focus of this workshop is to train the students in the field of computer network by using the NS2 Simulator.



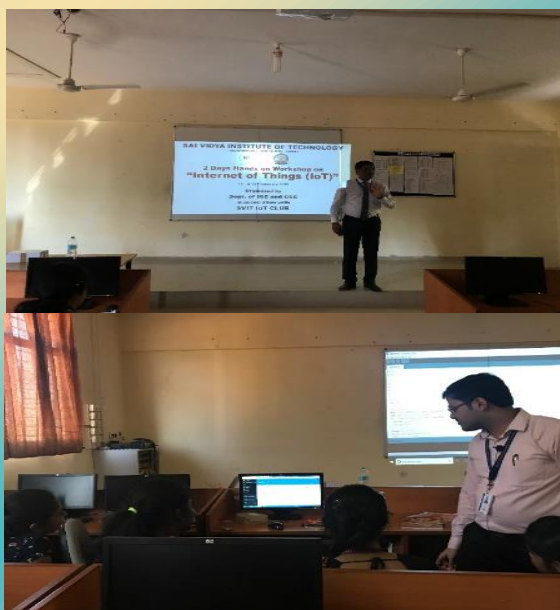
SVIT IoT Club was inaugurated on 29th September 2018. Mr. Pramod Kumar, Industry expert from SoC domain was the chief guest for the function. He stressed the importance of IoT in future. Also he delivered a technical talk on IoT and its applications.



Department Newsletter 'Patrika' was released on 29th September 2018. Mr. Pramod Kumar, Industry expert from SoC domain was the chief guest for the function.



Department Forum day "**Techmania**" was organized on 29th October 2018. It was one day technical event which consist of innovative and technical game. Events Like You Murderer, Search – It, Gaming, Blind Coding, Tech Quiz, Tech Dumb chards, Crossword Puzzle was conducted.



Two Day Workshop on "Internet of Things" was conducted for 6th Semester ISE students during 13th and 14th February 2019. The main focus of this workshop is to train the students in the field of Internet of Things through a practical approach using Arduino.



5-Day Workshop on “Object oriented Programming with C++” was conducted during 4th Feb 2019 to 8th Feb 2019.

There were both theory and lab sessions. Students were exposed to case studies which enhanced their programming skills. There was also Online Test at the end of the session



As a part of department forum activity and **Free Software Movement of Karnataka**, Every Monday students were trained in the latest Technology tools like MIT App Inventor, Web development, SSH, Docker. Group of technically skilled students are conducting these trainings.

Students Papers

Sl. No.	Name	USN	Title of the paper	Name of the Journal/ Conference	Date
1	Harish S K	1VA15IS011	Predictive analysis of students performance	2019 4 th IEEE international conference on recent trends on electronics, information, communication and technology.	17 th – 18 th may 2019
2	Shashank S	1VA15IS037			
3	Soman Panda	1VA15IS049			
4	Varun Raj	1VA15IS054			
5	Akilesh Bhat	1VA15IS002	An Autonomous Vision Based Robot	International journal of science and innovative engineering and technology.	May 2019
6	Suraksha A	1VA15IS050			
7	Swathi S	1VA15IS052			
8	Vibha S	1VA15IS056			
9	Shreenidi	1VA15IS045	A Novel Design and implementation of Crack Pattern analysis using Image Processing	International journal of advance research, ideas and innovations in technology.	May-June 2019
10	Vinushree .G P	1VA15IS057			
11	Sindhu.k	1VA15IS046			
12	Nithya G	1VA15IS029	Weed identification	1 st international conference on emerging trends in engineering, innovative science and management.	18 th may 2019
13	Keerthana S	1VA15IS018			
14	Goutham S	1VA15IS010			
15	Usha D V	1VA15IS061			
16	Sachin K	1VA15IS038	Offline signature verification for the assessment of neurodegenerative diseases	International journal of advance research, ideas and innovations in technology.	May – June 2019
17	Sandesh B V	1VA15IS040			
18	Sunil M Dsouza	1VA15IS060			
19	Shashank V P	1VA15IS044			

20	Ayushi Agrawal	1VA15IS006	Autonomous walking and guiding stick for the blind using echolocation and image processing	International journal of scientific research and review.	May 2019
21	Tina V	1VA15IS053			
22	Vaishnavi H R	1VA15IS055			
23	Navya T R	1VA15IS034			
24	Sanjay K G	1VA15IS041	The image analysis of bone fracture and brain tumor detection using image processing	International conference on latest advancement and future trends in engineering, science and management, sambhram institute of technology, Bangalore.	3 rd – 4 th may 2019
25	Jashwanth R	1VA15IS016			
26	Mahesh B S	1VA15IS023			
27	M B Alka	1VA15IS022	Smart city android traveller	International journal of engineering and science research.	May 2019
28	Nishchitha L S	1VA15IS020			
29	Anurag D	1VA15IS003	Augmented Reality for Enhanced Learning	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
30	Rajath Jagatap K	1VA15IS032			
31	Ritu Parajuli	1VA15IS035			
32	Sindhura	1VA15IS047			
33	Pramath J	1VA15IS030	Eye Movement based controlling of wheelchair	National level technical symposium organized by the department of information science and engineering, saphthagiri college of engineering, Bengaluru.	26 th april 2019
34	Nishant SM	1VA15IS028			
35	Karthik P	1VA15IS017			
36	Manish Sharma	1VA15IS024			
37	Arpita Dutta	1VA15IS005	Design of hierarchial Data aggregation mechanism for Under water sensor networks	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
38	Sushmitha K	1VA15IS051			
39	Lokesh C	1VA15IS021			
40	Shashank H P	1VA15IS043			

41	Ranjani Y S	1VA15IS033	An integrated IOT based home security automation through digital image processing and amazon web services	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
42	Sathya Pavithra	1VA15IS042			
43	Nethravathi	1VA15IS027			
44	Keethi M	1VA15IS019			
45	Prerna R C	1VA15IS031	Airport baggage system using android technology	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
46	Harshitha B V	1VA15IS013			
47	Neha S Bhat	1VA15IS026			
48	Roopashree G	1VA15IS036			
49	Meghana.Y.M	1VA15IS025	Gesture Technology for deaf and dumb	National conference on science, Engineering and management, the oxford college of engineering, bengaluru	8 th and 9 th may 2019
50	Varshini.B.S	1VA15IS058			
51	Samyukta umesh naik	1VA15IS039			
52	Anuvrunda	1VA14IS010			

Faculty Achievements

- Dr. Vrinda Shetty was selected for “BHARAT EXCELLENCE AWARD 2019”, awarded by Friendship Forum, New Delhi 110045.
- Dr. Vrinda Shetty was selected for “LEADING EDUCATIONIST OF INDIA AWARD-2019”, awarded by Friendship Forum, New Delhi 110045.
- Prof. Abhijith H V, got best paper award in National Conference on Cognitive Computing 2019, held during 26-27 April 2019 at Presidency University, Bengaluru.

Students Achievement

- 44 students have completed NPTEL Certification
- M B Alka of 8th Semester ISE won 3rd prize in VTU youth fest -2018 Debate competition.
- Karthik P, Pramath and Nishanth of 8th Semester ISE received a fund of Rs. 5500/- from KSCST for the project "Eye movement based controlling of wheelchair" under the guidance of Prof. Amogh P K

MOOC Certification Details

Sl.No	Faculty Name	No. of MOOC Courses
1	Prof. Mary M D'Souza	01
2	Prof. Abhijith H V	02
3	Prof. Mamatha G	01

Faculty Publication

Faculty Name	Title of Paper	Title of Conference/Journal	Date
Dr. Vrinda Shetty	Weed Identification	1 st international conference on emerging trends in engineering, innovative science and management.	18 th may 2019
	Gesture Technology for deaf and dumb	National conference on science, Engineering and management, the oxford college of engineering, bengaluru	8 th and 9 th may 2019
Prof. Abhijith H V	Predictive analysis of students performance	2019 4 th IEEE international conference on recent trends on electronics, information, communication and technology.	17 th – 18 th may 2019
	Design of hierarchial Data aggregation mechanism for Under water sensor networks	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019

	Intelligent Method using IoT to determine oil spill spread rate while avoiding data looping	National Conference on Cognitive Computing 2019	26-27 April 2019
	An IOT based system to prevent illegal cutting of trees	International Conference on Topical Transcends in Science Technology and Management 2018	Aug 17, 18, 2018
Prof. Mary M D'Souza	An Autonomous Vision Based Robot	International journal of science and innovative engineering and technology.	May 2019
	Autonomous walking and guiding stick for the blind using echolocation and image processing	International journal of scientific research and review.	May 2019
	Smart city android traveller	International journal of engineering and science research.	May 2019
Prof. Amogh P K	Augmented Reality for Enhanced Learning	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
	Eye Movement based controlling of wheelchair	National level technical symposium organized by the department of information science and engineering, sathagiri college of engineering, Bengaluru.	26 th april 2019

Prof. Sushma A	An integrated IOT based home security automation through digital image processing and amazon web services	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
	Airport baggage system using android technology	National conference on science, Engineering and management, the oxford college of engineering, Bengaluru.	8 th and 9 th may 2019
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