Department of Information Science and Engineering

Sai Vidya Institute of Technology

Rajanukunte, Bengaluru 560 064

PATRIKA
News Letter
(Aug 2020-July 2021)

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 2020-21 & 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

Webinars and Workshops Conducted in AY 2020- 21

SI No.	Event	Date and Time	Resource person	Photos
1	Webinar on "An Insight into Web Application Development"	1st August 2020 10:30AM – 12:00PM	Ms. Diksha, Senior Systems Engineer Infosys Ltd. Mr. Arun Tamarakar Senior Software Engineer, Unisys Corporation	
2	Webinar on "Machine Learning"	10th August 2020 10:00AM – 11:00 AM	Dr.Prabhuchandran K J, Ph.D from IISc in Reinforcement Learning, Postdoctoral at IISc as an Amazon-IISc Postdoctoral Scholar	
3	Webinar on "Robotic Process Automation"	15th Oct 2020 10.00 AM - 11.00 AM	Ankur Kumar Software Engineer, Tech Mahindra	
4	Webinar on "Trend in SAP"	3rd Nov 2020 11.30 am to 1.00 pm	Mr Satish V Manager, Capgemini	

5	Webinar on "Open Source"	9th Nov 2020 5.00pm to 6.00pm	1.Tushar Pandey 2.Harish Kumar	
6	Webinar on "Machine Learning Applications in Healthcare"	19th Nov 2020 11.30am to 12.30 pm	Dr. P Priyanga Associate Professor Dept. of CSE Global Academy of Technology, Bengaluru	
7	Webinar on "Overview of Machine Learning"	04th Dec 2020 11:00 AM – 01:00 PM	Kaustubh Shyama Sunder Senior Lead Software Engineer, Microsoft	
8	Workshop on "Web Application Development"	15th October 2020 to 19thOctober 2020 , 10.00am - 1.30pm	BinodAdhikari Full stack Development Infidata Technologies	
9	Workshop on "Network Simulator -2"	11 December 2020	Abhijith H V Assistant Professor, Dept. of ISE, SVIT Meghashri E M Assistant Professor, Dept. of CSE, SVIT	

10	Webinar on "Advanced Data Analysis with deep learning techniques"	9th June 2021	Aravind C S –Senior Researcher SBIC A* Singapore	
11	Webinar on ""Role of Handwriting Analysis in the Success of a Software Engineer"	14th June 2021	Gr. Pradeep Kirani Graphologist & Psychologist, Canada	
12	Webinar on "Institute to Industry"	19th July 2021	Mr. Arun Venkata Senior Industry Professional	
13	Webinar on "Careers in IT Industry Apart from Coding"	19 May 2021	Nikhil G Bhat Alumni SDE 1 at Springworks	
14	Workshop on "Object Oriented Programming with C++"	3rd May 2021 to 7th May 2021	Mr. Santosh Reddy P, Assistant Professor, Dept., of CSE, SVIT Mr. Abhijith Das, Assistant Professor, Dept., of ISE, SVIT	

MOOC Certification Details

SI No.	Faculty Name	No. of MOOC Courses
1	Prof. Abhijith H V	02
2	Prof. Santhosh Y N	02

No. of Students	6
No. of Certifications	22

Student Achievements

SI No.	Name of student	Achievements
1	ISHIKA NAVEEN	Runner-up in 'CAN YOU CORRECT ME' in 34th CSI Karnataka State Student Convention

Faculty Publication

Name of the author/s	Title of paper	Name of journal	Year of publication
Dr. Vrinda Shetty	Review on Cervical Cancer Screening Using Neural Network	Institute of Scholars (InSc), Available at SSRN: https://ssrn.com/abstract=3668895	2020
Dr. Komala C R	Junction Based Angular Routing in Vehicular Ad Hoc Networks (VANET)	2021 2nd International Conference for Emerging Technology (INCET), 2021, pp. 1-5, doi: 10.1109/INCET51464.2021.9456225.	2021
Abhijith H V	Secure Data Transmission Framework for Internet of Things based on Oil Spill Detection Application	International Journal of Advanced Computer Science and Applications(IJACSA), 12(5), 2021. http://dx.doi.org/10.14569/IJACSA.2021.0120523 (Web of Science and Scopus indexed)	2021
Abhijith H V	Intelligent Data Aggregation Framework for Resource Constrained Remote Internet of Things Applications	International Journal of Advanced Computer Science and Applications(IJACSA), 12(5), 2021. http://dx.doi.org/10.14569/IJACSA.2021.0120518 (Web of Science and Scopus indexed) Vol.12 Issue 5	2021
Prof. Mamatha G	Detection of Fake Online Reviews	International Journal of Research in Engineering, Science and Management	2020

Santosh Y N	Watch your Driving: A Driver Health Monitoring System using Raspberry Pi	International Journal of Research in Engineering and Science (IJRES)	2021
Santhosh Y N	Assistive Device for Deaf, Dumb and Blind	International Journal of Research in Engineering, Science and Management	2020
Vivek Bongale	NEW MACHINE LEARNING METHOD FOR IMAGE BASED DIAGNOSIS OF COVID-19	International Journal of Current Engineering And Scientific Research (IJCESR), VOLUME 8 ISSUE 6 (JUNE 2021)	2021

FDP Attended by Faculty

Sl. No.	Name of Teacher	Title of Program	Duration and date of attend
1	Dr. VRINDA SHETTY	Entrepreneurship and Innovation	12 days(22nd February to 6th March 2021)
		Online UHV refresher one	5 days(15th to 19th Feb 2021)
		Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(5th to 9th September 2020)
2	Dr. KOMALA C.R	Emerging trends in Data Analytics	5 days(10 to 14th May 2021)
		Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(5th to 9th September 2020)
3	ABHIJITH H V	NEP 2020: Leadership and Excellence"	5 days(13th to 17th July 2021)
		Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(19th to 23rd April 2021)
4	SANTOSH Y N	Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(12th to 16th July 2021)
		International online workshop on AI	5 days(7th to 11th April 2021)
5	VIVEK BONGALE	Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(2nd to 6th August 2021)
		International online workshop on AI	5 days(7th to 11th April 2021)
		Machine Learning and AI	6 days(28-12-2020 to 02-01-2021)
		Machine Learning	5 days(22 to 26th February 2021)
6	SMITHS S P	Emerging Trends in Computation	5 days(2nd to 6th August 2021)

		Universal Human Value on the theme "Inculcating Universal Values in Technical Education"	5 days(2nd to 6th August 2021)
7	ABHIJIT DAS	NEP 2020: Leadership and Excellence"	5 days(13th to 17th July 2021)

Details of Student Publications for the Academic year 2020-21

Sl. No.	USN	Name of the Student	Title of the paper	Name of the Journal/Conference	Publication details (Volume, Issue, Page number, Year) ISBN/ISSN	Guide
1	1VA17IS004	AISHWARYA HM	BONE TUMOUR DETECTION USING IMAGE PROCESSING	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET)	VOLUME8, ISSUE , JULY 2021 ISSN-2395-0096	MR. VIVEK BONGALE
	1VA17IS023	LEKHA SP				
	1VA17IS052	VANDANA CK				
	1VA17IS039	RUTHU RS				
2	1VA17IS005	AMRUTESH ARUN	DESIGN OF HIERARCHICAL DATA AGGREGATION FOR INTERNET OF UNDERWATER THINGS	INTERNATIONAL CONFERENCE ON "GLOBAL CONVERGENCE IN TECHNOLOGY, ENTREPRENEURSHIP, COMPUTING AND VALUE ENGINEERING: PRINCIPLES AND PRACTICES "(ICGCP—2021) HELD AT SPATHAGIRI COLLEGE OF ENGINEERING, BANGALORE	16TH AND 17TH JULY 2021	MR. ABHIJITH H V
	1VA17IS027	MRUNALINI MS				
	1VA17IS046	SHRUTHI N				
	1VA17IS051	TARUN ANAND				
3	1VA17IS008	ANUSHREE K	GENERATING E-TOKENS FOR	INTERNATIONAL CONFERENCE ON "GLOBAL		DR. VRINDA SHETTY

	1VA17IS020	K RACHANA	PUBLIC TRANSPORT	CONVERGENCE IN TECHNOLOGY, ENTREPRENEURSHIP, COMPUTING AND VALUE ENGINEERING: PRINCIPLES AND PRACTICES "(ICGCP—2021) HELD AT SPATHAGIRI COLLEGE OF ENGINEERING, BANGALORE	16TH AND 17TH JULY 2021	
	1VA17IS029	NANDANI KUMARI				
	1VA17IS055	VIDISHA SHARMA				
4	1VA17IS003	AISHWARYA G	OBJECT RECOGNITION AND LOCALIZING FOR VISUALLY IMPAIRED PEOPLE	INTERNATIONAL CONFERENCE ON "GLOBAL CONVERGENCE IN TECHNOLOGY, ENTREPRENEURSHIP, COMPUTING AND VALUE ENGINEERING: PRINCIPLES AND PRACTICES "(ICGCP—2021) HELD AT SPATHAGIRI COLLEGE OF ENGINEERING, BANGALORE	16TH AND 17TH JULY 2021	MR. SANTHOSH Y N
	1VA17IS032	NISHCHAL S				
	1VA17IS018	GORANTLA K VINAY				
	1VA17IS031	NIHARIKA S M				
5	1VA17IS016	CHINMAYEE	IOT ENABLED SMART HOME SYSTEM USING OWN PRIVATE SERVER	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET)	VOLUME 8, ISSUE 7 ISSN-2395-0056	MR. VIVEK BONGALE
	1VA17IS015	CHAITRA K R				
	1VA17IS003	POOJA G				
	1VA17IS048	SRI VIDYA				
6	1VA15IS034	RITISH H	REAL TIME DRIVER DROWSINESS DETECTION SYSTEM USING OPENCV	INTERNATIONAL JOURNAL FOR RESEARCH IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY (IJRASET)	VOLUME 9, ISSUE 6, JUNE 2021 ISSN-2321-9653;	MS. SMITHA S P
	1VA15IS009	MANU DK				
	1VA16IS055	SATHVIKSHETTY MK				
	1VA17IS022	KIRAN H P				
7	1VA17IS038	REETIK CHITRAGUPT	PLACE-QUE: WEB AND ANDRIOD BASED APPLICATION FOR CAREER PATH DEVELOPMENT OF THE STUDENT	INTERNATIONAL CONFERENCE ON "GLOBAL CONVERGENCE IN TECHNOLOGY, ENTREPRENEURSHIP, COMPUTING AND VALUE ENGINEERING: PRINCIPLES AND PRACTICES "(ICGCP—2021) HELD AT	16TH AND 17TH JULY 2021	MR. ABHIJITH H V
	1VA17IS030	NAVARATNA V HEGDE				
	1VA17IS019	HARSHITHA M				

	1VA17IS042	SAMRUDH G R		SPATHAGIRI COLLEGE OF ENGINEERING, BANGALORE		
8	1VA17IS021	K S SAIKUMAR REDDY	PREDICTION OF SURVIVAL OF POST THORACIC SURGERY	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET)	VOLUME 8, ISSUE 7,JULY 2021 E-ISSN: 2395-0056	MS. SMITHA S P
	1VA17IS012	BHANU PRAKASH RB				
	1VA16IS031	MUTHURAJU K				
	1VA14IS021	ABHISHEK RAJ				
9	1VA17IS036	PRIYANKA E	PREINDICATION OF STOCK PRICE USING PROLONGED PETITE-STRETCH MEMORY (PPSM) ALGORITHM	INTERNATIONAL CONFERENCE ON "GLOBAL CONVERGENCE IN TECHNOLOGY, ENTREPRENEURSHIP, COMPUTING AND VALUE ENGINEERING: PRINCIPLES AND PRACTICES "(ICGCP—2021) HELD AT SPATHAGIRI COLLEGE OF ENGINEERING, BANGALORE	16TH AND 17TH JULY 2021	DR. KOMALA C R
	1VA17IS013	BHAVANI C				
	1VA17IS047	SNEHA M				
	1VA17IS057	SPARSHA R				
10	1VA17IS044	SHARAN G S	WATCH YOUR DRIVING: A DRIVER HEALTH MONITORING SYSTEM USING RASPBERRY PI	INTERNATIONAL JOURNAL OF RESEARCH IN ENGINEERING AND SCIENCE (IJRES)	VOLUME-9, ISSUE-7, MAY-2020 ISSN (ONLINE): 2320-9364, ISSN (PRINT): 2320-9356	MR. SANTHOSH Y N
	1VA17IS049	SRIKANTH S				
	1VA17IS050	SURAJ S T				
	1VA17IS054	VEENA K B				

Program Educational Objectives (PEOs)

PEO 1: Serve as IT professional with proficiency in developing solutions to complex engineering problems.

PEO 2: Pursue higher education, research and preserve the essence of lifelong learning.

PEO 3: Exhibit high standards of social and professional ethics, entrepreneurship and leadership qualities.