

# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



Activity name	Activity Description	Photo
Tools, Techniques in Academic Research & Creating Academic Documents Using LaTeX	The Department of ECE hosted a three-day workshop focused on "Tools and Techniques in Academic Research" and "Creating Academic Documents using LaTeX", from 2nd November 2022 to 4th November 2022 for Final Year Students of ECE. The aim of the workshop was to equip participants with the skills and knowledge necessary to conduct effective academic research and create professional academic documents using LaTeX.	Rajanukunte, Karnataka, India Sri Sai Doya, archada rt, Chrimaya mosdows. Rajanukunte, karnataka (India Lar 13.1714307



## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC – "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Career
Guidance
Event:
Debunking
Myths About
Studying
Abroad

Mrs. Vibhashree Ravindra, an Education Abroad Consultant with a track record of placing over 8000 students overseas, presented a seminar in collaboration with the Career Guidance Cell of SVIT. The seminar, titled "Debunking Myths About Studying Abroad," was intended for 7th semester students on November 8th 2022.



Seminar on Disruptive Technology ECE at SVIT
organized a
seminar on
January 6th, 2023,
with the theme of
"Disruptive
Technology." The
seminar was
presented by Mr.
Sujay U N, an
alumnus of SVIT's
Batch of 2012 and
the director of

DijiSuji

The Department of





with NDLI

day hands-on program on Virtual Labs for third-

Sri Sai Vidya Vikas Shikshana Samithi  $^{\circledR}$ 

# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



	Technologies Pvt Ltd.	
IEEE Membership Drive	On 18/1/2023, the Department of Electronics and Communication Engineering collaborated with IEEE Student Branch (STB11371) to conduct an IEEE membership drive. Under the coordination of Dr. Venkatesha M, Advisor of IEEE SVIT PS, Dr. Chaya B M, Advisor of IEEE SVIT EMBS, and Prajwal N, Student Vice Chair of IEEE and coordinator from our department, around 90 ECE students successfully enrolled for IEEE membership.	
Virtual Labs to Learn Digital Electronics - collaboration	On 20th January 2023, the Department of ECE will collaborate with NDLI to offer a one-	Can Virtual Canada Cana



# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA





# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



	1	
	the National Intellectual	
	Property	
	Awareness	
	Mission (NIPAM).	
Career Guidance on VLSI, Automotive Electronics, and Resume Building	On Friday, 31st March 2023, the Department of ECE in association with IIC-SVIT, IEEESVITSB (STB11371), Career Guidance Cell-SVIT, RV Skills, and Nano- Chip Solutions to present a career guidance event that emphasizes VLSI, automotive electronics, and resume building for Pre-Final and Final Year B.E. students in Electronics and Communication Engineering.	
Exam Crunch	On Saturday, 22nd March 2023, Sai Vidya Institute of Technology in association with Rotaract Club of SVIT organised a session which focussed on "The causes of stress, and what are the	Exam crunch 22-4-3023



# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



-		
	effects of stress	
	on our bodies".	
	Some 'Brain	
	Hacks' were	
	taught in order	
	to make our	
	brains perform	
	better. The	
	session also	
	focused on	
	benefits of	
	meditation and	
	pranayama.	
	The Toppers	
	Meet that was	
	conducted on	
	May 5th, 2023,	
	at the	
	Department of	
	Electronics and	7
	Communication	
	Engineering	4
	(ECE) at Sai	
	Vidya Institute of	A GO SERVICE AND
Toppers Meet	Technology. The	
	Toppers Meet	
	was organized to	
	recognize and	
	appreciate the	33
	academic	
	achievements of	
	the top-	
	performing	
	students in the	
	department for	
	the academic	
	year 2022-2023.	



## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC – "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Hands-on Workshop on LaTeX

The Department of ECE has hosted a 2-days Hands-on workshop on "**LaTeX**" on 27th July 2023 and 28th July 2023 for Final Year Students of ECE. The aim of the workshop was to equip participants with the skills and knowledge necessary to conduct effective academic research and create professional academic documents using LaTeX.





## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC – "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA







## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Microwave Theory and Technology Region 10 - Digital Affairs Committee (MTT R10-DAC)

We would like to extend our heartfelt congratulations to Mr. Prajwal N (1VA20EC053) and Ms. Indhushree K N (1VA20EC029) for their outstanding achievement in being selected as a members of the Microwave Theory and Technology Region 10 - Digital Affairs Committee (MTT R10-DAC)



Virtual
Workshop on
Unlocking the
Enigma:
Exploring
Visual
Perception
Challenges in
Robotics

IEEE SVIT-Robotics and Automation Society(SBC1137 1F) organized a Virtual workshop on "Unlocking the Enigma: **Exploring Visual** Perception Challenges in Robotics" on 30th September. The "Virtual Workshop on Unlocking the Enigma: **Exploring Visual** 





## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Perception Challenges in Robotics" is an online event designed to delve into the intricate challenges associated with visual perception in robotics. This workshop aims to bring together researchers, practitioners, and enthusiasts from the fields of robotics, computer vision, and artificial intelligence to discuss, share insights, and explore solutions to the complexities involved in how robots perceive and interpret visual information.

## BEST PAPER AWARD

of a PMMA
Sensor Film for
Organic Light
Emitting Diode"
has been
presented and
awarded as Best
Paper Award at
AICTE sponsored
IEEE
International

"Optical Design





## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Conference on
Nanoelectronics
Nanophotonics,
Nanomaterials,
Nanobioscience
and
Nanotechnology
(5NANO 2023)
held at VISAT
Engineering
College,
Ernakulam
sponsored by
IEEE Photonics
Society on 27th
and 28th April
2023.
This Paper was

This Paper was presented by Ms.
Sneha U and guided by
Dr. Chaya B M.

The Department of ECE has

Techniques and
Tools of
Research &
Report Writing
using LaTex

hosted a 3-days Hands-on workshop on "Techniques and Tools of Research & **Report Writing** using LaTex" from 4th October 2023 to 6th October 2023 for Final Year Students of ECE. The aim of the workshop was to equip participants with the skills and





# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC – "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



	knowledge necessary to conduct effective academic research and create professional academic documents using LaTeX.  The one-day workshop was	
Intellectual Property Rights & Practical Aspects of Patenting	rintellectual Property Rights & Practical Aspects of Patenting", conducted by Research Council SVIT, IPR-Cell SVIT, IQAC-SVIT in association with Idears2IPR which was held on 7th October 2023 was a grand success. Intellectual Property (IP) refers to creations of the mind, such as inventions, literary and artistic works, designs, symbols, names, and images used in commerce. Intellectual Property Rights	SAI VIDYA INSTITUTE OF TECHNOLOGY RESEARCH COUNCIL, IPR CELL, IQAC-SVIT IT described to the second of the second o



## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



are legal rights that protect the creators' or owners' exclusive use of their intellectual creations.

The Department of Electronics and Communication Engineering in association with IobiT solutions India Pvt Ltd. has hosted a 3-days FDP on

IoT Excellence for Educators: Bridging Theory and Practice days FDP on

"IoT Excellence
for Educators:
Bridging Theory
and Practice",
as per 5th
Semester 21-NEP
Scheme(ECE):
Ability
Enhancement
Course IoT
lab(21EC58)
from 11th
October 2023 to
13th October
2023.







## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

The Department

of Electronics

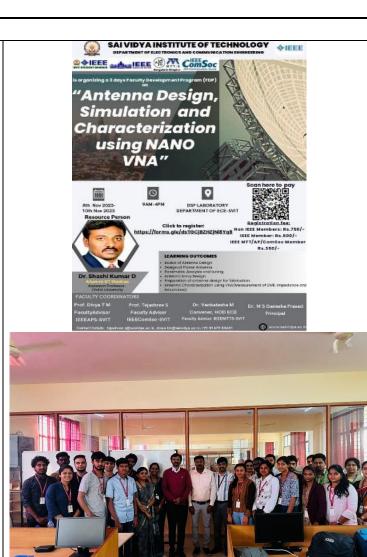
and

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Communication Engineering has hosted a 3-days FDP on "Antenna Design, Simulation and Characterizatio n using NANO **VNA**", from 8th November 2023 and 10th November 2023. Designing, simulating, and characterizing antennas using a Nano VNA (Vector Network Analyzer) involves a series of steps to understand and

optimize the performance of the antenna.





Antenna
Design,
Simulation and
Characterizatio
n using NANO
VNA



## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka. Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Department of ECE, In association with IEEE Photonics Society Bangalore Section in association with COMSOL

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Modeling Optic and Photonic Devices using COMSOL

Multiphysics

Multiphysics Pvt. Ltd. had organized a Webinar on "Modeling Optic and Photonic **Devices using COMSOL** Multiphysics" which was held on 22nd November 2023. COMSOL Multiphysics is a powerful software platform that allows for the simulation of various physical phenomena, including optics and photonics. When modeling optic and photonic devices using COMSOL Multiphysics, you typically follow a series of steps to set up, solve, and analyze your simulation.





Sri Sai Vidya Vikas Shikshana Samithi <sup>®</sup>

## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

SVIT Alumni Association has hosted Skill

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Skill
Enhancement
day-VLSI
design flow
with LVS, LEC
and DRC

Enhancement Day on "VLSI design flow with LVS, LEC and DRC", on 20th January 2024. This event mainly focused on how VLSI (Very Large Scale Integration) design flow involves a series of steps to design, verify, and manufacture integrated circuits. LVS (Layout vs. Schematic), LEC (Logical Equivalence Check), and DRC (Design Rule Check) are critical steps within this flow. Dr. Divyashree A is felicitated with best Alumni Award from Department of ECE.





## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



SVIT Institution's

SAI VIDYA

(A)

Innovation, Concept & Validation Innovation
Council in
association with
department of
ECE, has hosted
motivational talk
on "Innovation,
Concept &
Validation", on
17th January
2024 to celebrate
the National
Youth Day-2024.



INDUSTRIAL VISIT to Tenneco Group Company Industrial Visit
to **Tenneco Group Company,** 

Doddaballapur Road, Yelahanka, was arranged to third year students on 10th





# SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC – "A" Grade

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA



IEEE APS and IEEE MTT-S Bangalore Joint Chapter, 2023 Outstanding Volunteer Award	January 2023.  Dr. Venkatesha M, Faculty Advisor IEEE MTTS SVIT SB been honoured with the IEEE APS and IEEE MTT-S Bangalore Joint Chapter, 2023 Outstanding Volunteer Award, acknowledging my significant contributions to the overall growth of the Chapter at the IEEE APS and IEEE MTT-S Bangalore Joint Chapter AGM- 2024 held at	DEEE BAR SOO BARG & Chap
	Chapter AGM-	



## SAI VIDYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Recognized by Govt. of Karnataka.

Accredited by NBA, New Delhi (CSE, ECE, ISE, MECH & CIVIL), NAAC - "A" Grade

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION

RAJANUKUNTE, BENGALURU - 560 064, KARNATAKA

Department of ECE has

Phone: 080-28468191/96/97/98 \* E-mail: hodece@saividya.ac.in \* URL www.saividya.ac.in



Process of
Innovation
Development:
Technology
Readiness
Level;
Commercializat
ion of Lab
Technologies
and Tech
Transfer"

organized expert talk on "Process of Innovation Development: Technology Readiness Level; Commercializatio n of Lab Technologies and Tech Transfer" organized by the Department of ECE, Sai Vidva Institute of Technology, in association with Institutes Innovation Council-SVIT and IEEE Photonics Society SVITSB, Bangalore Section. Prof. S K Sinha addressed all the third year students and motivated the students to take part in process of Innovation, come out with Innovative Ideas and to build entrepreneurship qualities.

