

4th NATIONAL LEVEL ROBOFEST NEWSLETTER



**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
ENGINEERING**

FOUNDER



PRINCIPAL'S MESSAGE



A perfect combination of knowledge and skill has always helped in evolving ourselves to be the change, we once dreamt of. I am happy to learn that as a testament to this ideology the Department of Electronics and Instrumentation Engineering of our College has decided to bring 4th National ROBOFEST CREOISTA'22. I appreciate the efforts taken by both the faculty and the students of the department in stretching out a helping hand to quench the thirst for knowledge that sustains in every reader's mind. I wish them all the best for all their future endeavors.

Dr. K. Porkumaran

HOD'S MESSAGE



I am indeed extremely honored in organizing the 4th National ROBOFEST event in our Department which received immense response in this academic year. The main objective of this fest is to bring Engineering students together from different institutions across the country to share the innovative ideas and technical works with our students in our prestigious institution. Events, such as this, will not happen without active participation of the students. I take this opportunity to congratulate all the staff and student members to make this fest a grand success. I hope CREOISTA' 22 would cherish the success stories of the successful students who had come with flying colors and this would inspire and guide the upcoming students.

Dr. K. Renganathan

POSTER



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www.saiaram.edu.in

Saiaram
RAISE

Saiaram
FOMS

AKITA
ASSOCIATION OF KARNATAKA
INSTITUTE OF TECHNOLOGY
TOP 25 RANKING INSTITUTION

nirf
157
RANK

ISO 9001
CERTIFIED

ISO 14001
CERTIFIED

ISO 27001
CERTIFIED

SUSTAINABLE
DEVELOPMENT
GOALS



EIE
IEEE
Control Systems
Society

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION
IN ASSOCIATION WITH ISDI, IEI, ISTE, IEEE



Make the robot work
CREOISTA 4.0

TECHNICAL
Events

ROBO WAR
ALL TERRAIN
WORKSHOP
ELECTROFIZZ
VISION QUEST

NON TECHNICAL
Events

MELOMANIAC
SERIAL BINGERS
THE UNSOLVED CASE
WHOLESOME LOUNGE
CAMPUS AMBASSADOR

4th NATIONAL LEVEL ROBOFEST
#INTO THE ROBOVERSE
11th - NOVEMBER 2022

STAFF CO-ORDINATORS
MR.M.SUBRAMANIAN , AP/EIE
MS.B.PUVIYARASI ,AP/EIE

WEBSITE - www.creoista.com
MAIL ID - creoista22@gmail.com

STUDENT CO-ORDINATORS
SS.HARESH, IV - EIE
MOHANAPREETHI.R, IV - EIE

 **creoista**  **Creoista**

 **DR.K.RENGANATHAN**
HOD

 **DR.K.PORKUMARAN**
PRINCIPAL

 **SHRI.SAIPRAKASH LEDMUTHU**
CHAIRMAN & CEO



SCAN TO REGISTER

4TH NATIONAL LEVEL ROBOFEST



ON 15TH NOVEMBER 2022

Shri K. Srinivasan

AGM – Project – MEA Cluster

VA TECH WABAG LTD

“WABAG HOUSE”

Pallavaram, Chennai-117, TN, India.

Has kindly consented to be the Chief Guest and Guest of Honor
Respectively to deliver the inaugural addresses

Staff Co-ordinators:

-Mr. M. Subramanian

-Ms. B. Puviyarasi

SRI SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION
ENGINEERING

4th National Level ROBOFEST CREOISTA 4.0
11th November 2022
COMMITTEE LIST

Convener : Dr. K. RENGANATHAN, HOD/EIE

Coordinator : Mr. M. SUBRAMANIAN, AP/EIE
Ms. B. PUVIYARASI, AP/EIE

S.N O	COMMITTEE	STAFF-INCHARGE	CO-ORDINATORS
1.	Reception & Rangoli	Ms.S.Premalatha,AP-III	Rithi S Jenifer S
2.	Registration & Accommodation	Mr. B. Rajapandian,AP-II	Kavya K Arun Kumar M
3.	Models (Entrance Gate), Catering, Guest Hospitality	Mr. K. Madhana Mohan,AP-III	Punithavel C Jeevan Abish R
4.	Designing & Distribution of Website, Poster, Banner and Invitation,	Ms. R.Srividya,AP-II	Vijay Chandran M A Narendran L P
5.	Master of Ceremony, Memento	Ms. S. Subha ,AP-II	Abirami V Candes Judeline Perreira
6.	Certificate designing, printing, Distribution of Prizes and Certificate	Ms. T. Tamilselvi,AP-II	Harini D Varsha Nambiar M
7.	Newsletter, Souvenir	Ms.M.Nithya Rani,AP-III	Nivetha M Archana R
8.	Robo War (Technical Event)	Mr.K.Anbumani,AP-II	OM Varun R Sachith Kanna M
9.	ELECTROFIZZ(Technical Event)	Ms.K.Thirupura Sundari,AP-I	Gaudham P Krishana Sai M A
10.	VISION QUEST (Technical Event)	Ms.M.Nalini,AP-II	Harishankar A KR Eashvar N
11.	MELOMANIAC (Finding the songs),	Ms. T.Sathieskumar,AP-II	MELOMANIAC - Aishwariya Lakshmi G Gunanethi R

	SERIAL BINGERS (Netflix series and animation- based quizzes) (Non-Technical Event)		SERIAL BINGERS – Gunal G S Abirami V
12.	THE UNSOLVED CASE (On spot crime investigation), WHOLESOME LOUNGE (Instruments and Music) (Non-Technical Event)	Ms.R.Gayathiri,AP-II	THE UNSOLVED CASE – Candes Judeline Perreira Sripathy A WHOLESOME LOUNGE – Mohana preethi R Kirthika K S
13.	Workshop (Technical Event)	Ms. S.Durgadevi	Apurna Nayagi H Narendran L P
14.	Sponsorship, Finance and purchase, Campus Ambassador, Press and Media (Photo & video)	Dr. K. Renganathan, HOD/EIE Mr.M.Subramanian,AP-III Ms.B.Puviarasi,A P-III	Haresh S S Rakesh S Sreevargi S Sri Ranjan Abimanyu Yagneshwaran A
15.	Discipline committee	All staff	



TECHNICAL EVENTS

ROBOWAR

A war does not determine who is right, it only determines who left. Be the standing one in the war of robots. Prove the robot you built is the best. Gear your terminators. Calling commanders to assemble to this battle royale to win the cold war against enemy bot(s). Register to meet all the bots in war field.

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ROBO WAR



#INTO THE ROBOVERSE



ALL COMMANDERS ASSEMBLE
HERE TO WIN THE COLD WAR
AGAINST YOUR ENEMY BOT.
REGISTER SOON TO BOOK YOUR
WAR FIELD.

ONLY 8 TEAMS ALLOWED
REGISTER THE FORM ASAP
REFER WEBSITE FOR RULES
AND CONDITIONS

PRIZE :

1ST - 5000/-

2ND - 3000/-

3RD - 2000/-

STAFF CO-ORDINATOR : **MR.K.ANBUMANI**
PHONE NUMBER : **9840275890**

STUDENT CO-ORDINATOR : **OM VARUN , SACHITH**
PHONE NUMBER : **8760688611 , 8680971860**

WEBSITE : **WWW.CREOISTA.COM**



SCAN TO
REGISTER

ELECTROFIZZ

The world lies between the switching on and off of the circuits. The working of circuits is based on the proper linkage. Know the positive and negative poles. To challenge your circuit making skills we have a wide range of circuits based rounds. Improvise your knowledge of components and show your skills with wires. Register for this electric event and showcase your flash speed!

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Chennai - 600 082 www.sai-ram.ac.in

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ELECTROFIZZ



#INTO THE ROBOVERSE



CIRCUITS ARE THE BUILDING BLOCKS OF EVERYTHING IN THIS DYNAMIC COSMOS, FROM THE BIGGEST SPACECRAFT TO THE SMALLEST WATCHES. UNDERSTANDING FUNDAMENTAL CIRCUITS ALLOWS US TO ANALYZE LARGER DEVICES AS ENGINEERS. THIS COMPETITION'S OBJECTIVE IS TO EVALUATE THE COMPETITOR'S TECHNICAL KNOWLEDGE AND DEBUGGING ABILITIES. WE ANTICIPATE THAT PARTICIPANTS TO BE WELL-VERSED IN FUNDAMENTAL CIRCUITS.

PRIZE :

1ST - 1500/-

2ND - 1000/-

3RD - 750/-

STAFF CO-ORDINATOR : **MS.K.THIRUPURA SUNDARI**

PHONE NUMBER : **9884547754**

STUDENT CO-ORDINATOR : **KRISHNA SAI, GAUDHAM**

PHONE NUMBER : **9092740029 , 7904541620**

WEBSITE : **WWW.CREOISTA.COM**



SCAN TO
REGISTER

ALL TERRAIN

No road is great if it doesn't have different terrains and challenging obstacles. Here's to all audacious people to get set with your rovers. We bring you the grand event of 'All Terrain' to test the effectiveness of your magnificent rovers. Overcome the hurdles and take turns among the curvy bends, reach the end of the road as the winner. Get your hot wheels ready to finish on time. Note: The best time-keeper is noted!

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ALL TERRAIN



#INTO THE ROBOVERSE



IF MUD AIN'T FLYING YOU AIN'T TRYING. WE DEMAND THE BEST. ALL PARTICIPATING ROVERS SHOULD TACKLE THE DIFFERENT CHALLENGING TERRAIN TRACKS AND CHECKPOINTS TILL THEY FINISH THE TERRAIN COURSE. THE TIME TAKEN BY THE ROVER TO COMPLETE THE COURSE WILL BE NOTED.

PRIZE :

- 1ST - 5000/-**
- 2ND - 3000/-**
- 3RD - 2000/-**

STAFF CO-ORDINATOR : MR.R.PREMKUMAR
PHONE NUMBER : 9840961973
STUDENT CO-ORDINATOR : HARIHARAN , RISHI
PHONE NUMBER : 9677174823 , 9790957564
WEBSITE : WWW.CREOISTA.COM



**SCAN TO
REGISTER**

VISION QUEST

"A great presentation gives smart ideas an advantage!". To present yourself, your innovations and inventions we provide you a stage to showcase it all. Talk about your projects, their working standards, their efficiency to outshow your project development skill. From the inputs to outputs and between the processing you are being tested. Build your presentation skills and deliver it stupendously. Follow the rules, register yourself and be present for the presentation stage!

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VISION QUEST



STAFF CO-ORDINATOR : MS.M.NALINI
PHONE NUMBER : 9790800926
STUDENT CO-ORDINATOR : HARISHANKER , EASHVAR
PHONE NUMBER : 86674 97098 , 93600 42329
WEBSITE : WWW.CREOISTA.COM

#INTO THE ROBOVERSE



**PARTICIPATE IN THIS
KNOWLEDGE FILLED EVENT
AND SHOWCASE YOUR IDEAS.
THIS EVENT IS A STUPENDOUS
OPPORTUNITY TO UNLEASH
YOUR SKILLS AND WIN
EXCITING PRIZES ANDREWARDS**

PRIZE :
1ST - 1500/-
2ND - 1000/-
3RD - 750/-



**SCAN TO
REGISTER**

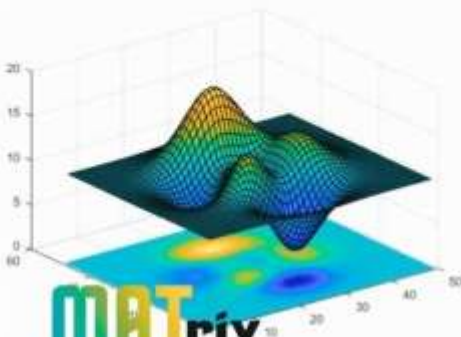
WORKSHOP

“Brains are wired to hands on interactions with the physical world. The more we work, the more we learn!” Welcoming all the engineering geeks to attend the one day hands-on training session held in offline mode and to gain knowledge from our expertised staffs.

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WORKSHOP


MATrix
LABoratory

#INTO THE ROBOVERSE



BRAINS ARE WIRED TO HANDSON INTERACTIONS WITH THE PHYSICAL WORLD. THE MORE WE WORK, THE MORE WE LEARN!". WELCOMING ALL THE ENGINEERING GEEKS TO ATTEND THE ONE DAY HANDS-ON TRAINING SESSION FOR WORKING WITH MATLAB. IT'S HELD IN OFFLINE MODE! REGISTER TO GAIN KNOWLEDGE FROM OUR EXPERTISED STAFFS

ENTRY FEES:

-100/-

STAFF CO-ORDINATOR : DR.S.DURGADEVI ,
MS.K.THIRUPURA SUNDARI
PHONE NUMBER : 9941935112 , 9884547754
STUDENT CO-ORDINATOR : NARENDRAN L P
PHONE NUMBER : 9710822375
WEBSITE : WWW.CREOISTA.COM



SCAN TO REGISTER



NON-TECHNICAL EVENTS

MELOMANIAC

Our life without melodies and harmonies would be totally empty. Music pleases your mind and gives relaxation. Music is all around us intersecting our lives, regulating our moods and bringing good vibes to those who are listening. It raises your mood, bringing excitement, or calming you down. It allows us to feel all the emotions that we experience in our lives. So we organized games that are related to music, come join with us and enjoy the event!

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MELOMANIAC



STAFF CO-ORDINATOR : MR. T.SATHIESKUMAR
PHONE NUMBER : 9940276368
STUDENT CO-ORDINATOR : GUNANETHI
AISHWARYALAKSHMI
PHONE NUMBER : 9080765396 , 8248345893
WEBSITE : WWW.CREOISTA.COM

#INTO THE ROBOVERSE



PEOPLE COME JOIN
WITH US !!! MOST ENJOYABLE
AND FUN FILLED MUSIC
ROLLERCOASTER STARTS
NOW! ANDRU DEEPAVALI
PARISU KAATHUKONDU
IRUKIRADHUI REGISTER SOON...

PRIZE :
1ST - 1000/-
2ND - 750/-
3RD - 500/-



SCAN TO
REGISTER

UNSOLVED CASE

"The unsolved case" is an intriguing crime, mystery, adventure-based event that will test your wits and require you to act quickly in order to solve the mystery. Was it a murder or an accident? Use your detective abilities to lay out the evidence and look into the crime.

THE UNSOLVED CASE



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Chennai - 601 305

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UNSOLVED CASE



STAFF CO-ORDINATOR : MS.R.GAYATHIRI
PHONE NUMBER : 9952012585
STUDENT CO-ORDINATOR : CANDES , SRIPATHY
PHONE NUMBER : 9790887561 , 93846 01305
WEBSITE : WWW.CREOISTA.COMIPSUM

#INTO THE ROBOVERSE



CREOISTA 4.0



EIE

"CRIME IS COMMON. LOGIC IS RARE". A CRIME HAS BEEN COMMITTED AND IT'S UP TO YOU TO GET TO THE BOTTOM OF THE MYSTERY! GET THE RIDDLES SUSPECT AND EXPLORE! WE BRING TO YOU THE CRIME THRILLER AND THE REAL TIME INVESTIGATION! THIS WILL BE AN UNFORGETTABLE THRILLER OF A DAY!! WE WELCOME YOU TO THE MISDEMEANOUR WORLD!!

PRIZE :

1ST - 1000/-
2ND - 750/-
3RD - 500/-



SCAN TO
REGISTER

SERIAL BINGERS

Knowing it is a piece of imagination, do you still love to watch series? Are you a diver in the ocean of series? Then we got you. Creosta 4.0 is back again with a feast for series buff. We are here to entertain & test your love & knowledge about series. Any binge-watcher who has a clear knowledge about series, anime and k-drama can take part in this event.



SERIAL BINGERS



STAFF CO-ORDINATOR : MR. T.SATHIESKUMAR
PHONE NUMBER : 9940276368
STUDENT CO-ORDINATOR : GUNAL, ABIRAMI
PHONE NUMBER : 9360984212, 9940711311
WEBSITE : WWW.CREOISTA.COM

#INTO THE ROBOVERSE



FROM NARUTO TO ITAEWON CLASS, LET'S TAKE A FUN RIDE AROUND OUR ONE AND ONLY FANTASY PLEASURE!, WHILE TESTING YOUR LOVE & LOYALTY TOWARDS YOUR FAVOURITES!! GET READY WITH YOUR BRAINS SHARPENED WITH YOUR FAVOURITE ANIMES, SERIES & K-DRAMAS! GAMBATTE AND HWAITING Y'ALL!!!!

PRIZE :

- 1ST - 1000/-**
- 2ND - 750/-**
- 3RD - 500/-**



SCAN TO REGISTER

WHOLESOME LOUNGE

Heyy Guys!! Your skills are over flowing right?? Show us your talents like Singing dancing and Instruments!! Aadalu paadalum engaluku potteh Aaganu ! Aaaahnn

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Training - All Indian Universities

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WHOLESOME LOUNGE



STAFF CO-ORDINATOR : MS.R.GAYATHIRI
PHONE NUMBER : 9952012585
STUDENT CO-ORDINATOR : PREETHI , KIRTHIKA
PHONE NUMBER : 9150128662 , 6380930205
WEBSITE : WWW.CREOISTA.COM

#INTO THE ROBOVERSE



CAMPUS AMBASSADOR

An ambassador's work is not just an agent but it's also being a spectacle. The voice of an ambassador can reach all directions. Be the bold speaker and learn the art of advertising and marketing for our grandiose events. Refer our event creoista 4.0 to all those who prefer!!

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**CAMPUS
AMBASSADOR**



STUDENT CO-ORDINATOR : MADHAVAN
PHONE NUMBER : 8610330720
WEBSITE : WWW.CREOISTA.COM

#INTO THE ROBOVERSE

**CREOISTA 4.0**


*A leader is someone
who knows the way,
shows the way and
so does a campus
ambassador! Come and
encourage your fellow
mates to participate in
Creoista 4.0!*

PRIZE :
1ST - 1000/-



**SCAN TO
REGISTER**

DEPARTMENT ACTIVITIES

- Sri Sairam EIE in association with Institution Innovation Council (SEC-IIC) & Entrepreneurship Development Cell (EDC) successfully conducted Webinar on "My Story: Motivational Session by Successful Entrepreneur /Startup Founder" delivered by our Proud Alumni (2016-2020 Batch) , Founder & C.E.O , Sales queen Software Solutions on 8.12.2021.



- Sri Sairam EIE in association with MOU Institution Innovation Council(SEC-IIC) & IEI,ISTE and IOSI conducted a seminar on “Achieving Problem Solution Fit and Product – Markets Fit” on 04.01.2022. EIE Alumni Mr. S. Samuel Giftson, procurement Analyst ,WNS DENALI ,Chennai was the resource person of the event delivering the lecture.



- Dr. Vidhyalavanya Ramachandran, Asst Prof/ECE, Middle East College, Sultanate of Oman & Dr. Sumesh Eratt Parameswaran, Freelance Expert in AI & Communication Engg, Sultanate of Oman Served as the resource person of the Webinar.



- The Virtual Alumni Meet organized by Sri Sairam EIE on 5th March 2022 was very successful and Sri Sairam EIE would like to thank all our Alumni, Student volunteers and Faculty for all your support. There was a lot of emotion and nostalgia when the alumni reminisced about their days in the Sri Sairam Engineering College campus. Several fun games were arranged. The students recalled the moments spent by these batches along with their professors. Students went down the memory lane recalling their association with Sairam Institutions and how the institute has contributed in shaping their respective careers even under such difficult circumstances. We're Happy To Meet You Again!



- Sri Sairam EIE has Successfully organized Project Exhibition 2022 On 11th May 2022. Sri Sairam EIE would like to thank the Chief Guest Mr. R. Antony David, Solution Architect – IOT connectivity, FL Smidh, Chennai for taking the time and effort necessary to review the student projects. Congratulations to all our budding engineers for a job well done! There were so many interesting and innovative inventions and research projects!



- Sri Sairam EIE has successfully conducted Guest Lecture on "HOW ENGINEERING CAN BE REWARDING" on 25.8.2022. We are sure that by participating in this session our department students have gained useful knowledge and innovative ideas through the real-world life experiences delivered by our proud 2010-14 Batch Alumnus Mr. Gautham Haribabu, Test Engineer, CGI, (Canada).



- Sri Sairam EIE in association with Skill Development club of @sairamec completed "TWO DAY WORKSHOP ON DESIGN ON DESIGN OF CONTROLLERS FOR ELECTRICAL AND PROCESS CONTROL APPLICATIONS USING MATLAB" for the benefit of Sri Sairam EIE students on 19.9.2022 and 20.9.2022. Dr. S. Durgadevi, Associate Professor/EIE and Ms. K. Thirupurasundari, Associate Professor/EIE acted as resource persons of the workshop that aids in building a proper foundation with MATLAB.



- Sri Sairam EIE in association with INDIAN SOCIETY FOR TECHNICAL EDUCATION, THE INSTITUTION OF ENGINEERS (INDIA) and INSTRUMENT SOCIETY OF INDIA has conducted a Guest Lecture on "ESSENTIAL PREPARATION STRATEGIES FOR TECHNICAL RECRUITMENT PROCESS" on 22.9.2022 for the benefit of EIE department students. The session delivered by Mr. S. Venkatraman, Patent Analyst, Dolcera Corporation, Hyderabad was very insightful and will provide our students a way to approach technical recruitment differently using a straightforward method.



- Sri Sairam EIE in association with INDIAN SOCIETY FOR TECHNICAL EDUCATION, THE INSTITUTION OF ENGINEERS (INDIA) and INSTRUMENT SOCIETY OF INDIA has conducted a Guest Lecture on "HOLISTIC DEVELOPMENT ON UHV-II" on 23.9.2022. Dr. V. Sumathi, Assistant Professor/SEC & Regional Coordinator of AICTE-NCCIP UHV(Southern Region of India) acted as the resource person and delivered a thought provoking session which made the gathering to think about the necessity of moral teachings to mankind.



- An awareness program on Skillrack was coordinated by our department staff Ms. Srividya. This intellectual session was a gathering of second years getting their encouragement by their respective final year students on how skillrack benefited them. Narendran , Mithun Balaji, Vijay Chandran and Sivaganesh of 4th year, proceeded with their experience in coding and they were introduced with their placement holdings. Each of them explained the value of gaining the knowledge of coding and also displayed how to solve a few codes on the spot. They made the session lively by letting their juniors know the various opportunities they can grab through the skillrack platform. It was an inquisitive session between students as the second years were very much interactive to the information shared by the seniors.



DEPARTMENT OF EIE & ITS MoU

- Sri Sairam EIE is happy to inform that Sairam Institutions has signed an Memorandum of Understanding with COINDIA -Government of India Infrastructure Cluster @COINDIA , Race Course, Coimbatore on 10th December 2021. Our Beloved Chairman and CEO Shri. Sai Prakash Leo Muthu, Shri. Karthick, Vice President COINDIA and President SIEMA also Managing director of Deccan Pumps Signed MoU and Graced the Function.



- Sri Sairam EIE is happy to announce the Memorandum of Understanding signing between NoobTron Pvt. Ltd. Chennai and Sairam Institutions on 19.4.2022. The MoU creates a framework for multifaceted R&D and industrial cooperation between NoobTron Pvt Ltd and Sairam Institutions on emerging technology areas of Electronics, Robotics, and Artificial Intelligence. This will help Sairam students to get hands of experience in business valued technological solutions in today's highly competitive environment.



PLACEMENTS (2021-22)

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Hearty congratulations to our students placed through Campus Interview as **SOFTWARE ASSOCIATE / ENGINEER TRAINEE 2022 BATCH**

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SAIRAM TRAINING ENTREPRENEURSHIP PLACEMENTS

cognizant
Rs. 4,00,000/- LPA

ARABHI B, KARTHI JAYAPUDAN, SUJAL B K, KARTHIKEYAN S, SACHIN KUMAR M, SNEHDEVI K, SURESH D, SUDHAKARAN Y B, SREJA G, VISHVA K K

tcs
Rs. 3,50,000/- LPA

SURAN THOMAS, VEYYANMAAL E, VISHNU B R

HCL
Rs. 3,50,000/- LPA

DURAI ARUNDESIAN D, MOHAMMED ARIF S, SARESH CHIDAM S, SRI VISHVA S, ABIRAN K

Infosys
Rs. 3,50,000/- LPA

SANTHIA M, REBINSON STANIS RUFUS A, RADHAPRABHA S, VASUNISHA A, PINKI BABU

Capgemini
Rs. 4,00,000/- LPA

KARTHIKAN R, SNEHA DEVI E, SRI KAMA VESANATH S

SAIRAM

Our students from batch 2018-22 are placed in various companies across both IT & core sectors.

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Hearty congratulations to our students placed through Campus Interview as **SOFTWARE ASSOCIATE / ENGINEER TRAINEE 2022 BATCH**

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SAIRAM TRAINING ENTREPRENEURSHIP PLACEMENTS

Marsware
Rs. 4,00,000/- LPA

PUNITHAN S, SURESH KUMAR P

Petrob
Rs. 2,50,000/- LPA

ANANDHAKAR R, JENFER S

accenture
Rs. 4,50,000/- to Rs. 6,50,000/- LPA

SERATHI R, SUDHAKARAN A

TATA ELXSI
Rs. 3,50,000/- LPA

MOHAMMED AFIK A, DEENANAN G, SRI VISHWAN C

DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

TCS DIGITAL
Rs. 7,11,000/- LPA

VEDHAKRISHN M

ZOH
Rs. 5,00,000/- LPA to Rs. 6,40,000/- LPA

SHRISHRITHA S

cognizant
Rs. 4,00,000/- LPA

PRASANNARA P S, SIVATHAN C

wipro
Rs. 3,50,000/- LPA

GAATHRI S, SIVANULLAI S, SIVATHAN C

TATA ELXSI
Rs. 3,50,000/- LPA

PUNITHAN R M, SYED IBRAHIM F

accenture
Rs. 4,00,000/- to Rs. 6,50,000/- LPA

GAATHRI R, SAI ANUSHA S, NISHITH T

TECHNOLOGIES
Rs. 2,00,000/- LPA

MOHAMMED ASLAM S

Petrob
Rs. 2,50,000/- LPA

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IEEE SOCIETY ACTIVITIES

- “Rhapsodize Talk On Overseas Education And Career Opportunities For Master’s Degree.” Sri Sairam EIE in association with IEEE Control Systems Society of Sairam Institutions has successfully conducted a talk on overseas education delivered by the alumni speakers “Mr.Pradhosh and Ms.SaiDurga” on 04.09.2021.

The poster is for an event titled "Rhapsodize Talk OVERSEAS EDUCATION AND CAREER OPPORTUNITIES FOR MASTER'S DEGREE". It is organized by the IEEE Control Systems Society and the Department of Electronics & Instrumentation Engineering at Sri Sairam Engineering College. The event is hosted on Zoom on Saturday, 04.09.2021, from 6:00 PM to 7:00 PM. The meeting ID is 8754502228 and the password is ieeeccs. Two distinguished alumni speakers are featured: Mr. Pradhosh Lakshmi Narasimhan, an Application Engineer at Ansys in Texas, USA, and Ms. Saidurga Karthikeyan, a Clinical data specialist at Indivumed in Germany. The poster also lists the organizers: Dr. C. Komathi, Dr. K. Renganathan, Dr. A. Rajendra Prasad, Dr. K. Perikumar, and Shri. Sai Prakash LeoMuthu. The bottom of the poster displays various accreditation logos including RAISE, FOMS, ABET, and NIF 100.

IEEE Control Systems Society
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
Sri SAI RAM ENGINEERING COLLEGE
An Autonomous Institution
West Tambaram, Chennai - 64
www.sairam.edu.in

Rhapsodize Talk
OVERSEAS EDUCATION AND CAREER OPPORTUNITIES FOR MASTER'S DEGREE

Make your dream come true
with our Distinguished Alumni Speakers
Sharing their experiences about the road map to success.

Hosting on Zoom
04.09.2021, Saturday
@ 6.00 PM – 7.00 PM
Meeting Id: 8754502228
Password: ieeeccs

Alumni Speakers

Mr. Pradhosh Lakshmi Narasimhan
Application Engineer at Ansys
Texas, United States
(2013-17 Batch, EIE)

Ms. Saidurga Karthikeyan
Clinical data specialist at Indivumed,
Schleswig-Holstein, Germany
(2013-17 Batch, EIE)

Dr. C. Komathi Organizer
Dr. K. Renganathan HOD/EIE
Dr. A. Rajendra Prasad Principal
Dr. K. Perikumar Director Sairam Institutions
Shri. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions

Sairam RAISE FOMS ABET NIF 100

- The IEEE CONTROL SYSTEM SOCIETY SEC SB chapter, is extremely delighted to invite you for the “Hands on program and interaction session on: Industry 4.0 - A Transformation in industrial automation“ by Mr.S. RANGANATHAN, Assistant professor and Project Head Electronics and instrumentation engineering Kumaraguru colleges of Technology, Coimbatore.



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An Autonomous Institution
Weel Tambaram, Chennai - 44
www.sairam.edu.in

IEEE Control Systems Society

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

**IEEE Sponsored
VIRTUAL HANDS-ON TRAINING SESSION ON
INDUSTRY 4.0
- A TRANSFORMATION IN
INDUSTRIAL AUTOMATION**

Trainer
Mr. S. Ranganathan
Assistant Professor and Project Head
Electronics and Instrumentation Engineering
Kumaraguru Colleges of Technology,
Coimbatore

Hosting on GoogleMeet  **18.09.2021, Saturday
@ 10.30 AM - 12.30 PM**

Meeting Link :
meet.google.com/bav-syzy-rzp

Sairam INSTITUTIONS 

Dr.C.Komathi IEEE CSS Advisor	Dr. K. Renganathan HOD/EIE	Dr. A. Rajendra Prasad Principal	Dr. K. Porkumaran Director Sairam Institutions	Shri. Sai Prakash LeoMuthu Chairman & CEO Sairam Institutions
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- Sri Sairam EIE Department in association with IEEE Control system society conducted a Hands-on Training on MATLAB SIMULINK on 31.05.2022 to 01.06.2022. The event was managed by the IEEE CSS Student members.



The poster is for a MATLAB SIMULINK HANDS-ON-TRAINING event. It features a blue background with a circuit-like pattern. At the top left is the SAI RAM ENGINEERING COLLEGE logo. To its right are logos for Sairam RAISE EOMS, ARIELA, nurf 108, and Sustainable Development Goals. The main title 'MATLAB SIMULINK HANDS - ON - TRAINING' is in large yellow letters. Below it, the dates '31.05.2022 - 01.06.2022' and the venue 'EIE (VI - LAB)' are displayed. The event coordinators are listed as IEEE CSS STUDENT MEMBERS. At the bottom, four names and titles are listed: S.SUBHA (IEEE - CSS SBC Advisor), Dr.K.Renganathan (HOD/EIE), Dr. K Porkumaran (Principal), and Shri. Sai Prakash Leo Muthu (Chairman & CEO Sairam Institutions).

SAI RAM ENGINEERING COLLEGE
An Autonomous Institution
West Tambaram, Chennai - 44
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DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

In Association with **IEEE Control System Society**

**MATLAB SIMULINK
HANDS - ON - TRAINING**

31.05.2022 - 01.06.2022

EVENT COORDINATORS:
IEEE CSS
STUDENT MEMBERS

VENUE
EIE (VI - LAB)
9-00AM - 11-45AM

S.SUBHA IEEE - CSS SBC Advisor Assistant Professor of EIE	Dr.K.Renganathan HOD/EIE	Dr. K Porkumaran Principal	Shri. Sai Prakash Leo Muthu Chairman & CEO Sairam Institutions
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COFFEE WITH

DR. B. SWAGATHA SARKAR

AMIE (GOLD MEDAL)

,M.TECH(WBUT),ME(BIT),MBA, Ph.D,

PG DIPLOMA IN ARTIFICIAL

INTELLIGENCE,

CHARTERED ENGINEER(IEI)

HOD/ARTIFICIAL INTELLIGENCE &

DATA SCIENCE SRI SAIRAM

ENGINEERING COLLEGE



It was our pleasure in interviewing the HOD/AI&DS Of Sri Sairam Engineering College. We were excited to meet her and know about her life experience.

Interviewed by:

Varsha Nambiar. M

Abirami. V

Nivetha. M

Archana. R

Rithi. S

Nandhini. S

Jenifer. S

Flip the page to know more about her.

- **We came to know that you had started this “Coffee With” back in our department, how was that early days of our Creoista Event?**

Ans: Our College got the opportunity to conduct a Robotic Event, back then IIT's and BITS were conducting such events. First, when we came up with this name “Creoista” I was happy about this name as it meant Festival of Creation. We conducted technical events such as Robo War, Line Follower, etc. This event is very memorable to me.

- **From being a significant person and a professor of our EIE department to becoming HOD of a unique department AIDS. How was this journey and what were the changes you had to make?**

Ans: I have already worked as IT HOD at Rajiv Gandhi Engineering College, so administration was not a new role for me but as this department was completely new it did not have any syllabus. I had to start from scratch at this department. EIE department staff & HOD helped me a lot in this journey. I enjoyed this process and I learnt a lot during this journey.

- **How was it working with our EIE HOD?**

Ans: He is a fully responsible person, even after I became HOD of AIDS he has always been the go-to person for help. He is also one of the few persons that I admire in the college. He is very supportive person and the first person I approach in case of difficulty.

- **If you are given a chance to become a student or a teenager again of the 20's, what will your day look like?**

Ans: I had deep career plan when I was a teenager. I thought I will be a mathematician but it changed due to the circumstances, if I get back into my 20's I will change my career path. I will start with that stream of mathematics, statistics. There is an institute at west Bengal Indian Statistical Institute it was my dream to join there, if given a chance this I will change in my career.

- **You have pursued engineering, psychology, MBA, so on you have tried and gained knowledge in a variety of fields but at the end why did you choose teaching as your profession?**

Ans: Even though if you have more than one degree when you are going to tell your profession you have to name only one. So if teaching is your profession, my students will be there in all fields. As a teacher when my students are in different fields it gives the feeling as if those are my professions. Teaching is the only field where surrounding all different fields are there that was taught when I chose teaching.

- **During your school days, who was your favorite person or inspiration?** Ans: My daddy, he is a kind of person who use to tell me to not to overthink about what you are doing just do the work with full passion. My father used to tell me that “Don't be prepared for a job, be prepared in such a way that people will search you for the job” My father never pushed me to work in a particular company or to chose a particular work he always told me to prepare as you wish as per your passion. That is absolutely correct it has worked for me.

- **When you reached Chennai, during those days did you ever feel left out or that not knowing Tamil was a problem. Do you think that language was a barrier back then?**

Ans: It was very critical for me that time I didn't realise much but when I think about those days, I always feel like how I managed to handle. In 2009 I came to Chennai; I did not know Tamil. When I joined Rajiv Gandhi, people from other department came to see me as I was new there even then I couldn't understand what they were speaking in Tamil also I was HOD of IT department I had to handle a lot of responsibilities, so not knowing Tamil was hard for me.

- **As we know that you have created everything for this department from scratch, what was the biggest challenge that you faced in this journey?** Ans: It was fully challenged. Staff, student, infrastructure, syllabus nothing was there. When you join a department, everything will be there as a teacher you have to follow the path Here path itself not there. The lockdown period I hardly slept, as 2020 students will be joining it was hard to frame the syllabus. But now the job is done and it is going well.

- **You have achieved a lot in your career, how do you motivate the students to take their career seriously?**

Ans: The first important thing is being punctual. If you are punctual in life everything will be perfect. Second is always be happy and passionate. Try to find a happy component in your work/life that will keep you passionate. Always have multiple options so that the failures will not affect you. Don't keep any expectation, if you keep it will be hard to stay happy.

- **After all these achievements, what will be your next step career wise or in your life? What will be your next dream or the goal that you want to achieve?**

Ans: I didn't feel like some definite goal like that. My step is always small I don't take big steps. How much time is necessary you should give that much time. Never jump quickly from one to another. My next goal will be that I want to be with the students and help them guide them.

- **What is your definition of success?**

Ans: Success definition changes from person to person. For me success is that people should remember me. For now, students here are very supporting and they will come to me in difficulty that is success to me.

- **What do you do at stressful situations or if you are confused about the decisions?**

Ans: This situation comes very less in my life. I am never confused, if I feel like I am clear about what I do. When you don't plan your work properly then stress will occur confusions will be there so always have a plan and just proceed with it. I will not take any action immediately I will think first.

➤ **What will be your advice or tips for the upcoming engineers?**

Ans: We are not taking pride in studying engineering. Other professions they proudly say their professions name but we are like we had no other options. We must take our profession seriously. Be proud as a Engineer. It is a very dignified profession but we are losing this dignity. We are also losing our moral values which are very important for a person. Nowadays, we have to teach these values for students as a subject. It is being framed as the students are not having these basics human values.



PURSUE YOUR DREAM, SUCCESS WILL FOLLOW YOU.

Thank you for these words mam it encouraged us a lot.

STAFF ACTIVITIES

- Patent titled “SMART BOOKING MACHINE FOR POSTAL LETTERS AND PARCELS USING IOT AND ARTIFICIAL INTELLIGENCE TECHNIQUES” has been filed by Dr Nalini. M
- Dr M. Nalini has contributed as a Technical Reviewer in International Conference on Arts and Cultures 2022.
- Dr. M. Nalini has contributed as REVIEWER of papers for international conference on Communication, Computing & Internet of Things 2022.
- Dr. M. Nalini has successfully completed the 5 days Face to Face UHV – II FDP organized by AICTE from 26th July to 30th July 2022.
- Dr. M. Nalini has received a certificate of appreciation for her excellent support as a Session Chair for 2022 International Conference on Communication, Computing & Internet of Things (IC3IOT-2022) held on 10th and 12th March 2022.
- Mr.. B. Rajapandian has participated in the FDP on ‘Renewable energy systems laboratory; organised by EEE dept during 26th-29th September 2022.
- Mr.. B. Rajapandian has participated in the workshop on ‘Simulation of Power converters using Matlab-Simulink’ organized in association with ISTE-FACULTY CHAPTER on 1st & 2nd August 2022.
- Dr. K. Anbumani, successfully completed the course Advanced Linear Continuous Control Systems by NPTEL-AICTE FDP.
- Dr. K. Anbumani, successfully completed the course Introduction to Internet of Things by NPTEL-AICTE FDP.
- Dr. K. Anbumani, participated in the training programme on “Arduino Programming using Tinkercad” from 6.12.21 to 10.12.21
- Dr. K. Anbumani has contributed as a Technical Reviewer in ICCCEG 2021
- Dr.K.Anbumani attended FDP on Digital Electronics Applications for Process control from 22.11.22 to 27.11.22 at SRM Valliammai Engg College Chennai
- Dr.K.Anbumani has successfully completed the 5 days UHV – I FDP organized by AICTE from 26th July to 30th July 2021
- Dr. K. Anbumani, received a Best Faculty Advisor Award 2021 by AISC, IEI.

- Ms. K. Thirupura Sundari has secured second place in college level for completing Module 4 NITTT course.
- Ms. K. Thirupura Sundari has secured elite certified for completing NPTEL course on Python for Data Science



- Ms. S. Premalatha has participated in “ISTE Sponsored Short Term Training Programme on Deep Learning Tools and its Applications” conducted by AIDS department of Sri Sairam Engineering College from 25th July 2022 to 29th July 2022.
- Ms. N. Nithya Rani has contributed as Project Reviewer for 2nd year ECE department on 31st October 2022.
- Ms. N. Nithya Rani has attended PALS T2P event at IIT Chennai along with EIE students on 1st sep 2022.



- Ms. K. SriVidhya has contributed as Reviewer for Journal of applied Micro Biology
- Ms. K. SriVidhya has received a certificate of appreciation for a record of outstanding Accomplishments.
- Mr. K. Srividya has participated in Workshop on ‘MATLAB and its Applications in Image Processing and communication’.
- Ms. N. Nithya Rani and Ms. T. Tamil Selvi attended “VVDN-NI Academic Conclave 2022: Innovations and Research in Education” at Hablis Chennai on 11th Oct 2022



- Ms. N. Nithya Rani and Ms. T. Tamil Selvi attended “VVDN-NI Industrial Conclave 2022 at Hablis Chennai on 13th Oct 2022



- Ms.S.Premalatha has participated in FDP on ‘Deep Learning and its Applications’ in association with ISTE on 11th-15th July 2022.
- Ms. S.Premalatha has participated in STTP on ‘Deep Learning and its Applications’ in association with ISTE on 25th – 29th July,2022.
- Ms. N. Nithya Rani has attended an event on Entrepreneurship Development & Innovation Institute, Government of Tamilnadu & IEDP EDII MIT - HUB jointly organised, 3 days Faculty Development Programme (FDP) from 19th to 21st Oct 2022



- Mr. B. Rajapandian, Ms.K.Thirupura Sundari & Ms.S.Premalatha has successfully undergone 15 days “Faculty Industrial Training Program” at GH Induction India Pvt Ltd.



PAPER PUBLICATIONS

1. Dr. M. Nalini has published the following papers

- "Detection of Parkinson's Disease Using Voice Changes and Hand-tremor," 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), 2022,
- "M-Health Technology Using IOT," 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 2021
- "Enhanced Quality Analysis of Fuel Tank Using Pressure Drop Method Using PLC and SCADA," 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 2021

2. Ms. K. Thirupura Sundari has published

- "Linear Quadratic Regulator-Based PI Control of a Non-Ideal Quadratic Boost PFC Converter for Low Power Wind Energy Conversion Systems Supplying Uninterruptible DC Power" in IETE Journal of Research, Taylor and Francis ,24 Mar 2022
- "A Novel Approach of Chemical Process for Regulation, Control and Conversion of Greenhouse Gas" in Journal of Chengdu University of Technology
- A Novel Method For Prevention of Accidents At High Alert Zones in Ilkogretim Online - Elementary Education Online..

3. Mr. B. Rajapandian has published the following papers

- "Smart Diagnosis of Disease Using Machine Learning" in 8th International Conference on Advanced Computing and Communication Systems (ICACCS) on 25-26 March 2022, indexed in Scopus.
- "Design and Analysis of SEPIC Converter Controller with Filter for BLDC Applications" in 8th International Conference on Advanced Computing and Communication Systems (ICACCS) on 25-26 March 2022, indexed in Scopus.
- "Multi-Way Switching System Using IoT" in 4th International Conference on Computing and Communications Technologies (ICCCT) on 6/12/2021, indexed in Scopus

4. Dr. S. Durga Devi has published the following papers

- "Smart Energy Metering for cost and Power Reduction in Household Applications", 2021, 7th International Conference on Electrical Energy Systems in IEEE.
- "Smart Machine Learning System for Blind Assistance", 2021, IEEE.

5. Ms. R. Gayathiri has published the following papers

- "Detection of Parkinson's Disease Using Voice Changes and Hand-tremor," 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), 2022,
- "M-Health Technology Using IOT," 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 2021
- "Enhanced Quality Analysis of Fuel Tank Using Pressure Drop Method Using PLC and SCADA," 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 2021

6. Ms. T. Tamilselvi has published the following papers

- Performance steady on a mono-pass solar air heating system(MPSAH) under the influence of the PCM

7. Ms. S. Premalatha has published the following papers

- “Smart Diagnosis of Disease Using Machine Learning” in 8th International Conference on Advanced Computing and Communication Systems (ICACCS) on 25-26 March 2022
- “Multi-Way Switching System Using IoT” in 4th International Conference on Computing and Communications Technologies (ICCCT) on 6/12/2021
- "Infection Prevention and Control Using Self Sterilizing Door Handle for Covid", 2021 4th International Conference on Computing and Communications Technologies (ICCCT), 18 February 2022, Publisher: IEEE
- "Analysis of Mineral Density in Bone Using Deep Learning and Smart Tracking System" 2022 International Conference on Communication, Computing and Internet of Things, IC3IoT 2022 , Year - 2022, Publisher: IEEE

8. Ms. B. Puviyarasi has published the following papers

- Design and Implementation of Gain scheduling decentralized PI/PID controller for the fluid catalytic cracking unit.
- Design and Implementation of Adaptive mixed fuzzy controller for MIMO non linear systems.

9. Ms. N. Nithya Rani has published the paper

- “Performance Optimization of Stepper Motor using MATLAB in SPRINGER journal.

STUDENTS ACHIEVEMENTS

- Ms. G. Sreeja, our student from batch 2018-2022 had received “BEST OUTGOING STUDENT AWARD” from Honorable Mayor Smt.Vasanthakumari Kamala Kannan ,Tambaram corporation at the Women’s Day Celebrations conducted on 18th March 2022.



- Ms. K. Abirami, our student from batch 2018-2022 had received “ISTE BEST STUDENT AWARD 2021” for her overall performances in the academic, extracurricular and the involvement in ISTE chapter activities.



- G. Sri Varshan, our student from batch 2018-2022 had received University level NSS Award “Best N.S.S Volunteer Award” from Anna University, Chennai in recognition of the meritorious services rendered under National Service Scheme during the year 2020-21.



- Our Final year and IIIrd year students had been shortlisted for High Powered Selection Committee, Ministry of Defence “PRESENTATION OF IDEX DISC #6” For the problems no.20 & 21 respectively, defined by TROOP COMFORTS LIMITED.


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Hearty Congratulations!!!



TO THE FOLLOWING TEAMS FOR BEING
**SHORTLISTED FOR HIGH POWERED
 SELECTION COMMITTEE, MINISTRY OF DEFENCE**
 PRESENTATION OF
IDEX DISC #6
 Problems defined by **TROOP COMFORTS LIMITED**
 (A Govt of India Enterprise)

PROBLEM NO. 21
**DESIGNING THERMAL AGILE MANNEQUIN
 TO MEASURE COMFORT PARAMETER
 IN SIMULATED HIGH-ALTITUDE ENVIRONMENT**

TEAM LEAD : Karthika G, ECE - 8th yr

TEAM MEMBERS
 Rajesh M, ECE, III yr / Suthanraj M, ECE, III yr
 Karish Leela M, ECE, III yr / Priyadarshan ECE, III yr
 Mrithula S, CSE 'A' - I yr / Aishwarya, CSE 'A' - I yr
 Divya D, CSE 'A' - I yr

TEAM MENTORS
 Dr. B. Balaraman, Associate Professor, ECE
 Dr. A. Sanjeev Gandhi, Associate Professor, ECE

PROBLEM NO. 20
**DESIGN OF BALLISTIC PORTABLE
 BUNKERS WITH COOLING SYSTEM**

TEAM LEAD : Rishi S, ECE - Final Year

TEAM MEMBERS
 Nandhini S, ECE, Final year
 Harshavarthan M, ECE, Final year
 Ragul VB, CSE, Final year
 Sundar V, Mech, Final year

TEAM MENTORS
 Ms. Tamil Selvi T, Assistant Professor, ECE

Sairam Family wish them all the very best.



Dr. K. Porkumaran
Principal

Shri. Sai Prakash LeoMuthu
Chairman & CEO



- IIIrd year student Suthanraj.K had been shortlisted for High Powered Selection Committee, Ministry of Defence “IDEX PRIME” for the problems no.1 & 2 ,defined by INDIAN NAVY.



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Hearty Congratulations
AND BEST WISHES FROM SAIRAM FRATERNITY!!!!

IDEX
Innovations for Defence Excellence

IDEX PRIME
HIGH POWERED SELECTION COMMITTEE
PRESENTATION SHORTLISTED TEAM

Indian Navy

PROBLEM STATEMENT NO. 1
DEFINED BY INDIAN NAVY - TO DEVELOP
ON AI BASED UGV FOR IDENTIFYING
AND MARKING MINES IN A MINEFIELD

PROJECT MENTORS:
Dr. K. RENGANATHAN,
HOD/EIE

PROBLEM STATEMENT NO. 2
DEFINED BY INDIAN NAVY -
ADVANCE TRUSS BRIDGE

TEAM LEAD:
Suthanraj.K, IIIrd Year, EIE

TEAM MEMBER :
Karthika.G, IIIrd Year, EIE

Dr. K. Porkumaran
Principal

Shri. Sai Prakash LeoMuthu
Chairman & CEO

- Prashithaa N and Samyuktha S, IIIrd students had received Offer Letter on Virtual Research Attachment Programme from Prestigious University Technology PETRONAS, Malaysia(QS WORLD RANKED UNIVERSITY).



Sri SAIRAM ENGINEERING COLLEGE



UTP
UNIVERSITY TECHNOLOGY PETRONAS

Congratulations

Under Graduate students who have received
OFFER LETTER OF VIRTUAL RESEARCH ATTACHMENT PROGRAMME (VRAP)
from the **Prestigious Universiti Teknologi PETRONAS (UTP),**
Malaysia (QS WORLD Ranked University)



SURYA.R
III Year/EEE



SUDHARSAN.M
III Year/EEE



NAVEEN.B.M
III Year/EEE



**MOHAMED AZEEM
AFFAN.A**
III Year/EEE



GUNESHWAR.M
III Year/EEE



PRADEEP.S
III Year/ECE



SAMYUKTHA.S
III Year/EIE



PRASHITHAA.N
III Year/EIE



MADHUMITA.S
III Year/ICE



Ts. Dr. RAMANI KANNAN Ph.D.,
CEng (UK), SMIEEE (USA), MIET(UK), MIE (I),
Manager-India Malaysia Industrial &
Institutional Initiative (UTP In-MIII)

INDUSTRIAL VISIT



Sri Sairam Engineering, EIE Department has organized an industrial visit of thermal power station, Neyveli for 3rd and 4th year students. Around 70 students along with 2 faculty member visited NLC on 27.04.2022. The visit was very informative as we observed each of energy conversions used in power plant starting from fuel section to the cooling towers.



Sri Sairam Engineering, EIE Department has organized an industrial visit of CET Power Solutions India Private Lmt, Kattupakkam for 3rd year studentS on 03.11.2022. Around 65 students along with 2 Faculty member visited the industry.

STUDENT ACTIVITIES

CONFERENCES

S.No	Student Name	College / Institution	Event	Date	Position / Participated
1	S Sreevaragi	Sri Sai Ram Engineering College	3rd ICESC at Hindusthan Institute of technology-Coimbatore.	17.08.2022 to 19.08.2022	Participated
2	M Swetha	Sri Sai Ram Engineering College	3rd ICESC at Hindusthan Institute of technology-Coimbatore.	17.08.2022 to 19.08.2022	Participated
3	R Dhanush	Sri Sai Ram Engineering College	NCFMAA-22 at SIMATS School of Engineering	11.08.2022 to 12.08.2022	Best Oral Presentation Award
4	R Bharath Kumar	Sri Sai Ram Engineering College	NCFMAA-22 at SIMATS School of Engineering	11.08.2022 to 12.08.2022	Best Oral Presentation Award
5	A Eniyan	Sri Sai Ram Engineering College	NCFMAA-22 at SIMATS School of Engineering	11.08.2022 to 12.08.2022	Best Oral Presentation Award

CO-CURRICULAR ACTIVITIES

S. no	STUDENT NAME	COLLEGE/INSTITUTION	EVENT	DATE	POSITION/PARTICIPATED
1.	BHARAT KUMAR. M.R	SRI SAIRAM ENGINEERING COLLEGE	VALUE ADDED TRAINING ON CANSAT	28-03-22 To 01-04-22	COURSE COMPLETED
2.	SRIVARSHA.U	SRI SAIRAM ENGINEERING COLLEGE.	WORKSHOP ON UI/UX DESIGNING	13-05-22	PARTICIPATED
3.	AKSHAYA.D	SATHYABAMA INSTITUTE OF SCIENCE & TECH	TECHNOSUMMIT	5-08-22	PARTICIPATED
4.	SAIMAHALAKSH M I.G	IEEE-SRI SAIRAM INSTITUTE OF TECHNOLOGY	CODEATHON' 22	15-09-22 TO 23-09-22	1 ST PRIZE
5.	HARINARENDRA N. K	SATHYABAMA INSTITUTE OF SCI & TECH	TECHNOSUMMIT	05-08-22	PARTICIPATED
6.	SHRUTHI.P.D	SRI SAIRAM ENGINEERING COLLEGE	IDEATHON 2.0	12-05-22	2 ND PRIZE
7.	KEERTHANA.P	MIT	INTECHO'22	14-05-22	2 ND PRIZE
8.	KEERTHANA.P	MIT	SAMHITA'22	23-04-22	1 ST PRIZE
9.	M.R. BHARAT KUMAR	HINDUSTAN INSTITUTE OF TECHNOLOGY	SMART INDIA HACKATHON	25-08-22 TO 26-08-22	PARTICIPATED

10.	KEERTHIVASAN.R	ACIC-KALASINGAM INNOVATION FOUNDATION	IDEATHON'21	08-12-22 TO 10-10-22	PARTICIPATED
11.	SRIVARSHA.U	MIT	INTECHO'22	14-05-22	2 ND PRIZE
12.	PRIYADHARASHIN I.V	SATHYABAMA INSTITUTE OF SCI & TECH	TECHNOSUM MIT'22	05-08-22 TO 06-08-22	PARTICIPATED
13.	SENTAMIZH SELVAN	MCC	SERVITIUM'22	26-09-22 TO 30-09-22	3 RD PRIZE
14.	SOWMIYA.K	SATHYABAMA INSTITUTE OF SCI & TECH	TECHNOSUM MIT'22	05-08-22 TO 06-08-22	PARTICIPATED
15.	MEGALA.S	SRI SAIRAM ENGINEERING COLLEGE	GRITX 5.0	24-09-22	PARTICIPATED

PROJECT EXPO 2022

The Project Exhibition for the the batch 2018-2022 was held on May 2022.The top three projects to win the prizes were



Rank	Project Title	Name of the Students	Name of the Guide
1	DESIGN OF COST EFFICIENT GPS BASED ANTI-THEFT DETECTION SYSTEM	G.SRIVARSHAN	Ms. S. Subha
		E.RENUKA DEVI	
		G.SREEJA	
2	DETECTION OF PARKINSON'S USING VOICE CHANGES AND HAND TREMOR	SRIMATHI R	Dr. M. Nalini
		VIDYATHMIKAA R	
		JENIFER S	
3	GENERATION OF ELECTRICITY THROUGH VORTEX SHEDDING	Aakash B S	Mr. K. Anbumani
		Harivelavan K	
		Logeshwaran M	

ABSTRACTS

Design Of Cost Efficient Gps Based Anti-Theft Detection System

G.SRIVARSHAN, E.RENUKA DEVI, G.SREEJA

Guided by
S.SUBHA(AP/EIE)

A major issue today at many places like shopping malls and residential areas is that they have a constant fear of having their places secured and safe when they are away. Even though there are a lot of other security systems like CCTV cameras, surveillance cameras with emergency call alerts, digital panel card readers, and home safety protection door lock systems, they don't distinguish between human and inhuman activity. It also takes more time to catch the thief. The paper focuses on designing a system to detect theft activities even before the commencement of theft. The proposed solution will eliminate the duration of finding the thief and communicate the theft occurrence instantly to emergency numbers (owners and police) using GSM. The designed system will be a hidden system where the owner gets information about the ongoing theft. The proposed system reduces the overall cost through the incorporation of an inexpensive and accurate sensor.

DETECTION OF PARKINSON'S USING VOICE CHANGES AND HAND TREMOR

SRIMATHI R, VIDYATHMIKAA R, JENIFER S

Guided by
DR.M.NALINI/PROFESSOR EIE

Biomarkers derived from human voice can offer in-sight into neurological disorders, such as Parkinson's disease (PD), because of their underlying cognitive and neuromuscular function. PD is a progressive neurodegenerative disorder that affects about one million people. Identification of PD from quickly presented stimuli, including voice and handwriting, is fundamental to many social processes, including rapid mimicry and empathy. With advancements in technology and the prevalence of audio collecting devices in daily lives, reliable models that can translate this audio data into a diagnostic tool for healthcare professionals would potentially provide diagnoses that are cheaper and more accurate. This project works on detecting the PD. This project works on two modes. These modes are voice and handwriting. To detect the PD via voice is performed with audio processing and machine learning algorithms. The features are extracted from the audio of PD persons with MFCC. Machine learning algorithms are used for classification. The next part is to detect PD via hand vibrations is performed with embedded systems using the microcontroller to determine the disease with the help of accelerometer sensor. The design for angle measurement is based on the principle of measuring the angle of free vibration of the suspended mass with respect to the casing of the accelerometer. Thus if the vibration crossed the threshold value then the person is PD affected.

Generation Of Electricity through Vortex Shedding

AAKASH B S HARIVELAVAN K LOGESHWARAN M

Guided By

Dr. K.ANBUMANI Associate Professor

India is on the verge of becoming a global power. This means it is at the forefront of emerging countries' economic advancement. In the coming decades, requirements will skyrocket. Coal could be used to meet energy demand because it is not abundant in nature. Coal will be drained out over the next few decades, as per forecast. A next alternative seems to be solar energy. Solar energy has some drawbacks, the most significant of which is that it is expensive due to the lower concentration per unit area. Global warming has been presently accelerating. Also, power outages are due to a decrease in fossil fuels, which are used to generate electricity. As a result, the most appropriate solution is to use renewable sources of energy to solve the problems. To solve the effects comparison with existing windmills as well as achieve maximum use of wind power, bladeless wind power is an adequate alternative that incorporates low noise, electric generation at low speeds, as well as minimal cost owing to the unavailability of blades. The Vortex is a concept for such a bladeless wind turbine (BWT) made of rolled carbon fiber or glass fiber that shoots into the sky. The Vortex's goals are the same as that of traditional WT'S: It converts breezes into kinetic energy, which can then be converted into electricity. The various other projects setup by the students in the exhibition were

s. no	PROJECT ID	STUDENT NAME	TITLE
1	SEC2022EIPJ01	Adlene Jessica	lot based real time water consumption flow meter
		Abirami	
		Bavithra	
2	SEC2022EIPJ02	Karthikeyan R	soil classification using image processing
		Punithan S	
		Sunil Kumar P	
3	SEC2022EIPJ03	Sreeja. G	Design of the cost efficient GPS based anti-theft detection system
		Srivarshan . G	
		Renuka Devi . E	
4	SEC2022EIPJ04	R.Udayakumar	lot based natural vs artificial plant growth analysis using python
		Jagadesh.S	
		Sri Ganesh.M	
5	SEC2022EIPJ05	Srimathi	Detection of parkinson's using voice changes and handshake
		Jenifer S	
		vidyathmikaa R	
6	SEC2022EIPJ06	Aakash B S	Generation Of Electricity through Vortex Shedding
		Logheshwaran M	

		Harivelavan M	
7	SEC2022EIPJ07	Vimonisha	Design and implementation of an health Monitoring system using iot
		Anbazhagan	
		Harini	
8	SEC2022EIPJ08	Madhuprabha S	Electrolytic Disinfected and Purified Water Supply System
		Susan Thomas	
		Sindhusa K	
9	SEC2022EIPJ09	SABESH CHARAN S	dual axis solar tracking system
		YK Sudarshan	
		Rishi Bruno	
10	SEC2022EIPJ10	Sai Rama Meenaksi.G	Controller Design of Fluid Catalytic Cracking Unit Controller DesignOF
		GURUPRASAD SG	
		ASWIN KUMAR P L	
11	SEC2022EIPJ11	M. SACHIN KUMAR	system to predict osteoporosis disease and early indication using iot
		G. DURAI ARAVINDHAN	
		A. MOHAMMED ARIF	
12	SEC2022EIPJ12	R.K.Vishvak	brain tumor detection using soft computing
		S.Ram Prasanth	
		A.Robinson stains rufus	
13	SEC2022EIPJ13	Sujal BH	Employing machine learning models and data visualizations for the prognosis of Heart Disease
		Nanthini J.	
		YEDUGURU MAHESH REDDY	
14	SEC2022EIPJ14	SEENIVASAN G	a machine learning model for early detection of oral cancer
		MANOJ M	
		MOHANAVEL S	
15	SEC2022EIPJ15	KATHIRAVAN K	design and fabrication of wind and heat powered vehicle
		BASKAR S	
16	SEC2022EIPJ16	PRAVEEN M	modelling and analysis of battery electric vehicle using matlab
		DENNIS JOEL RAJ D	

PAINTINGS



N. Prashitaa, EIE,
3rd year

PENCIL SKETCH



Jayasathya, EIE,
2nd year



R. Archana, EIE,
Final year

DIGITALART



-Vijay Chandran, EIE,
Final year

ESSAY

Gratitude

For some life is a race, we just run in the lane forever not knowing our end point. For some life is a journey, not knowing who will be with us till our destination is reached. Everyone have their own meaning for life. Humans go through happiness, sadness, achievements and sometimes a heart-breaking betrayal but still we keep going. We feel life is hard on us remember, in a game the level gets harder and harder same way you have been reaching higher and higher in life. One failure of ours cannot define your life. Without failure success also doesn't taste good. We all know everything in this digital age but we fail to do one important thing which makes every victory and our effort to achieve something incomplete.

That is, GRATITUDE.

Whatever we achieve, we feel incomplete without an appreciation for it. Then why do we fail to thank others who supported us. First, we must thank our parents for taking care of us and supported us in all phase of life. Then we must thank our family and friends for sharing all our happiness and sadness throughout our life. Then we must thank our teachers who guide us and corrected us to lead a good life. Then we must thank that supreme power which guide us and give the strength to face a problem and overcome it. I have mentioned all but left the main person who must been the First one we should be grateful to. That person is none other but the very "YOU".

We all fail to thank ourselves to what we have become. From the very birth others helped us in our life, but we were the one who struggled and yet we stand here today. Whatever others have said would have not happened without you taking an initiative. Just think about your from where you started and till this minute. You yourself will know how many times you have achieved many things that you have once thought impossible. Just spend a minute daily for thanking you. It might seem silly or useless first but when you make it a habit knowing or unknowingly you will feel complete and who will feel motivated to overcome anything in our life. Thank you for being alive my friend!

Yogabhuvaneswari. U,
EIE, 3rd year

RESPECT OR RE-SPECT?

Nowadays, the word “Respect,” floats around me a lot; it is a broad term. Respect can be defined as, “A feeling of deep admiration for someone or something elicited by their abilities, qualities, or achievements.” Some say it's said when someone keeps doing something, I am not really sure either, it's obviously superior than love, probably a concept that exists at the most superior rank, out of all the superiors, isn't that called respect? Honestly, what, and why even is a “Respect”? I heard some say that, “respect” is something we have to earn. Admiration isn't an easy thing and it's of no need, When there's not even respect. In reality, People do talk about us behind our backs, since, it only takes a few minutes or even seconds to judge and put an estimation slip on a person. The “Perfection” we describe in this instance; in a character/person, is in itself an abstract idea and a human-made concept of in an attempt to make us all better. Rather one must continue to strive for self-improvement and personal development to the best of their abilities. Hence, “Respect”-the word cannot be said so easily .The weight and thickness of it is vague. Through defining the “Respect” with many variations of statements, it becomes complicated and so hard as we conclude it to think it over once before we respect someone. Similarly, we incline ourselves along with the path of uncertainty and we become more afraid of all the potential outcomes related to our flaws. The only solution to repair this meaning and stereotypical definition would be “Loving and Respect ourselves before others”. Maybe there is no solution. Perhaps this isn't the solution either. It's just that finding myself/yourself again doesn't need getting anyone else's approval; May be the “Re-spect” process to respect ourselves can be a first step towards our epiphany. I might put it this way as well-,"Re-spect" means as it sounds, to literally look again and again; by looking again and again and you'll see faults, but you still want to keep looking, despite of that and need that perfect belief towards someone. Unless, we define our own perfection, we may not find our own beautiful flaws and begin our journey towards acceptance.

“Lagom-neither excessive nor sparse, but looking, feeling and being in perfect balance” (Swedish).

TAMIL POETRY

வர்ணம் பல இஃந்தாஃம் வான் நிலஃக்ஃ ஈடாஃமா ...
ஆஃரம் பெண் இஃந்தாஃம் பெற்ற தாய்க்ஃ
ஈடாஃமா...

வாசd ல்லா மைழதஃ ளி மண்ணில் ேசரந்
ஃதஃ ம மணக்ஃதே....

இஃ மாயமா இல்லை மநஃ ரமா....
சாஃலேயாரம் ஃக்ஃம் ஃஃக்ஃ தனிமை
தாகம

ஃஃமா!

பட்டாம்ஃசஃஃ ன் ஆ y ளை வாங்
கத்தான வண்ணங்கள் தந்தாஃனா!

கஃத்த இரஃ கனஃக்ஃ மஃம் வண்ணங் கள்
தந்தவன் யாஃரா!

காஃத ஃக்கள் என்ஃம் மணக்காஃ என்ஃ
உணரந்ஃதவர் பலேர!

yஃஃபேபால பறந்தாஃம் நாஃம் மண்ஃணை
ஃசரேவாம் மைழயாய்!

D. HARINI, EIE-A,
Final year

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