

2022 - 2023

Vol no. 4 Issue no. 1



MITS

ECHO

BEST DEPARTMENT NEWSLETTER



About Us



The Department of Computer Science & Technology (CST) was established in the year 2018 and plays a vital role in producing value-based professionals to cater to the ever challenging needs of technical excellence in the emerging areas of CST. The department offers one UG program with an intake of 60 students and the intake was enhanced to 180 seats in the year 2019.

Department has adequate infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified and experienced faculty members with rich academic and industry exposure, who have pursued Masters/Ph.D degree from prestigious institutions like NITs, IITs, and Central Universities within India and abroad. Seminars, Workshops, and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies.

Department of Computer Science and Technology (CST) is consistent in its endeavors to facilitate students with all latest technical knowhow and current innovations as per the need of the industry so that they can take leverage of the same in respect to architect their career in much enduring way and come out with flying colours in the spectrum of life. In recent years, we have been successful to place majority of students in prominent companies like Microsoft, TCS, Wipro, Cognizant, NTT Data, Infosys, IBM, Global Logic, Nagarro, QA InfoTech, Torrent Power, Nucleus Software, NIIT Technologies, HCL Technologies, VVDN Tech. and many more esteemed brands.



Correspondent Message



WARM GREETINGS!!

I am delighted to share that the Department of Computer Science and Technology (CST) is coming up with the bi-annual Newsletter, ECHO, to showcase important Departmental events, achievements, activities, research and patent publications, Industrial/academical Interactions, Workshops, etc. of the CST department. Artistic sketches, Articles, Creative Corner and Poetry by the CST family have been included to highlight the diverse talent present within the department.

A section on Alumni with their messages shows our desire to keep our association with ex-students of the department alive and their industry-related advice shall help in shaping the mind of budding engineers of the department. Highlights of the Placement of students in an organization of repute have been included and are indicative of the goodwill of the Institute and the Department among prospective employers.

I congratulate the editorial team for their sincere effort to make this newsletter an informative document on our CST family's activities and varied talent. The editorial team has initiated something that will continue to help and guide present and upcoming students of the Department. Personally, I feel that students of MITS are equipped to set high standards and create an environment so that they excel in their areas of interest and accordingly guide more and more students of our institution, for the future.

We are committed to creating an ambiance for nurturing innovation, creativity, and excellence in our students. We aim to prepare young engineers to face the challenges of stiff competition by imparting high-quality technical education backed by appropriate training and wide exposure to state-of-art practices. Our educational programs stress all-around personality development and imbibing human values and professional ethics, which help our students become more humane and lead meaningful lives.

Best Wishes for the success and bright future of "ECHO".

**Dr. N. Vijaya Bhaskar Choudary, Ph.D.,
Secretary & Correspondent of the Academy.**



Principal Message

Warm greetings!!

I am happy to release the 2022-2023 issue of CST Department Newsletter –“ECHO”.

It gives me great pleasure to congratulate Students, Faculty and Staff of the CST department for the publication of the newsletter, enumerating the various departmental activities and achievements of our students and faculty during this semester.

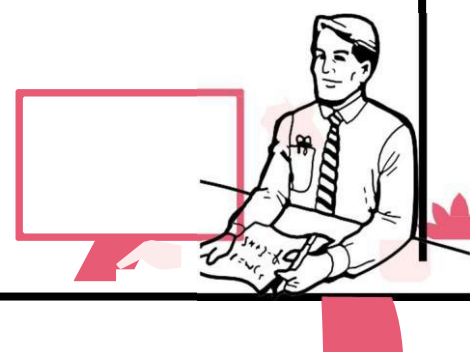


Technology is changing the way people think and it is crucial to address a variety of engineering and technological challenges, as a result, significant progress has been made in the field of Computer Science and Technology by integrating knowledge, based on theoretical and practical aspects. The Department of Computer Science and Technology makes an effort to enhance this field through its research and teaching. It gives me an immense pleasure that the Department of Computer Science and Technology is releasing the Newsletter for the year 2022-2023. The newsletter is a forum that brings out the best talent among the students and their multitalented skills which showcases their academic and extracurricular activities..

I wish the BEST OF LUCK to all the team members for the publication of ECHO.

Best Wishes ,

Principal
Dr. C. Yuvaraj



HoD's Message

Warm greetings!!

It gives me great pleasure to congratulate Students, Faculty and Staff of the CST department for the publication of the newsletter, enumerating the various departmental activities and achievements of our students and faculty during this semester.



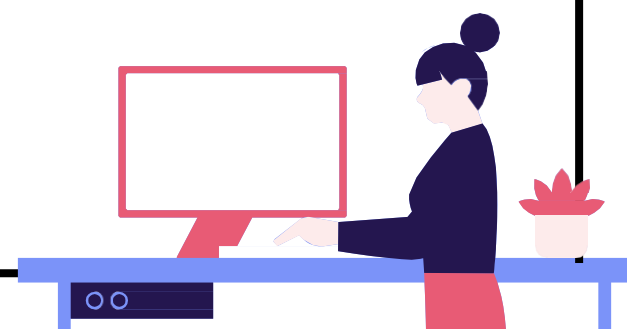
The Department endeavors to produce confident professionals capable of excelling in a real-time working environment. The Department offers a good academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of teamwork in them. This newsletter will motivate the faculty and students to come up with creative and innovative ideas that will help in their overall development.

I take this opportunity to congratulate our Editorial Board for their great effort to make this newsletter a reality.

I wish the BEST OF LUCK to all the team members for the publication of ECHO.

Best Wishes ,

Dr. Sreedevi
Professor and HoD
Department of CST



Editorial Board

Greetings from the Editorial Board!!!

I am pleased that the Academic year 2022-2023 issue of the Departmental newsletter is now ready to roll out with good coverage of the news that pertains to the CST department. There are several activities taking place on a regular basis that we have endeavored in our newsletter to provide in a capsule, staff and student achievements, industrial visits, FDPs and workshops, placement details, expert and Alumni talks, and events that are regular fixtures in our department. We also highlight the diverse talents present in our students and faculties and hope to motivate them positively through our newsletter. I would like to thank The Management of MITS, ~~The Correspondent~~ of the Academy, Dr. N. Vijaya Bhaskar Choudary, Principal, Dr. C. Yuvaraj, HOD, Dr. M. Sreedevi, and the student editors for their great effort to make this newsletter a significant publication. We welcome suggestions to improve our content.



Sincerely ,

Mr. N. Junnu babu
Assistant Professor
Department of CST

Editorial Team



SAI DEVIKA
4TH YEAR



MADHUMIDHAN
4TH YEAR



HYNDAHVI
3RD YEAR



NAGA PRANAY
3RD YEAR



SAI GANANIKA
3RD YEAR



JYOTHSNA
3RD YEAR



KIRANMAIE
2ND YEAR



Department Vision, Mission PEO & PSO

Vision

To bring forth globally competent engineers with societal consciousness, who thrive in academics and research in Computer Science and Technology.

Mission

- ♦ M1: To deliver technical education of the highest quality by improving the curriculum and using effective pedagogical techniques by qualified faculty.
- ♦ M2: To foster interaction between Industry and academia, to improve students' abilities in research, innovation, and entrepreneurship.
- ♦ M3: To prepare the students to become professionally competent and intellectually adept by imparting required skills to mitigate the societal problems.

Program Educational Objectives (PEO)

Graduate Will:

- ♦ PEO1: Graduates will have successful career by contributing for innovation of new technologies and systems in the key mains of Computer Science and Technology.
- ♦ PEO2: Graduates will be able to perform technical/ administrative roles in information technology industry / R&D sectors and pursue higher education in reputed institutions.
- ♦ PEO3: Graduates will be ethically and socially responsible towards societal development and entrepreneurs in Computer Science and Technology disciplines.

Program Specific Outcomes (PSO)

- ♦ PSO1: Ability to design algorithms using mathematical models and implement problems through different programming tools to solve real world problems.
- ♦ PSO2: Ability to apply Software Engineering Principles & Practices in the domain of compilers, Computer Networks, Operating Systems and allied areas, Mobile and web based applications under realistic constraints.
- ♦ PSO3: Ability to implement the principles and techniques of Artificial Intelligence and Machine Learning, IoT and Cloud Computing, Data Analytics & Security by applying them to develop intelligent systems and data-driven solutions.



Department Activities

SYMPOSIUM

ONE DAY NATIONAL LEVEL TECHNICAL SYMPOSIUM INVICTA'2K23 (01/04/2023)

Students successfully completed Technical Symposium by INVICTA '2K23' on the Department of Computer Science and Technology On 1st APRIL 22.



The Chief Guest for One day National Level Technical Symposium is our beloved, Dr. P.Ramanathan, Vice-Principal/Academics, He expressed his happiness by thanking the event organizers of the department of CST.

Symposium CD release for CST Department by Dr. Ramanathan, Vice-Principal/Academics, Dr. Basabi Chakraborty, Professor/ Dean Dr. Sreedevi, HOD/CST & Dr. K. Sree divya, AP/CST & Mr. V. Naveen, AP/CST Coordinator.



Dr. Basabi Chakraborty, Professor/Dean, CST, She shared join and use your brain to find out the way new ideas how we use technology in comfortable and development way. One more thing she added as like a request to the students your excitement not to be expressed in chatting and to be in thinking try to be a responsible person with your peers and with your passion and how you can develop the technology in more fruitful manner.



Dr.M.Sreedevi, HOD/CST, shared her happiness on inaugurating such symposium.



Department Activities

PAPER PRESENTATION

FACULTY COORDINATORS FOR PAPER PRESENTATION EVENT:

1. Dr.R.Rajakumar,AP/CST
2. Mr.Koppiseti Giridhar,AP/CST



THREE-LEVEL GAME

FACULTY COORDINATORS FOR PAPER PRESENTATION EVENT:

1. Mr. Abdul Jaleel, AP/CST
2. Mr. D. Ashok, AP/CST



Department Activities

CODE HUNT EVENT

FACULTY COORDINATORS FOR PAPER PRESENTATION EVENT:

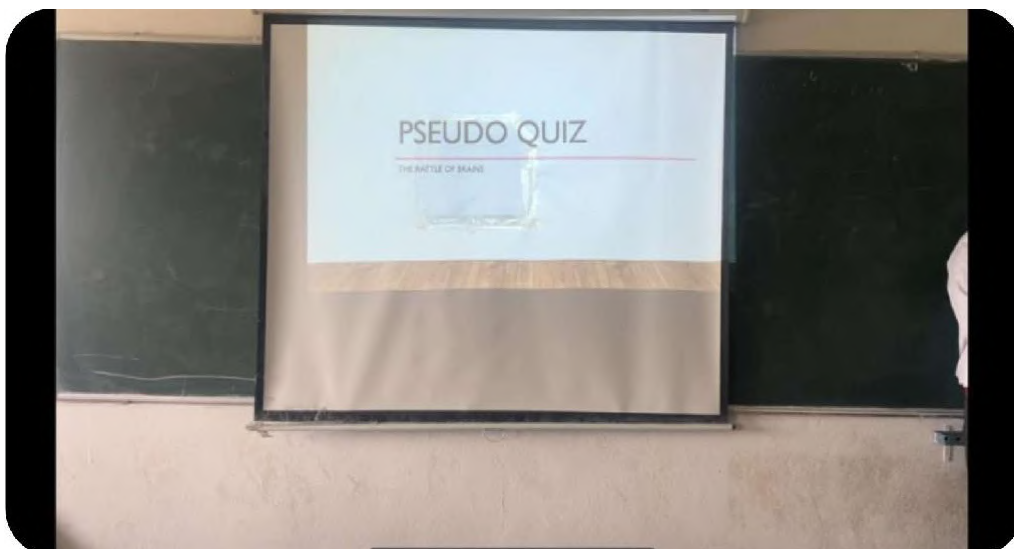
1. Mr. N.Magesh Kumar, AP/CST
2. Mr. Amit Arya, AP/CST



PSEUDO QUIZ EVENT

FACULTY COORDINATORS FOR PAPER PRESENTATION EVENT:

1. Dr.R.Manikandan, AP/CST
2. Mr.Lakshmi Ramana, AP/CST



Department Activities

PRIZE WINNERS OF THE EVENTS

S.No	Name of the student	Year/Branch	PRIZE	EVENT
1.	SYED ANEES P. MOHAMMED ISHAQ	III YEAR CSE(CSC)	1 ST	PAPER PRESENTATION
2.	C.SRAVANTHI	I YEAR CSE(CSC)	2 ND	
3.	V.DEEPIKA	III YEAR CSE(AI&ML),SVCET	3 RD	
4.	S.REDDY RENUKA	IV YEAR CST	1 ST	PSEUDO QUIZ
5.	B.THRISHA	II YEAR AI & DS	2 ND	
6.	GUMMAGATLA BHARATH REDDY	II YEAR CST	1 ST	CODE HUNT
7.	BHAGAVAN KALYAM	III YEAR ECE	1 ST	
8.	P.MANIKANTA REDDY	II YEAR ECE	1 ST	3-LEVEL GAME
9.	G.JAHNAVI	II YEAR ECE	1 ST	
10.	S.SHAHID	II YEAR CST	1 ST	
11.	RIHAKA			
12.	P.VENKATESH			
13.	D.VISHNNU VARDHAN REDDY	III YEAR CSE(CSC)	1 ST	SQUID
14.	K.VYSHNAVI	III YEAR CST-C	2 ND	
15.	B.BALAJI B.HEMANTH B.DIVYA B.SAIRAMREDDY	III YEAR CST-A III YEAR CST-A III YEAR CST-A (KRISHNAREDDY INTERMEDIATE)	1 ST	FREE FIRE & PUBG
16.	N.LAKSHMI RAVEEN B.DEVAN C.CHANDRA HEKAT C.DIWAKAR	I YEAR CSE(CSC) I YEAR CSE(AI) I YEAR ECE I YEAR ECE	1 ST	
17	B.ESWAR NAIK G.ASHOK REDDY J.REDDY PRASAD NAIDU	II YEAR AI & DS II YEAR CST III YEAR CST	1 ST	
18	D.GEETHIKA R.MOUNVITHA LAKSHMI S.MEHARUNNISA R.BHAVITHA	I YEAR CST I YEAR CSE(DS) II YEAR CST I YEAR CST	1 ST	TREASURE HUNT



Department Activities

Prize Distribution

The Chief Guest for Valedictory function is our honorable Vice principal/Administration Dr. C. Kamal Basha, Sir graced the occasion by distributing the Prizes and Certificates to the winners of INVICTA'23.

మిట్స్ లో ఘనంగా ఇన్విక్ట - 2023 జాతీయస్థాయి సాంకేతిక సింపోజియం - దేశవ్యాప్తంగా హాజరైన 250 మంది విద్యార్థులు

మదనపల్లె, ఏప్రిల్ 1 (కురుక్షేత్రం ప్రతినిధి): తెలుగు రాష్ట్రాలలో ఇంజనీరింగ్ విద్యలో ప్రత్యేక గుర్తింపు పొందిన అంగకు సమీపంలోని మదనపల్లె ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ సైన్స్ (మిట్స్) కళాశాలలో జాతీయస్థాయి సాంకేతిక సింపోజియం "ఇన్విక్ట - 2023"ని శనివారం ఘనంగా జరుపుకున్నారు. ఈ సందర్భంగా కళాశాల వైస్ చీఫ్ ప్రొఫెసర్ డాక్టర్ రామనాథన్ మాట్లాడుతూ విద్యార్థులు సూతన టెక్నాలజీపై దృష్టిపెట్టాలని, కంప్యూటర్ నెట్ వర్క్ లలో విద్యార్థులకు అపారమైన ఉద్యోగ అవకాశాలు ఉన్నాయని, డ్రోగ్రామింగ్ లాంగ్వేజీ అయిన పైథాన్, జావా, సి, సింఝం మొదలైనవి నిర్లక్ష్యం చేయకూడదన్నారు. ఇంటర్నెట్ నందు మనకు టెక్నాలజీపై ఎంతో సమాచారం ఉందని, ఎస్.పీ.టి. ఈ.ఎల్.కోర్సులూ, ఏడెక్స్ మొదలైన సంస్థలు ఆన్లైన్



ద్వారా సూతన టెక్నాలజీకి సంబంధించిన ఆన్లైన్ కోర్సులను అందించడమే కాకుండా, సర్టిఫికేట్లను కూడా అందజేస్తున్నారని, విద్యార్థులు వాటిపై అవగాహన పెంచుకోవాలన్నారు. అనంతరం డీన్ కంప్యూటర్ సైన్స్ అండ్ టెక్నాలజీ డాక్టర్ బసాబి చక్రబర్తి మాట్లాడుతూ ఈ జాతీయస్థాయి సాంకేతిక సింపోజియంకు దేశం నలుమూలల నుంచి సుమారు 250 మంది విద్యార్థులు టెక్నికల్ పేపర్ ప్రెజెంటేషన్ ఈవెంట్ లో పాల్గొనడానికి వచ్చారని, ముఖ్యంగా ఆర్టిఫిషియల్ ఇంటెలిజెన్స్, డేటా సైన్స్, నెట్ వర్క్ అనాలిసిస్, సైబర్ సెక్యూరిటీ, బిగ్ డేటా బ్లాక్ చైన్, ఇంటర్నెట్ ఆఫ్ థింగ్స్ మొదలైన కంప్యూటర్ సైన్స్ లోని విభిన్న డొమైన్లలో టెక్నికల్ పేపర్ నమర్చించారన్నారు. విభాగాధిపతి డాక్టర్ శ్రీదేవి మాట్లాడుతూ ఈ కార్యక్రమాన్ని నిర్వహించడానికి ప్రోత్సహించిన కళాశాల కరస్పాండంట్ డాక్టర్ ఎన్.విజయ భాస్కర్ చౌదరికి మరియు ఎగ్జిక్యూటివ్ డైరెక్టర్ కీర్తి నాదెళ్లకు కృతజ్ఞతలు తెలియజేశారు. ఈ కార్యక్రమంలో కన్వీనర్ డాక్టర్ శ్రీదీప్య విద్యార్థులు మరియు అధ్యాపకులు పాల్గొన్నారు.

Paper Clip



Industrial Interactions

Industrial visit to "LTIMindtree" Pvt. Ltd., Bangalore (08/06/2023)

The Batch of 6th Semester students of the Department of Computer Science and Technology along with faculty J.T. Drupad Varma, Placement Officer, Mr. N. Junnubabu & Ms. S. Kavi Priya visited 'Global Village Tech Park, Mysore Road Office, Bangalore. for an Industrial visit. This visit was mainly to understand the concepts of AI,ML Concepts, Meta Quest Pro, More Social VR and a Look Into the Future, New innovation technology.



Industrial Visit to "NLC India Limited, Neyveli" (02/06/2023)

The Batch of 6th Semester students of the Department of Computer Science and Technology along with faculty Dr.K.Dinesh, Mr.D.Suresh, Ms.Lakshmi B, Mrs. D.Raga Deepthi, Visited "NLC India Limited, Neyveli" on 02 Jun 2023.

Industrial Visit to "Acer India Private Limited, Pondicherry" (01/06/2023)

The batch of 6th Semester students of the Department of Computer Science and Technology along with faculty Dr.K.Dinesh ,Mr.D.Suresh, Ms.Lakshmi B, Mrs.D.Raga Deepthi Visited "Acer India Private Limited, Pondicherry" on 01 Jun 2023.



Industrial Visit to "U R Rao satellite Centre, Bengalor" (April 25, 2023)

The batch of 4th Semester students of the Department of Computer Science and Technology along with faculty Dr. K. Dinesh ,Dr. K. Sree Divya, Mr.D.Suresh, Ms.Devika C J Nair, Ms.Lakshmi B,Mr.Gowtham A, Visited "U R Rao satellite Centre, Bengalor" on April 25, 2023.



Academic Interactions

Seminar/Webinar/Guest Lecture

The Department of CST organized a One Day Guest Lecture on **"Teaching Learning Methods towards outcome based education"** during the 06/02/2023. The Session conducted by Dr.K .Sree Divya, AP/CST. The Speaker: Dr.S.Kishore Verma, Associate Professor, Department of Computer Science and Engineering, Sri Indu College of Engineering and Technology, Hyderabad.



The Department of CST organized a **Guest Lecture "Machine Learning using Orange"** during the 21.04.2023, conducted by Mr. M. Shankar, CST/MITS. The speaker for the session were Dr.S.Selvi, Professor & Head, Department of AI & DS, Builders Engineering College, Tirupur, Tamil Nadu.



The Department of CST organized a **Guest Lecture "AWS based Cloud Computing"** during the 22.02.2023. conducted by Mr. Koppiseti Giridhar, Mr. Junnubabu Noorbhasha, CST/MITS. The speakers for the session were Dr. Krishna Keerthi Chennam, Associate Professor/ CSE,Vasavi College of Engineering, Hyderabad.

The Department of CST organized a **Guest Lecture " Machine Learning And Its Applications "** during the 06/02/2023. The Session conducted by Mr .N. Prakash , Mr. V.Naveen ,CST/MITS. The speakers for the session were Dr. R. Balamurali, HOD/AP , IFHE(ICFAI Foundations for Higher Education).

The Department of CST organized a Guest Lecture on **"Emanate Tendency towards Data Science"** during the 06/02/2023. The Session conducted by Mr. Koppiseti Giridhar, Mr. Y. Ravi Raju, Mr. K. Bhanu rajeshnaidu . The Speaker : Dr.P.VV.V.S Srinivas, KL Deemed University ,Vijayawada, India.



The Department of CST organized a Webinar on "Challenges and Opportunities in IT Sector" conducted by **Dr. R. Manikandan, Mr.D.Abdul Jaleel**, on 09th Jan 2023.Speaker of the session were **Mr.G.SathishKumar** (Senior Manager at Ever north,USA) Applied Science vs Core Science,IT Sector in different lines of Business,IT Organization roles ,Challenges in IT Sector and career guidance for the students . To make the session interactive they made student experience how to overcome the Challenges in IT Sector.

The Department of Computer Science and Technology of MITS organized a Guest Lecture on **"Benefits of IEEE Membership – an awareness program for the students"** for 2nd 3RD & 4TH Year students. Dr.Basabi Chakraborty/DEAN (School Computer's) took the session on 01.02.2023 .



Academic Interactions

Seminar/Webinar/Guest Lecture



The Department of CST organized a Guest Lecture on "**Linux and Databases**" conducted by **Mr.Ashok Dasari, Assistant Professor,, Mr.D.Suresh,, Assistant Professor** on 07th Jan 2023.The total number of III CST students were 75 an some images for this program .

The Speaker : **Ms.Indupriya** Aluru

The Department of CST organized a Webinar "**Designing Scalable SaaS Applications: Architecture and Best Practices**" conducted by **Mr.Serin V Simpson, AP/CST**, on 24.12.2022 .Speaker of the session were **Mr.Noah (J) Franklin,Regional Appsec Delivery Leader,Tech Mahindra, Chennai.**



The Department of CST organized a Webinar on "**Connecting the Physical World on Leveraging IOT for Real-Time Data**" conducted by **Mr. Y. Ravi Raju, AP/CST**, on 03.12.2022 .Speaker of the session **Dr.D.Udaya Suriya Rajkumar ,Professor,Global Institute of Engineering & Technology, Tamilnadu.**

The Department of CST organized a Guest Lecture on "**Dockers & Kubernates-Art of Micro services**" conducted by **Mr.Ashok Dasari, Assistant Professor, Mr.D.Suresh, Assistant Professor** on 19th Nov 2022.The total number of II CST students were 75 and some images for this program .The Speaker :**Mr.G.Gunanidhi, Production Analyst,J P Morgan Chase & Co.**

The Department of CST organized a Webinar "**Empowering Scalable solutions : AWS for Cloud Infrastructure and Services** " conducted by **Dr.S.Shanthi, Sr.AP/CST**, on 26.10.2022 .Speaker of the session were **C.Abdul Hakeem College of Engineering and Technology, Melvishram, Vellore.**



The Department of CST organized a Guest Lecture on "**Exploring the Frontiers of AI:GPT for Early Adopters**" conducted by **Dr.N.Praveena, Assistant Professor** on 16.09.2022.The Speaker : **Dr.S.Sathya ,Associate Professor, GRT Institute of Engineering and Technology,Tamilnadu**

The Department of CST organized a Guest Lecture on "**Building the Future :Full-Stack Development For Web Applications**" conducted by **Mr.D.Suresh, Assistant Professor** on 30.09.2022. The Speaker : **Dr.J.Sairabanu,Associate Professor,Department of Information Security, VIT University, Vellore.**



Academic Interactions

Seminar/Webinar/Guest Lecture



Guest Lecture on "Career Guidance" (7/9/22)

The Department of CST organized a Webinar on " **Career Guidance** " conducted by **Dr.K.Dinesh, Assoc. Professor /CST/MITS** , on 07.09.2022 . Speaker of the session were **Ms.Pramoda Martha,(MS),Concordia University, Canada**

Guest Lecture on "Crafting Mobile Experiences with Mobile Application Development" (26.08.2022)

The Department of CST organized a Guest Lecture on "**Crafting Mobile Experiences with Mobile Application Development**" conducted by **Mr.M.Shankar ,AP /CST /MITS** , on 26.08.2022 . Speaker of the session were **Dr.Gokula Krishnan Sivanandham, Assistant Professor, CSE, Presidency University, Bangalore, Karnataka.**

Guest Lecture on "Revolutionizing Software Development on Event-Driven Micro services Architecture"(12.08.2022)

The Department of CST organized a Guest Lecture on "**Revolutionizing Software Development on Event-Driven Micro services Architecture**" conducted by **Dr. R. Manikandan, AP/CST** , on 12.08.2022 . Speaker of the session were **Dr.R.Rajkumar,Professor,School of Computer Science and Engineering, VIT University, Vellore.**

Seminar on Research & Internship Opportunities in India and Abroad (16.07.2022)

The Department of Computer Science & Technology organized Internal seminar titled "**Research & Internship Opportunities in Abroad**" for II Year students to gain knowledge and awareness on "What is meant by Research and How become a researcher?" and worldwide Internship opportunities.

The students were moreover passionate to know about what is meant by research and how to perform the effective research and how to grab the internship opportunities through research. The speaker for the session were **Dr. R. Raja Kumar, Associate Professor/Research Coordinator Department of CST, MITS**



Academic Interactions

Professional Development/Workshop's

Workshop on "Robotic in UIRPA Club"(04.01.2023)

One Day Workshop on "Robotic in UIRPA Club" in association with CST Department, MITS From **04** Jan 2023, the session was conducted by Mr. P. Firoze Khan.

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)

Workshop on Robotic

EVENTS

Event date
4th
January
2023

Drawing Competition **Class on Automation** **3 level quiz**

Join us and see you in different world

Faculty co-ordinator:
Firoze Khan P, Asst. Professor - CST

Student co-ordinator :

Seminar Time:

The event began with a lighting and pooja ceremony by **Dr. P. Ramanathan Vice principal Academics**, **Mrs. Vijaya Lakshmi** Coordinator International relations & Counsellor , **Dr. K. Dinesh** Assistant professor of CST Department, **Mr. P. Firoze Khan** Assistant professor of CST department along with some Students. And a prayer sung by R. Kalyani from CST-II Year B.Tech.



Then speech by Dr. P. Ramanathan sir, Vice principal. Sir spoke about the importance of learning present technology and making best usage of these skills in the fields of freelancing and cheered students to follow up the club activities and given his best wishes to the club. Sir expressed his thoughts about present technology is growing day by day and encouraged everyone to learn more by his valuable words.



Academic Interactions

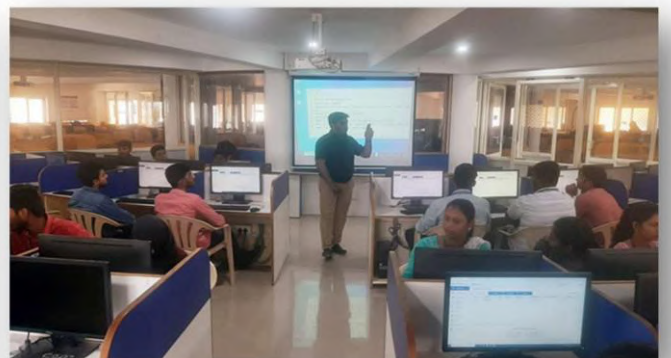
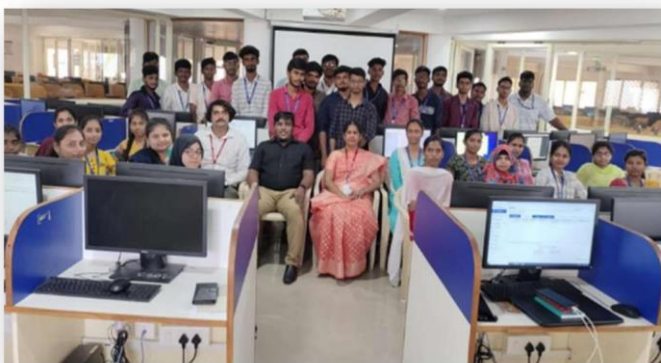
Professional Development/Workshop's

Workshop on "Real Time Cyber Security solutions"(19.11.2022)

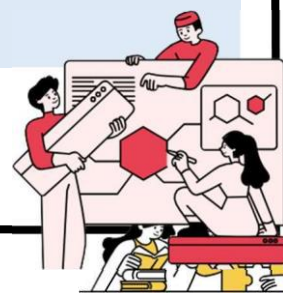
Department of Computer Science & Technology organized a one-day workshop on real time cyber security solutions on 19.11.2022. The program started at 10.00 a.m. Dr.S.Padma coordinator of the program, gave a short note on the importance of the workshop. Dr M.Sreedevi, Professor and Head, Dept of CST welcomed the gathering. **Dr.Basabi Chakraborty, Dean**, Dept of CST felicitated the gathering. **Dr.P.Ramanathan, Vice Principal** delivered the presidential address. **Mr.V.Naveen, Co-cordinator** of the program introduced the resource person. **Mr.Adhiyaman Thulasiraman** delivered few words regarding job opportunities in the cyber security area. The students of II- and III-year cyber security and III CST were assembled in the Seminar Hall - A for this workshop.



In the morning session the basics of cyber security, cryptography, digital signatures, Public Key Infrastructure and Intrusion detection. He also explained how the certificate root work and the authentication of certificates at various levels. Students Attended for the Workshop: 130



The afternoon session of the workshop was held at LAB 09. A hands-on session was given to the students. The resource person guided the students to execute and develop short code for solving cyber security issues.



Academic Interactions

Professional Development/Workshop's

One Day Awareness & Professional Development Programme on "Cyber Security" (20.10.2022)

The Department of Department Of CST & CSE (CYBER SECURITY) of MITS organized a Professional Development Programme on Cyber Security on 20/10/2022. The session was extremely informative and skill-building. Around 150 CST & CSE (Cyber Security), CSE students from the 2nd, 3rd, and 4th years of the CSE(CS) & CST department attended the session.



Prize Winners

SL.NO	Name of the student	Year/Branch	Event	Prize
1.	Mr.G. Sankar Sai Nanda	III YR CSC	PRESENTATION & IMPLEMENTATION	I
2.	Mr.K.Johari	III YR CSC		II
3.	Mr.Anees.S, Mr.FaizalAhamed.S, Ms.T.Misbha, Mr.P.MohammadIshaq, Mr.S.MohammedSuhail, Mr.D.Umar khan	III YR CSC		III
4.	Ms.C.Indhuprasanna	III YR CST-B	QUIZ	I
5.	Ms.A.Kalpana	II YR CSC		II
6.	Ms.G.Monika	III YR CSE		III
7.	Ms.G.Monika	III YR CSE	POSTER PRESENTATION	I
8.	Ms.M.Mounika	II YR ECE		II



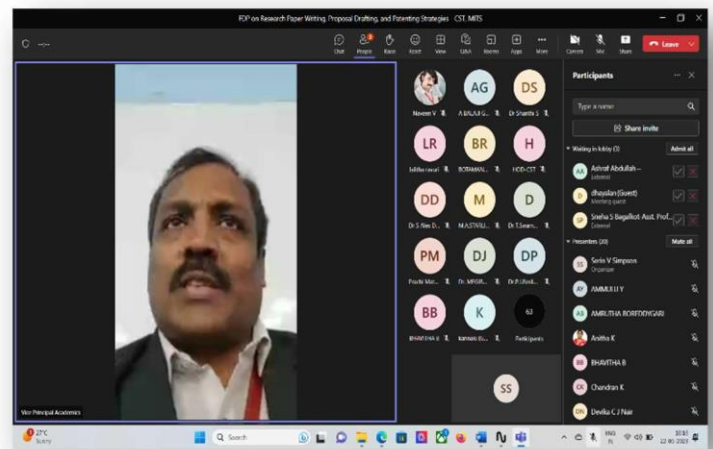
Academic Interactions

Faculty Development Programme

One Week Online Faculty Development Programme on "Research Paper writing, Proposal Drafting and Patenting Strategies" (22.05.2023 to 28.05.2023)

The One-week Online Faculty Development Programme (FDP) on "Research Paper Writing, Proposal Drafting, and Patenting Strategies" was organized by the Department of Computer Science & Technology. The program aimed to enhance the skills and knowledge of faculty members, research scholars, and industry professionals in patent drafting, patent filing, research proposal writing, and research paper writing. The FDP consisted of expert lectures, interactive sessions, and practical exercises to provide participants with a comprehensive understanding of these important aspects, and Attendance: 140 participants (External).

The image shows the FDP registration form and organizational chart. The registration form includes details for three days of sessions: Day 1 (10:30 AM to 12:00 PM & 4:00 PM to 8:00 PM), Day 2 (10:30 AM to 12:00 PM & 4:00 PM to 6:00 PM), and Day 3 (10:30 AM to 12:00 PM & 2:00 PM to 3:30 PM). It lists resource persons: Dr. A. Balaji Ganesh, Ph.D., Dr. Varun G. Meera, and Dr. Mainak Adhikari. The organizational chart lists the Chief Patron (Dr. N. Vijaya Bhaskara Choudary), Patron (Mrs. Keerthi Nadella), Program Chair (Dr. C. Yuvraj), Co-Chairs (Dr. Basabi Chakraborty and Dr. M. Sreedevi), and Coordinators (Dr. S. Shanthi, Mr. Serin V. Simpson, and Mr. V. Naveen, M.E.). It also includes the logo of Madanapalle Institute of Technology & Science (MITS) and the website www.mits.ac.in.



Essentials of IPR for a Startup Perspective Emphasizes on Learning Patent (22.5.2023) (Session 1 & 2)

Dr. A. Balaji Ganesh, Ph.D., Dean (Research), Velammal Engineering College, Chennai, conducted the first session. This session focused on providing an overview of intellectual property rights, with a specific emphasis on the importance of IPR for startups.



Advanced Research Proposal Writing Techniques (27.5.2023) (Session 1 & 2)



The sixth and final day of the FDP, held on 27th May 2023, focused on advanced topics in research proposal writing. The sessions were again conducted by Dr. Mainak Adhikari, Assistant Professor, Department of Computer Science, IIIT Lucknow.



Academic Interactions

Faculty Development Programme

Five Days Online Faculty Development Programme on "Emerging Trends and Technologies in Cyber Security" (November 14 to November 18, 2022)

A five-day virtual online faculty development programme on "Emerging Trends and Technologies in Cyber Security" was held from November 14 to November 18, 2022. The workshop was attended by more than 150 participants from different engineering colleges, universities, business professionals, and academics across the nation.

Resource Person:

1. Dr. N. Sreenath, Professor/CSE Puducherry Technological University, Puducherry.
2. Dr. J.I. Sheeba, Asst. Professor / CSE Puducherry Technological University,
3. Dr.S.Geetha,Asst. Professor / Banking Technology Pondicherry University, Puducherry.
4. Mr.Dinesh Parathangal CEO, Hackup Technology Pvt. Ltd. Coimbatore
5. Mr.K.VijayKumar, Wing Commander, Indian Air Force, New Delhi.

About the College
Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 25.72 acre campus on Madanapalle-Arattupur Highway (NH-25) near Anguluru, about 20km away from Madanapalle.

About the Department
The Department of Computer Science & Technology (CST) was established in the year 2018 and plays a vital role in producing value-based professionals to cater to the ever-changing needs of technical education in the emerging areas of CST. The department offers one UG program with an intake of 60 students and the intake was enhanced to 180 seats in the year 2019. Department has adequate infrastructural facilities, required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry, imparting high quality education & supported by well qualified and experienced faculty members with rich academic and industry exposure, who have pursued Master/PhD degrees from prestigious institutions like IITs, IIS, and Central Universities within India and abroad. Seminars, Workshops, and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies.

Organizing Committee

Chair Person Dr. N. Vijaya Bhaskar Chettyar, Ph.D., Secretary & Correspondent	Patron Ms. Sangeetha Nandini, Director/Dean
Program Chair Dr. C. Karanji, Principal	Co-Chair Dr. M. Sreedevi, Professor, HOD / CSE & CEC
Convener Dr. N. Praveena, Assistant Professor/CSE	Co-Convener Dr. M. Rajaguru Kumar, Asst. Professor/CSE

Five – Days Online Faculty Development Programme On "Emerging Trends and Technologies in Cyber Security" From 14-11-2022 to 18-11-2022
Department of Computer Science & Technology

Resource Person	About the Program	Fee Registration
Day-1 Introduction to Cyber Security & Cyber Crime Dr. N. Sreenath, Professor / CSE, Puducherry Technological University, Puducherry.	Day-1 During the unprecedented times of pandemic, the sudden shift to go digital increased, with the increasing adoption and usage of Internet and enabled services Cyber attacks are huge danger to organizations, employees and consumers. Awareness about threat of cyber attacks and effective cyber security solutions are need of the hour. Cyber security deals with the state of being protected against criminal and unauthorized use of electronic data. A strong cyber security system reduces risk of cyber attacks and protects organizations and individuals digital presence. If companies are looking for solid insurance to develop flexible and scalable solutions of cyber threat and attack.	Fee Registration Form: https://forms.office.com/r/AnKa8fAMXk *Minimal Registration Fee: Rs.200/- QR Code UPI ID: praveenanarayanan.8@okicdcbank Dr. Praveena Narayanan praveenanarayanan.8@gmail.com +91 80549 45927 Scan my QR code to pay
Day-2 Security Issues in Social Networks (Cyber Bully) Dr. J.I. Sheeba, Assistant Professor / CSE, Puducherry Technological University, Puducherry.	Day-2 The aim of this FDP is to promote awareness of cyber security, applications of cyber security and team skills required for the Cyber security profession and research dimensions. The sessions include security issues, make faculties understand importance of these aspects in real life scenarios and practice tools required for cyber security. It also familiarizes faculties with various laws related to cyber security and cybercrimes.	
Day-3 Trends & Application in Cyber Security (Banking) Dr. S. Geetha, Assistant Professor / Banking Technology, Pondicherry University, Puducherry.	Day-3 The faculty members of the UGC / AICTE recognized Universities and Engineering College, Research centers, Industry (Business) / Technicians / Participants from industry etc.	
Day-4 Cyber Crime and Digital Forensics Mr. J. Dinesh, CEO, Hackup Technology Pvt. Ltd, Cyber Security Expert, Coimbatore.	Day-4 Challenges and Cyber Risks in Aviation Mr. K. VijayKumar, Wing Commander, Indian Air Force, New Delhi.	
Day-5 Challenges and Cyber Risks in Aviation Mr. K. VijayKumar, Wing Commander, Indian Air Force, New Delhi.	Day-5 Challenges and Cyber Risks in Aviation Mr. K. VijayKumar, Wing Commander, Indian Air Force, New Delhi.	
Day-5 Challenges and Cyber Risks in Aviation Mr. K. VijayKumar, Wing Commander, Indian Air Force, New Delhi.	Day-5 Challenges and Cyber Risks in Aviation Mr. K. VijayKumar, Wing Commander, Indian Air Force, New Delhi.	

Session pickers.



Publications

- Rajeswari Muniyan, Rajakumar Ramalingam ,Sultan S. Alshamrani ,Durgaprasad Gangodkar,Ankur Dumka,Rajesh Singh ,Anita Gehlot,and Mamoon Rashid, Artificial Bee Colony Algorithm with Nelder–Mead Method to Solve Nurse Scheduling Problem. Mathematics, Volume–10, Issue–5. <https://doi.org/10.3390/math10152576>.
- Rajakumar R,Muniyan R, Dumka A, Singh DP, Mohamed HG, Singh R, Anand D, Noya Routing Protocol for MANET based on QoS–aware Service Composition with Dynamic Secured Broker Selection. Electronics, Volume–11, Issue–17. <https://doi.org/10.3390/electronics11172637>
- Rajakumar R, Dinesh.K, Balakrishnan A, Rashid M, Dumka A, Afifi A, Hybrid Opposition – Based Learning with Gray Wolf Optimization Based Clustering Technique in Wireless Sensor Networks.Electronics,Volume–11,Issue–16, <https://doi.org/10.3390/electronics11162593>.
- Thirugnanasambam K., Raja Kumar R, Mohan D., Rashid M., Juneja K. and Alshamrani S.Patron–Prophet Artificial Bee Colony Algorithm for Continuous Optimization. Axioms,Volume 11 Issue 10, [10.3390/axioms11100523](https://doi.org/10.3390/axioms11100523)
- Shankar M. Veena Prasad, Shikha Maheshwari, and Yashi Srivastava Analyzing the Contribution of Digital Apps in the Food Delivery Systems Telematique ESCI /Scopus <https://www.provinciajournal.com/index.php/telematique/article/view/312>
- Rajakumar R,Dinesh.k, Alshamrani, S.S., Rashid, M., Mathumohan, S. and Dumka, A Oppositional Pigeon Inspired Optimizer for Solving Non–Convex Economic Load Dispatch Problem in Power Systems.Mathematics, <https://doi.org/10.3390/electronics11162593>
- Padma S. Sreekanth Reddy. B. Regression based Machine Learning Model to Predict IPL Score after Power Play Journal of Algebraic Statistics WOS <https://www.publishoa.com/index.php/journal/article/view/139>
- Shanthi S. Saradha, S.,Smitha, J.A., Prasath, N. and Anandakumar, An efficient automatic brain tumor classification using optimized hybrid deep neural network International journal of intelligent networks . Scopus/<https://doi.org/10.1016/j.ijin.20>
- **Shanthi S.** Saradha S, Prasath, N. Hybrid TABU search with SDS based feature selection for lung cancer prediction International journal of intelligent networks Scopus/ESCI <https://doi.org/10.1016/j.ijin>.
- Akshaya, V.S., **Shanthi S.** , Smitha, J.A. and Bommy, M Optimized Routing on Wireless Body Sensor Network Using Adaptive Lion Optimization Algorithm for IoT International Journal of Electrical and electronics Engineering <https://doi.org/10.1016/j.ijin>.
- Kuppusamy, P., Kumari, N.M.J., Alghamdi, W.Y., Alyami, Rajakumar.R, H., Javed, A.R. and Rashid, M Job scheduling problem in the fog cloud based environment using reinforced social spider optimization Journal of cloud computing ,<https://doi.org/10.1186/s13677-022-00380-9>



Publications

- Manikandan Rajagopal, Buradagunta, S., Almeshari, M., Alzamil, Y., Ramalingam, R. and Ravi, V An Efficient Framework to Detect Intracranial Hemorrhage Using Hybrid Deep Neural Networks Brain sciences <https://doi.org/10.3390/brainsci13030400>
- Sethuraman SK, Malaiyappan N, Rajakumar R, Basheer S, RashidM, Ahmad N Predicting Alzheimer's Disease Using Deep Neuro-Functional Networks with Resting-State fMRI ,Electronics, <https://doi.org/10.3390/electronics12041031>.
- N.Praveena, Kapil Juneja, Mamoon Rashid, Alaa omran, Kaushik sekaran, rajakumar ramalingam, muhammad Usman Hybrid gated recurrent unit and coventional neural network based deep learning mechanism for efficient shilling attack detection in social networks Computers and electrical engineering ,10.1016/j.compeleceng.2023.108673
- Santosh Kumar Henge, Gitanjali Jayaraman, M Sreedevi , R Rajakumar, Mamoon Rashid, Sultan S. Alshamrani, Mrim M. Alnfaii and Ahmed Saeed AlGhamdi Secure keys data distribution based user- storage-transit server authentication process model using mathematical post- quantum cryptography methodology Networks and Heterogeneous Media, 10.3934/nhm.2023057
- Muniyan Rajeswari, Rajakumar R. ,ShakilaBasheer,KeerthiSamhithaBabu Mamoon Rashid and Ramar Saranya"Multi-Objective ABC- NMAAlgorithmforMulti -Dimensional Combinatorial OptimizationProblem" Axioms SCIE 1.824 <https://doi.org/10.3390/axioms120403>
- Ashis Kumar Mandal,Rikta Sen, Basabi Chakraborty "Quantum-Inspired Owl Search Algorithm with Ensembles of Filter Methods for Gene Subset Selection from Microarray Data"International Journal of Pattern Recognition and Artificial Intelligence ,10.1142/S0218001423510011
- Ryo Oikawa,Akio Doi1, Masaru Ishid, Basabi Chakraborty " Automatic detection and visualization system for coronary artery calcification using optical frequency domain imaging Artificial Life and Robotics" 10.1007/s10015-023-00854



Conferences

SNO.	Faculty Name	Paper Title	Conferences/ Book Chapters and Other Journals
1	Dr Rajakumar R	A review on Machine Learning based IDS approaches in Wireless sensor networks	ICACCS-2023
2	Mr. V. Naveen	The Current State of Software Engineering Employing Methods Derived from Artificial Intelligence and Outstanding Challenges	(IEEE-IHCSP)-2023
3	Dr.Praveena.N	Design of Secure QR Payment using Visual Cryptography Method	ICCCI-2023
4	Dr.Praveena.N	Generic Algorithm for Controlling an Eye-Ball Based Cursor System	ICACRS-2022
5	Mr.Bhanu Rajesh Naidu	An Hybrid Authentication Mechanism for Cloud Server to Enhance the Computational Efficiency	ICERECT- 22-23
6	Mr.Junnu Babu N	A review on Maching Learning and Deep Learning Methods to Fortify Cyberspace	ICCST- 22-23

Journal Reviewers

S.NO	Faculty Name	Year	Name of the Journal
1	Dr.R.Rajakumar	05-04-2023	International Conference on Data Science and Communication(ICTDsC 2023)
2	Mr. N. Magesh Kumar	03-04-2023	IEEE Systems Journal
3	Mr. N. Magesh Kumar	03-04-2023	AUTOMATIKA: Journal for control, Measurement, Electronic, Computing & Communications
4	Dr. K. Dinesh	02-02-2023	Journal of Super Computing.
5	Mr. Serin V Simpson	11-12-2022	SN Computer Science
6	Dr.R.Rajakumar	25-12-2022	International Journal of Data Informatics and Intelligent Computing(IJDIIC)



Student Achievements

S.No	Student Name	Year	Venue	Date	Title of the Event	Participated / Prize
1.	1. N. Leela Madhuri, 2. M. Jyothi, 3. A. Pavithra Bai, 4. M. Manjunath, 5. K. Gowthami	IV	Journal Publication	June - 2022	Image Classification for Rice varieties using Deep Learning Models	YMER ISSN : 0044-0477
2.	Jyothi G	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
3.	Gayathri N G	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
4.	Keerthi B	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
5.	Jyothi Priya B	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
6.	Sreeja A	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
7.	Udar Kiran Reddy B	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
8.	Sravan Kumar G	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
9.	Shafiya Kousar M S	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
10.	Dinesh P	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
11.	Akhil S	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
12.	Bhanu Prakash Reddy M	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
13.	Keerthana C	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
14.	Dileep M	IV	CHRIST THE KING Engineering College	6 th & 7 th May 2023	International Conference	Paper Presented
15.	Surya Teja K	IV	Nehru Group of Institutions, Kerala	27 th & 29 th April 2023	International Conference	Paper Presented
16.	Sai Neha B	IV	Nehru Group of Institutions, Kerala	27 th & 29 th April 2023	International Conference	Paper Presented
17.	Sai RangaReddy S	IV	Nehru Group of Institutions	27 th & 29 th April 2023	International Conference	Paper Presented

Student Achievements

S.No	Student Name	Year	Venue	Date	Title of the Event	Participated / Prize
18.	6. Reddy Deepika	III	JNTAU College of Engineering, Kalikiri	2 - 3 June, 2022	Workshop	Participation
19.	Sai Dharshan	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
20.	Vamsi Krishna	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
21.	S N Mohammed Hayath	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
22.	G Bhanu Prakash	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
23.	K V Dheeraj Kumar	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
24.	Thondamalla Sneha	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
25.	Sayyad Sadiya	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
26.	G Rohitha	III	360DigiTMG SkillNext / MITS	25.06.2022	3 Days Workshop	Participation
27.	R Siva Subramanyam	III	Hacking Flix	17.09.2022	Online Workshop	Participation
28.	Y Vishal	III	Hacking Flix	17.09.2022	Online Workshop	Participation
29.	C Vyshnavi	III	Hacking Flix	19.09.2022	Online Workshop	Participation
30.	K Vamsi Krishna	III	Hacking Flix	19.09.2022	Online Workshop	Participation
31.	P Thriveni	III	Hacking Flix	19.09.2022	Online Workshop	Participation
32.	R Yaswanth Reddy	III	Hacking Flix	19.09.2022	Online Workshop	Participation
33.	V Kalyan	III	Hacking Flix	20.09.2022	Online Workshop	Participation
34.	R N Yakshith Sai	III	IIIT, Kottayam Kerala	01.08.2022	National Webinar	Participation
35.	S N Mohammed Hayath	III	Dept of CSE, MITS - ISTE	26.10.2022	International webinar	Participation