



ST. MARTIN'S ENGINEERING COLLEGE



UGC - AUTONOMOUS



EAMCET/ICET CODE: MRTN

ARIIA
STATE BANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS



#INCLUDE

<NEWSLETTER.IT >

Volume-1

Version-1 July'22

Cover Page

**DEPARTMENT
OF
INFORMATION TECHNOLOGY**



St. Martin's Engineering College

JULY-2022

www.smec.ac.in



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PRINCIPAL



Dr. P. Santosh Kumar Patra

It gives me a great pleasure that the Department of INFORMATION TECHNOLOGY has come a long way as it was established in the year 2007 with an intake of 60, and subsequently it increased to an intake of 180 in the A.Y. 2020-2021. The #INCLUDE <NEWSLETTER.IT> has been introduced, and I am very much looking forward to reading it. Under Dr. R. Nagaraju's direction, the department has advanced significantly. I congratulate the IT Department for achieving 100% placement, conducting 4 FDPs, 4 workshops, and 2 conferences in this academic year (2022-2022). This academic year Department of IT conducted 1 Guest Lecture, 1 webinar, 1 MOU and 1 Technical seminar in online and offline modes. Various research papers were published by the faculties and students in a several National and International journals which includes UGC Care, Scopus, SCI & IEEE. The Department has been awarded " CERTIFICATION OF APPRECIATION " for organizing more number of Technical events in 2022.



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HOD - IT



Dr. R. Nagaraju

A very warm welcome to our IT Newsletter. It gives me immense joy to convey to you all that our Department, which has been around for more than 15 years, recently launched a newsletter, which has propelled our Department to new heights. It is a great platform for our students and faculties to showcase their achievements and skills, where they can publish their curricular and co-curricular activities and achievements.

I hope that by reading this, we can all learn something from it and can demonstrate the abilities of our Department.

BEST OF LUCK.

Greetings

Highlights

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FACULTY



Dr. N Krishnaiah
-Professor

We are extremely happy to be releasing the quarterly newsletter. It is a matter of great pride and satisfaction to bring out the newsletter. This is the first edition of the newsletter that report the significant activities carried out by the students, faculty members, and alumni in the areas of teaching and learning, research and development, and industry interaction. In SMEC, excellence is embedded in everything we do right, from teaching and learning to research and development. I appreciate the efforts put in by the editorial board, faculty members, and students to bring out the newsletter.

I'm Srikar Thoduponoori graduated from St. Martin's Engineering College of batch 2017-2021. I got placed into WIPRO as a Project Engineer. My stream in Bachelor's in Information Technology was the best experience for me with the department, where they have furnished me with good knowledge of the IT industry and academics. With immense support and encouragement from our Principal, department HOD and faculty members I reached this extent.

The IT department faculty has created awareness among students about upcoming latest technologies in the form of Webinars and Online Workshops during the COVID pandemic period was noticeable, through which we have gained knowledge.

ALUMNI

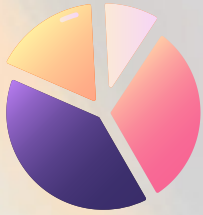


T. Srikar (6.5 LPA)
-Alumni

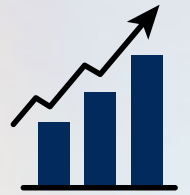


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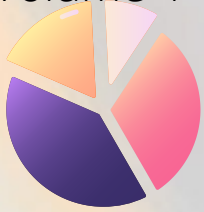


HIGHLIGHTS

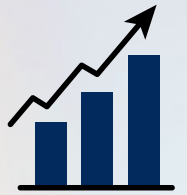


PLACEMENTS

S.no	Company Name	Package	No.of.Students
1.	BYJU'S	10LPA	1
2.	MAQ Software	8LPA	1
3.	Cotiviti	8LPA	1
4.	TCS	7LPA	1
5.	Accenture	6.5LPA	3
6.	Hitachi Vantara	6.5LPA	1
7.	Pacteraedge	5.0LPA	2
8.	Pramati Technologies	5.0LPA	1
9.	Accenture	4.5LPA	7
10.	Cognizant	4.25LPA	1
11.	HCL	4.25LPA	3
12.	Cognizant	4.00LPA	14
13.	CAPGEMINI	4.00LPA	3
14.	Zensor	4.00LPA	2
15.	MindTree	4.00LPA	1
16.	Hexaware	4.00LPA	1
17.	Birlasoft	4.00LPA	1
18.	Zelf Studie	3.60LPA	11
19.	Infosys	3.60LPA	6
20.	Wipro	3.50LPA	14
21.	Qspiders	3.50LPA	2
22.	Atos	3.40LPA	1
23.	TCS	3.36LPA	5
24.	Mphasis	3.25LPA	5
25.	CSS Corp	3.20LPA	1
26.	Altruist Technology	2.50LPA	4



STUDENT'S PLACEMENTS



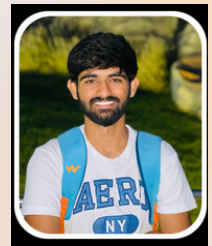
Byju's (10 LPA)

I got placed in BYJU'S. It comes as a result of the work our faculty members and training and placement cell put in. They helped me seize the first opportunity of my career, and for that, I am truly grateful to them.

K.Mohan Adiya

MAQ S/W (8 LPA)

I owe a great deal of gratitude to my college for helping me secure a position at MAQ Software. I would like to thank the instructors and our placement cell for providing me with the assistance I needed to succeed.



G.Harshith Reddy

Cotiviti (8 LPA)



For their efforts in providing exceptional technical and aptitude training, the Training & Placement Department and all the faculties at my institution have my sincere gratitude and respect. I owe them an unpayable debt for their outstanding assistance in helping me begin my career at Cotiviti.

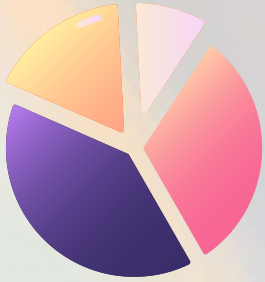
Noothi Chakravarthi

Accenture (6.5 LPA)

I would like to thank my IT faculty and the Placement Department for advising and mentoring me during the placement process by offering high-quality training and assisting me in presenting my best to a reputable software development firm, Accenture.



Vijetha Chowdary



STUDENT'S PLACEMENTS

THIRD YEARS



We congratulate students from our department for getting placed in their 3rd year of academics!

Axiom IO (6 LPA)



Yashwanth

I appreciate my college for assisting students in getting placed early in their academic careers, and I am grateful to both my faculty and the Placement Cell for assisting me in getting placed at Axiom IO. This early success of mine has skyrocketed my confidence, and I'm looking forward to all the other exciting things my college has to offer in my senior year.

Axiom IO (6 LPA)

I was extremely fortunate to be able to put my skills to the test early in my career, thanks to the efforts put forth by my college's placement cell in bringing placement opportunities during our junior year. I am grateful to my college and faculty for providing quality training, which helped me land my first position at Axiom IO.



Sunil M



Merits



VIJETHA CHOWDARY

18K81A1231



**3rd place in
Academics
College level**



**1st place
in Academics
IV year**



B.MANASA YADAV

18K81A1206



**2nd place in
Academics-IV year**

Merits

1st place in Academics-III year

**K.ROOPIKA**

19K81A1219



2nd place in Academics-III year

**P.MINISHA**

19K81A1237



1st place in Academics-II year

**ANTHI REDDY AKSHAYA**

20K81A1206



2nd place in Academics-II year

**M.ASHWITHA**

20K81A12F8





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Student's Corner

NGO'S



Street Cause

Street Cause is the living embodiment of the quote, "A life without a Cause is a life without an Effect."

The slogan that had been bringing in students of different ambitions and aspirations together and driving them to be more than passive spectators to the inequities in our society.

Street Cause is now in its 13th year of service and stands ready to provide their service relentlessly. Street Cause organizes its annual fundraising event, "Run For a Cause", with the intention of uniting the crowd of Hyderabad with a sense of service along with the necessary fun and frolic.

In the year 2009, St. Martin's became a part of Street Cause, which is one of the major contributors to our society. It was established to create a platform for students who are intent on the betterment of society, with the objective of helping the underprivileged and the destitute in every way possible.





MEGHANA REDDY

(IV YEAR)

(Associate President 2020-2021)

Meghana was awarded for rendering her service to the street cause organization as a volunteer. She worked as an Associate President of the Street Cause SMEC division for the term 2020-21



Kota Sneha

(III Year)

(LEVEL -1 2020-21)

Street Cause Hyderabad is the largest student-run NGO, and it also conducts an annual fundraiser - RUN FOR A CAUSE. Sneha Kota was an L1 for "run for a cause 6.0" and has successfully completed it.



Helping Hands

Students have taken an inspiring initiative to help the people who are with less fortunate circumstances for the uplifting of their lives. Students are participating in various events of “Helping Hands” is an upcoming NGO, formed to help and promote the upliftment of any person or place who/which are not equipped enough to do it by themselves. It is registered as a society under the A.P. & T.S. Societies Registrations Act, 2001 as of 15th July 2017.



Objectives:

- Conduct activities to raise funds and create awareness toward community orientation programs.
- Enable a sense of equality in all spheres of life.
- Provide ancillary help to achieve a better life.

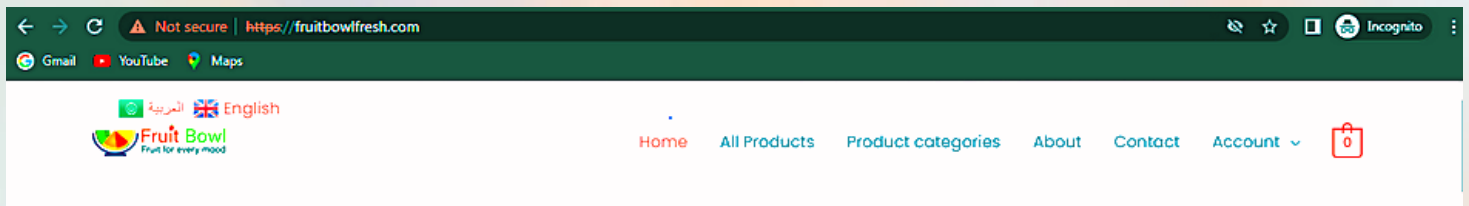


Evidence of success:

- Students took initiative to help people with less fortunate circumstances for uplifting their lives.
- Students collected the blankets and distributed to needy people
- Opening a library for higher studies and career building.
- Sapling plantation program at Srirampur village in Karimnagar District to protect environment.

Entrepreneurship

Anutej & Snithika : Help businesses by creating their websites
(IT 3rd Yr) for them



- It is an E-commerce website built using WordPress, which is hosted on Hostinger. Fruitbowlfresh.com and artofspicesuae.com are our happy clients. Fruitbowlfresh.com is a fruit carvings website that is built on CMS. It is based on PHP and the database used in MySQL. Used various plugins for the best designs. Artofspicesuae.com is a food ordering website. It is a type of zomato application used to order food in online mode. The firm is based in the UAE. These websites have been on the internet for the past year.



Anutej



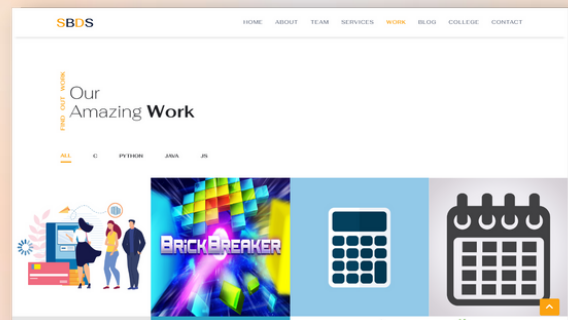
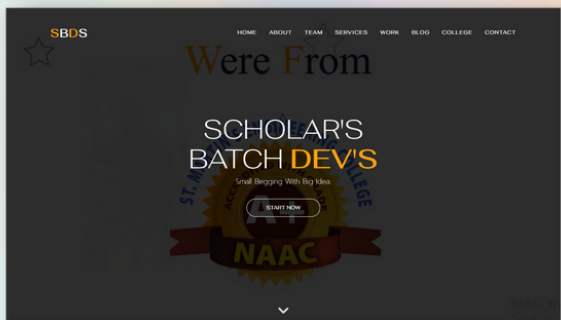
Snithika

- We have 2 years of experience in building WordPress websites. It was very challenging to reach the requirements of clients. Anyway, we took upon the challenge and overcome all the problems. They made us stronger at the same time as we came to know about various features, services, and technologies.

Entrepreneurship

SBDS-IT 3rd Yr(Freelancing website)

Helps businesses to post their projects and work on building their future careers by accepting and completing the client's needs



SBDS is a Start up, freelancing website. A team of five IT minds came in front to post their projects and work on building their future careers by accepting and completing the client's needs.

Team Members:



T. Mukesh



V. Vaasuki



S. Anusri



S. Jitendra



Y. Harshitha

It is a website built using

- Vanilla Javascript
- Bootstrap framework for design
- JQuery



Entrepreneurship

Youtuber

Sai Sooraj Matta Veera Venkata
(IT 3rd Yr)



"My story goes back to the time when I was in my 6th grade, my obsession with filmmaking began"



Sooraj is a Filmmaker, and content creator on YouTube. He began his career as a small-time filmmaker in Grade 6. he got better by learning video editing, audio editing, and screenwriting and became a technically strong creator. He has made 24 Short Films so far and He has made the First One Take short film in Telugu. He has experimented by making only Audio Short Film and a Vertical Video Short Film. He did not confine himself to Short Films, he collaborated with others to make dance Cover Songs, Book Reviews, Vox pop and Comedy Videos. He recently took the initiative to bring social media influencers under one roof and talk about things that they are passionate about. He hosted a podcast of 10 episodes on 10 different subjects and garnered more than 10,000 cumulative views.

Entrepreneurship



Entrepreneur

Antriksh Umang W.

(IT 3rd Yr)

"I can do this all day"

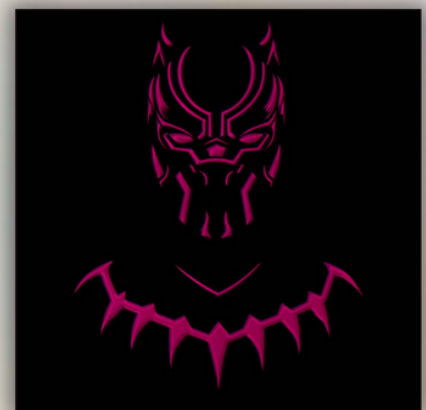
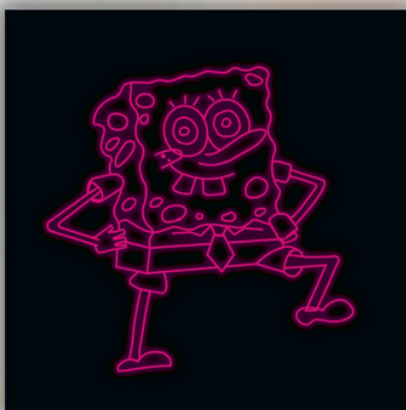
Antriksh Umang is a third-year IT student. He has an entrepreneurial mindset and is incredibly inquisitive and innovative. He is a graphic designer. He has interned at startups including Shortfundly, Namaste India, and ImperfectComics. His Instagram account, @artches_gfx, features freelance work and other creative arts made by him.

He had created a technical website that he used to write articles on new technologies and emerging trends in technology. That website was eventually sold to an edtech company.

Coaching intermediate and high school students allowed him to further his research into the teaching and educational fields.

He is an avid investor. At the age of 20, he started developing multiple sources of income. He has also played a major role in designing this newsletter.

He likes to do Digital Art, Vector Art, Illustrations, and Logo Designing. Some of his Art includes





Entrepreneurship

Book: Basking In the Blue

Hari Priya Vedala
(IT 3rd Yr)



A world of engulfing emotions, predicting the aftermath of quarantine endured by teens, women empowerment and a programmer's perspective are a few undertones of my poetry book "Basking In the Blue". With a few Iconoclastic ideas and a rigid rhyme scheme, this book of poems encourages the readers to exemplify their own experiences pertaining to the theme of each poem. By so doing , I hope you find a long lost memory, courage, comfort or conflict with my views. Hope to hear from you soon.



A Snap from her Interview



Student Excellence

IT(A) 2nd-year Students grab First Prize

Swayamkrushshi-2022



Participants

- Neeraj
- Md. sharukh
- Achuth reddy
- Tharun reddy
- Suhas
- Likith sai
- Navaneeth



IT STUDENTS GRAB SECOND PRIZE

Martin's Tech Crunch, SYMPO AAGNYA 2021

IT students from batch 2023, **K. Neelima Reddy**, **L. Kiranmayi Varma** and **K. Yashwanth Srivathsava**, participated in the ECE department's SYMPO AAGNYA 2021 Martin's Tech Crunch Competition and secured the second prize.





INTERNATIONAL CONFERENCE (ICRICEIT- 2022)

PAPER PUBLICATION: DEPTH AWARE SALIENT OBJECTS DETECTION & SEGMENTATION VIA QUICK BLOCK OF J-QUERY .



T.MUKESH



V.VAASUKI

PAPER PUBLICATION: ANALYSIS OF DATA MINING TECHNIQUES FOR CLASSIFICATION.



NEELIMAA



HARIPRIYA



KIRANMAI



SHIVANI



ALEKHYA



INTERNATIONAL CONFERENCE (ICRICEIT- 2022)

PAPER PUBLICATION:

A STUDY ON ROUTING PROTOCOLS IN ADHOC NETWORK FOR DAILY ACTIVITIES OF ELDERLY LIVING.



DEEPTHI



MOUNIKA



SNEHITHA



SHIVANI



ASHISH

PAPER PUBLICATION:

MACHINE LEARNING BASED STUDENTS NATIVE PLACE RECOGNITION FOR REAL TIME OPERATING SYSTEM.



VARTIA NITIN



SHRUTHIKA REDDY



SHIVA SAI



VARUN KUMAR



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Faculty Corner



FACULTY CORNER



Department Milestone!



Online education done right!

On the auspicious day of Jhankar, the Department of Information Technology was felicitated for organizing the more online FDPs, Workshops, and Guest Lectures in the college! Huge appreciation to the Information Technology Head of Department, Dr. R. Nagaraju for making this happen.



FACULTY NEWS



Dr. R. Nagaraju, Professor and Head of Department of IT, Editor of IIP Proceedings, completed the 2 NPTEL courses on "Introduction to Machine learning" and "Introduction to IoT" and was also a convener for the faculty development program i.e., "Innovative Developments in Machine Learning" & Soft skills training program for 2nd years organized by the Department of IT.

Dr. N. Krishnaiah



Professor of Department of IT, He is a R&D coordinator for Dept. of IT and Completed NPTEL course on "Introduction to Machine learning".



Dr. G. Shivakanth, Professor, Department of IT, as an Invited Keynote speaker for International Conference ICETEIOT-2022, As a Technical chair for National Conference (NCESSH-2022) and also attended 2 weeks Faculty Development Program sponsored by NIT Warangal and also Organizing Faculty Development Program on "Innovative Developments in Machine Learning" as a program coordinator. He is a project coordinator for Dept. of IT.



Mr. D. Babu Rao Associate Professor of Department of IT. He is an Academic Co-ordinator of the Dept. of IT Recently Submitted Ph.D thesis to K.L.University.



Dr. B. LaxmiKantha

Professor, Department of IT, Organizing Faculty Development Coordinator



Mrs. Priyanka Dash

Assistant Professor, Department of IT, She is a Coordinator, and Pursuing a Ph.D. in CSE at GIET University, Odisha



Mrs. Samatha Konda

Assistant Professor, Dept. of IT. She is a Dept. Timetable Co-ordinator, and Pursuing Ph.D. from Madhav University.



Mrs. R. Anushanjali

Assistant Professor Dept. of IT. She registered Ph.D. program at Madhav University.



Mrs. T. Bhargavi

Assistant Professor, Dept. of IT, as a Department Events & Co-curricular Activities Coordinator & Library Incharge.



Mr. Veeresh

Assistant Professor, Dept. of IT.
Dept. Sports Coordinator



A. Bhasha

Assistant Professor, Dept. of IT,
He is a Exam Branch
Coordinator for Dept. of IT



Mr. Alexander P

Assistant Professor, Dept. of IT,
He is a Mentor Mentee
Coordinator from Dept. of IT



Alibha Patel

Assistant Professor, Dept. of IT,
She is a Dept. AICTE & JNTUH
Coordinator for Dept of IT.



Chandraprakash V

Assistant Professor, Dept. of IT,
He is a JNTUH Attendance
Coordinator from Dept. of IT.



Mr. G. Sathish

Assistant Professor, Dept. of IT,
he is Placement Coordinator &
AICTE & JNTUH Coordinator for
Dept of IT.



Mrs. Gouthami

Assistant Professor, Dept. of IT,
she is Dept. Minutes of Meeting
Coordinator



Mr. Suresh Talwar

Assistant Professor, Dept. of IT,
He is a Exam Branch Co-
ordinator for Dept. of IT.



Mr. Lakshmi Narayana
*Assistant Professor
Dept. of IT.*



Mrs. K. Radha
*Assistant Professor
Dept. of IT.*



Mrs. Sandya Rani
*Assistant Professor
Dept. of IT.*



Mr. M. Hari Kumar
*Assistant Professor
Dept. of IT.*



Mr. B. Gopi Krishna
*Assistant Professor
Dept. of IT.*



Mrs. Sravani
*Assistant Professor
Dept. of IT.*



Mr. Pramod Kumar Gouda
*Sr. System
Admin*



Mr. Y. Praveen Kumar
*Sr. System
Admin*



FACULTY ACHIEVEMENTS



Dr. R. Nagaraju

Head of Department of IT

He received award

"Best Academician of the year-2021"





Women Empowerment Service



Samatha Konda

Assistant Professor

She received Certificate for completing "Sanghamitra Training Program"



We had a training including field visits to Bharosa center, Sakhi – One Stop Center, Shelter homes, Telangana Womens Safety Wing, SHE - Cyber Labs. Trained, Evaluated and Certified.

Got trained on various IPC Sections related with Women's rights like 326A(Voluntarily causing grievous hurt by use of acid, etc.)

Done case studies from Bharosa Centers, Sakhi - One Stop Center, SHE Teams, ICC (Internal Complaint Committee)



The training is primarily aimed to provide support to the women in distress and victims of abuse(sexual/domestic/online), explain various laws/provisions available to women, to make them take informed decisions, facilitate consultations with police, help victims to connect various institutions like Bharosa/Sakhi/Womens PS, to provide legal services, counselling services, accommodation in shelter homes, offer emotional support.

We got training sessions from Cyberabad Commissioner (Stephen Ravindra), Rachakonda Commissioner (Mahesh Bhagwat), Addl DGP Swathi Lakra, DIG Sumathi, Rohini Priyadarshini (DCP Cyberabad), DCP (W – CS) Anasuya, various NGOs like MyChoices Foundation, Vivekananda institute of Human Excellence – RamaKrishna Math etc. in those 10 weeks duration





FACULTY PUBLICATIONS



Dr. R. Nagaraju, Professor, and Head of Department of IT, published papers in SCI journal "Autonomous detection of malevolent nodes using secure heterogeneous cluster protocol" and also published paper in IEEE Conference(Scopus Indexed) and published 4 books, 2 book chapters, and 4 patents .

Dr. N. Krishnaiah, Professor of Department of IT, published paper entitled "Application of the IoT to predict the Patient's health and Stress Elimination using Machine Learning Algorithm", Journal Of Optoelectronics Laser, and also published 4 patents.



Dr. G. Shivakanth, Professor, Department of IT. He published paper in Web of Science and also published 2 patents.

Dr. B. LaxmiKantha Associate Professor, Department of IT, she published 1 patent.





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Events

Events

MSME



MSME stands for Ministry of Micro, Small & Medium Enterprises, a branch of Government of India. It is the apex executive body for the formulation and administration of rules, regulations and laws relating to micro, small and medium enterprises in India.

Types of businesses that come under MSME:

- Companies in the manufacturing sector
 - Companies in the service sector
- Students of SMEC from the IT department have successfully done their MSME projects in the stream of Machine Learning.

REGRESSION IN MACHINE LEARNING FOR THE PURPOSE OF RAINFALL PREDICTION:

P V Alekhya successfully completed her MSME project on Machine Learning classifier for Regression in machine learning for the purpose of rainfall prediction. Machine learning is a field which is widely used for prediction purposes. Rainfall data of India has been fed to different machine learning algorithms and compare the accuracy of classifiers such as multilayer perceptron. The motive is to get optimized result a better rainfall prediction.



MACHINE LEARNING CLASSIFIER FOR CARDIOVASCULAR DISEASE

K.Neelima successfully did her MSME project on a Machine Learning classifier for cardiovascular disease.

Machine Learning is a branch of Artificial Intelligence that is increasingly utilized within the field of cardiovascular medicine. This study covers many aspects of cardiac illness, as well as a model based on supervised learning techniques.



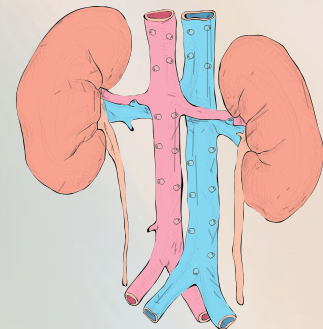
CHRONIC KIDNEY DISEASE CLASSIFIER USING MACHINE LEARNING TECHNIQUE:

L Kiranmayi successfully done her MSME project on the Machine Learning classifier for chronic kidney disease.

Machine Learning classification algorithms based on big data platforms used to detect Chronic Kidney disease. It helps medical scientists to diagnose the Kidney disease accurately in its outset stage.

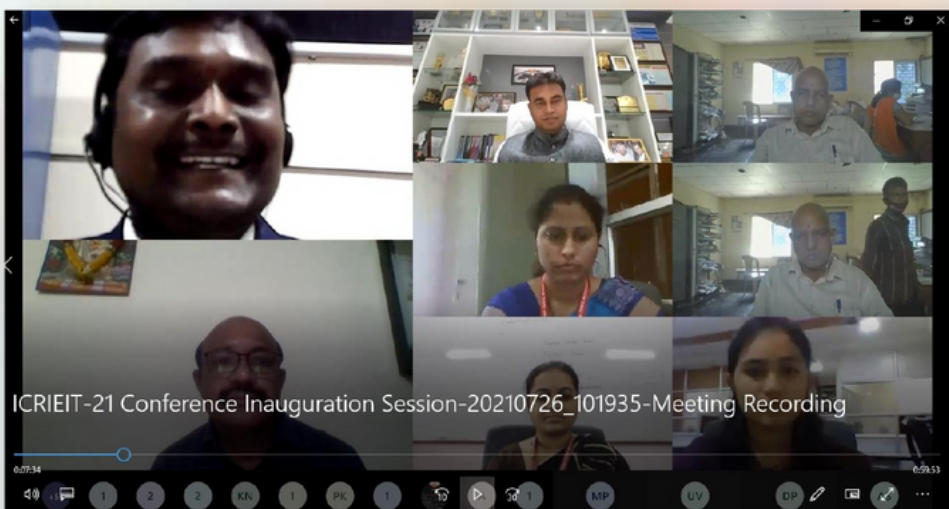
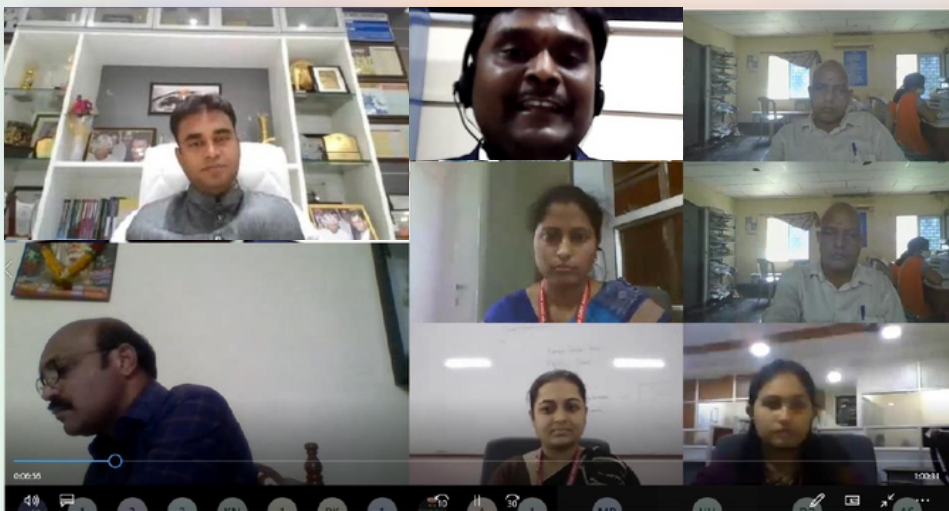
TEXT IDENTIFICATION FROM AN IMAGE PRESENTATION:

K.Yashwanth successfully completed his MSME project on Machine Learning classifier for text identification from an image presentation. The text are detected and recognized for a given natural scene image using east and tesseract Algorithms. Optical character recognition (OCR) is used to analyze text in images



INTERNATIONAL CONFERENCE (ICRICEIT- 2022)

It is an event conducted by IT Department where students can present their ideas about new innovations and their ideas to develop the world technically. It is a very good platform for students to present their innovative ideas. It was conducted on 18th and 19th March 2022 in online mode.

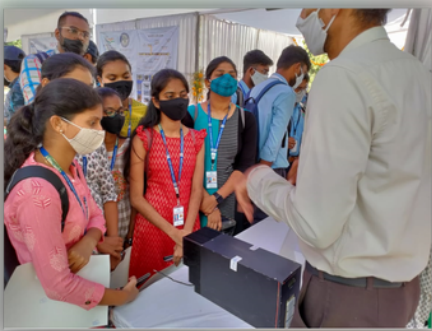


EVENTS

Industrial visit to Hindustan Aeronautics Limited Balanagar, Telangana

Event Date : 18-12-2021

A group of B.Tech III years students from the Department of Information Technology, accompanied by two faculty members namely Mr. Y. Prashanth and Mrs. Alibha Patel visited the HAL campus, Balanagar, Hyderabad on 18/12/2021. A total number of 45 students and two faculty members followed the pandemic regulations during the industrial visit. Our beloved principal Dr. P. Santosh Kumar Patra sir and the Head of the Information Technology Department permitted and motivated the students to gain knowledge and practical applications through the visit.



The students gained hands on experience through the industry visit to HAL Project models explained by the Research officers at HAL, which allowed them to understand many of their Subjective Topics and also helping them learn the importance of other fields.

After reaching the venue, our team visited the auditorium, where the HAL officials played a video. The video consists of manufacturing procedure, its products, regular functions and how "Atmanirbhar Bharat Abhiyan" is adapted by the defence sector throughout the manufacturing process.



EVENTS

GUEST LECTURE ON “LINUX AND SHELL SCRIPTING”

Organized by T. Bhargavi

Guest : Pawan Kumar Vengala

Event Date: 30-04-2022

One Day Online Guest Lecture on “Linux and Shell Scripting” was hosted by the Department of Information Technology to provide a platform to all the leading academic scientists, researchers, professors and students. This programme helped to present and exchange innovative thoughts and ideas in recent developments where Linux was developed originally for home PCs, but now it runs on a variety of platforms including PowerPC, Macintosh, Amiga, DEC Alpha, Sun Sparc, ARM, and many others.



Linux distributions have also become popular in the netbook market, with many devices shipping with customized Linux distributions installed, and Google releasing their own Today, Linux systems are used throughout computing, from embedded systems to virtually all supercomputers, and have secured a place in server installations such as the popular LAMP application stack. Use of Linux distributions in home and enterprise desktops has been growing. Linux distributions have also become popular in the netbook market, with many devices shipping with customized Linux distributions installed, and Google releasing their own Chrome OS designed for netbooks.



The overall presentation went with smooth sailing of related PPTs .Finally the Program co-convenor, Ms.Samatha Konda, Assistant Professor, delivered vote of thanks .Later ,Head of the Department Dr.R.Nagaraju greeted everyone, who involved in the program and shared his views about the Guest Lecture. The feedback is collected from all the participants through Google form .The feedback was excellent from the participants and were showed interest to be the part of the future events. Principal Sir appreciated IT Department for organizing informative Guest Lecture.



The Programme was initiated by Patron Dr.R.Nagaraju, HOD-IT During his address note: He emphasized the importance of Linux and Shell Scripting in all the domains irrespective of the studies and branches of education. Today, Linux systems are used throughout computing, from embedded systems to virtually all supercomputers and have secured a place in server installations such as the popular LAMP application stack. Use of Linux distributions in home and enterprise desktops has been growing.



Session: Guest lecture on “Linux and Shell Scripting”

- The session provided an opportunity by bringing awareness on how to develop the skills necessary for Linux systems programming including file system programming, process and signal management, and inter process communication.
- To make effective use Linux utilities and Shell scripting language such as bash.
- To develop the basic skills required to write programs.



This Guest Lecture provided an inter disciplinary platform for the participants from various fields to discuss their novel thoughts and ideas as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology.



EVENTS**FDP: INNOVATIVE DEVELOPMENTS IN MACHINE LEARNING****Event Date:** 13-06-2022 to 14-06-2022

The two-day online FDP on “INNOVATIVE DEVELOPMENTS IN MACHINE LEARNING” was hosted by the Department of Information Technology to provide a platform to all the leading academic scientists, researchers, professors and students.

This session provided the importance of FDP and Machine Learning in all the domains, irrespective of the studies and branches of education. At the end, students got to know how to improve their knowledge and ideas to use statistical analysis and impact of Machine Learning processes.

Event Description:

This event was conducted by Dr. T. Shanthi Sri. The Faculty Development Program two days program and this session was filled with full of excitement and enthusiasm of learning the concept and improving the knowledge ideas in recent development.

**Faculty Development Session**

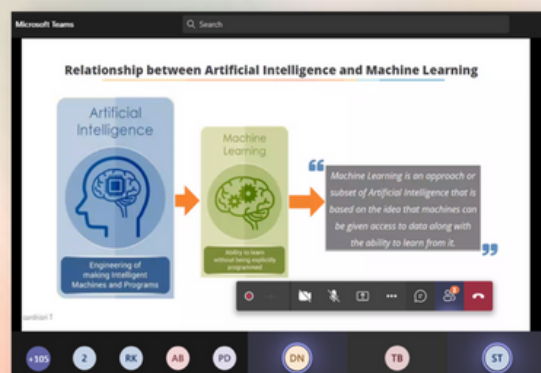
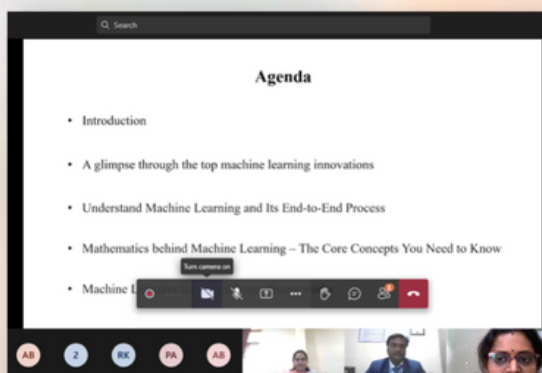
This program helped to present and exchange innovative thoughts and ideas in recent developments where Machine Learning was developed originally for AI. The goal of Machine Learning generally is to understand the structure of data and fit that data into models that can be understood and utilized by people.



Dr.R.NagaRaju, HOD-IT, SMEC addressing participants

Session:

- The session provided an opportunity by bringing awareness on how to develop the skills necessary for A Glimpse through the top Machine Learning innovations.
- To Understand Machine Learning and Its End-to-End Process.
- Supervised Machine Learning Algorithms : A practical approach
- To develop the basic skills to build a career in Data Science and Machine Learning.



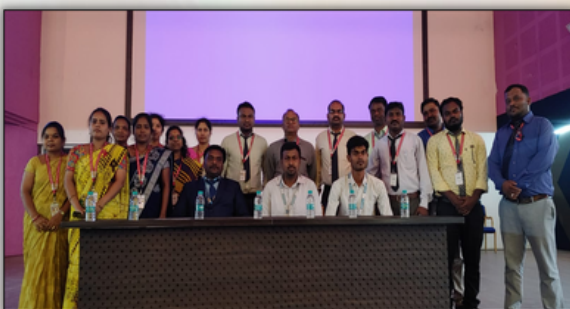
EVENTS**MoU on "Soft Skills Training Program"****Event Date: 26-05-2022 to 27-05-2022**

A MoU on "Soft Skills Training" was hosted by the Department of Information Technology. A soft skill is a personal attribute that supports situational awareness and enhances an individual's ability to get a job done. The term soft skills are often used as a synonym for people skills or emotional intelligence.

**Event Description:**

This training was conducted by **Damarpally Venu Gopal**. This Soft Skills Training was a two-day session and this session was filled with full of excitement and enthusiasm of learning the concept and improvising the knowledge ideas in recent development.

The trainer taught the students how to attend the interview and how to behave during the interview like body language, behavior. The energetic response of participant's crew lead to the real success of the Training. We wish to lead this forward and conduct various events to spread knowledge.



A very interactive session was witnessed during the event. All the participants were highly interactive and at the zeal of acquiring knowledge from the mentor. The enormous amount of knowledge attained by the mentor was perfectly shared with all the participants.

Unlike hard skills, which describe a person's technical ability to perform a specifically-defined task, soft skills are broadly applicable across job titles and industries. It's often said that while hard skills might get someone an interview, soft skills will help that person get (and keep) the job.

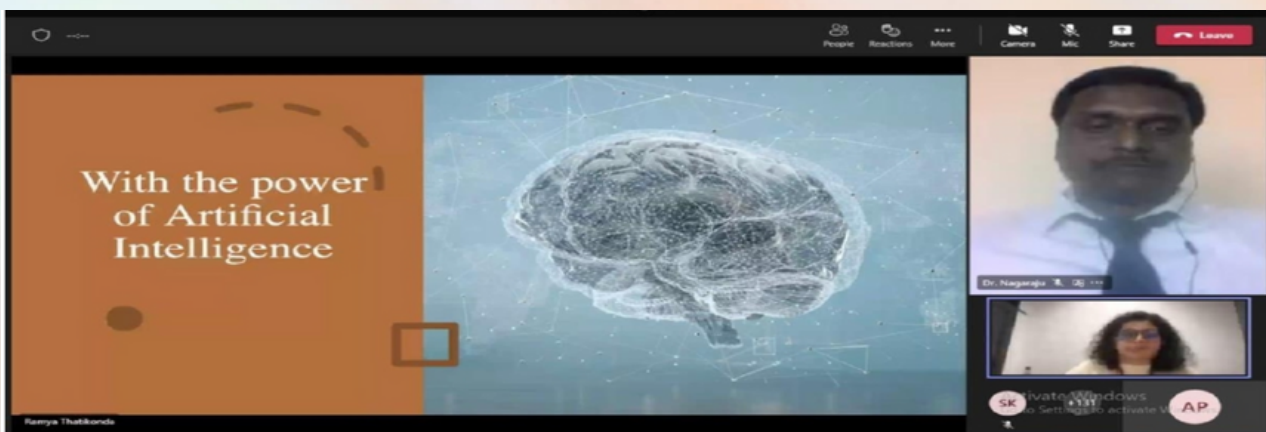
EVENTS

Webinar on "An introduction to Recommender System in Machine Learning"

Event Date: 03-05-2022

Brief description about the event:

The Department of Information Technology conducted a webinar on "An introduction to recommender system in machine learning." Systems that provide recommendations to users based on a variety of parameters are known as recommender systems. These programmes forecast the goods that customers will be able to buy and are also useful. Recommender systems are used by businesses like Netflix, Amazon, and others to assist internet users in finding the ideal products or movies.



Total number of college students participated in Webinar: 140

Event Description:

Ramya Keerthi Thatikonda was in charge of this webinar. She is presently employed as a Master of Data Science Research Assistant at Monash University in Australia. She is an expert in server-side technologies, web technologies, databases, programming languages, and frameworks.

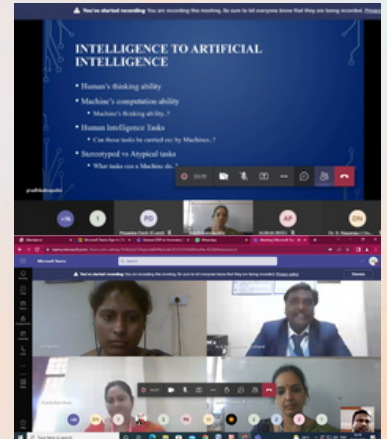
Regardless of the fields of study or types of schooling, she stressed the value of recommender systems in machine learning today (AI). In order to increase prediction accuracy and resolve sparsity and cold start concerns, recommender systems have naturally included computational intelligence and machine learning approaches and algorithms.

EVENTS

Technical Seminar on "Recent Trends in Artificial Intelligence"

Event Date : 23-06-2022

A Technical Seminar on "Recent Trends in Artificial Intelligence" was hosted by the Department of Information Technology. Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. The term may also be applied to any machine that exhibits traits associated with a human mind such as learning and problem-solving.



This Technical Seminar was conducted by Radhika Krupalini. She is currently working as a Assistant Professor, CSE Department in Ideal Institute of Technology, Kakinada, Andhra Pradesh. She has excelled technical skills in programming languages, databases, web technologies, server-side technologies and frameworks. This Technical Seminar was filled with full of excitement and enthusiasm of learning the concept and improvising the knowledge ideas in recent developments where Artificial Intelligence play a significant role for users, a new world of options, for companies, it drives engagement and satisfaction. We were accompanied by all the leading academic scientists, Researchers, Professors and students of other colleges too. A very interactive session was witnessed during the event. All the participants were highly interactive and at the zeal of acquiring knowledge from the mentor. The enormous amount of knowledge attained by the mentor was perfectly shared with all the participants. This seminar ended with the light of skills acquired by the students. The energetic response of participants' crew lead to the real success of the seminar. We wish to lead this forward and conduct various events to spread knowledge.

Broad classification of search techniques:

- Blind or Uninformed Search
- Heuristics or Informed Search
- Example problems
- Water jug problem
- Decision tree learning
- Travelling Salesman Problem
- Concept learning based on symbolic and logical representations
- Inductive bias in learning

EVENTS

Fresher's Day St. Martin's Engineering College

Event Date : 11.03.2022

Freshers day was celebrated at St. Martin's Engineering College. The seniors of all branches hosted a party for their respective branch, Junior. The event was well organized by senior II years, with lots of fun games and foot-tapping music. A common DJ was arranged, where the junior and senior danced to the latest songs. All in all, it was a day to be cherished by the freshers.

Chairman: Sri M. Laxman Reddy Garu,
Executive Director: Sri G. Chandrasekhar Yadav Garu,
Principal: Dr P. Santosh Kumar Patra Garu
 and *Faculties* have participated in the event.



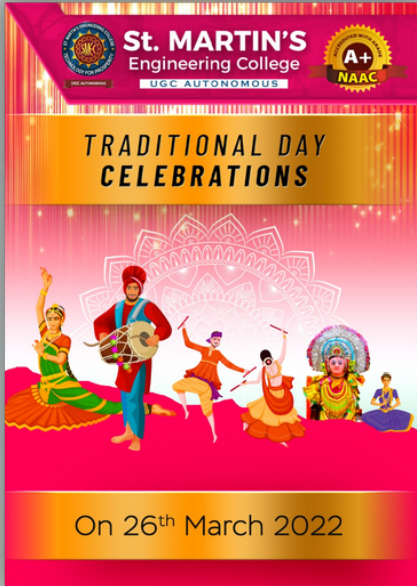
We also got a valuable speech from our Honorable principal DR. P. SANTOSH KUMAR PATRA and our respected head of the IT department DR. R. NAGARAJU with our stage dignitaries.



EVENTS

TRADITIONAL DAY

THEME:MANIPURI



“ ART COMES FROM TRADITION ”

On March 26th, 2022, St. Martin’s Engineering College celebrated its traditional day. Every Department in the college embraced traditions from different states of India, including Punjabi tradition, Rajasthani tradition, etc. The Department of Information Technology showcased their glorious embodiment of Manipuri tradition. The venue was decorated beautifully with Manipuri-inspired art and posters.



To fully radiate the tradition they were showcasing, second and third years of IT department dressed up in Manipuri outfits and performed cultural Manipuri dances and even made Manipuri dishes. Chung Matum and Sangom - the food that made the guests mouths ooze and stood out as the most Manipuri-esk of all the showcase done, was hard to protect from the eyes of mischievous food snatchers.



RADHA KRISHNA

The Manipuri Vaishnavas worship Radha-Krishna rather than Krishna alone. There are temples and Thakur-ghats in every village.



chak-hao Kheer

Chak hao kheer is a black rice pudding, an authentic Manipuri divine delicacy, made of forbidden black rice and sugar.

Manipur, a state in northeastern India, with the city of Imphal as its capital, bounded by the Indian states of Nagaland to the North, Mizoram to the south and Assam to the west, formed on 21st January 1972, is the 23rd state having fascinated art and weaving lovers across the country.



SANGAI

The sangai is an endemic and endangered subspecies of Eld's deer found only in Manipur, India. It is also the state animal of Manipur.



Mrs.Hume's pheasant

The name of the state bird of Manipur is Mrs. Hume's pheasant. It has a grayish brown or purple head, with chestnut brown plumage.



ANNUAL DAY

Event Date : 04.06.2022



CHIEF GUEST
SRI. CH. MALLA REDDY GARU

Annual day is an occasion of celebration, felicitation, feast, and festivity when students present not only their wonderful performances but also receive honors for their curricular and co-curricular achievements.

He is currently serving as the Honorable Minister for Labor and Employment, Factories, Women, and Child Welfare and Skill Development, Govt. of Telangana State.



SPECIAL GUEST:
NAKASH AZIZ, who is a famous Bollywood singer. He is known for playback performances of songs like "Jabra Fan" from Fan "Sari Ke Fall Sa" and "Gandi Baat" from the film R Rajkumar.

Our annual day was quite enthusiastic with several dance performances which is the combination of both classical and western and also some dramatical events related to newly arrived movie trailers.





ST. MARTIN'S ENGINEERING COLLEGE



UGC - AUTONOMOUS



EAMCET/ICET CODE: MRTN

ARIIA
ANAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS



Sports Section

Sports

FOOTBALL

VNR VJIET SPORTS FEST

Students of St.Martins Engineering College has successfully participated in a VNR VJIET Sports Fest that has taken place in VNR VJIET, Bachpally. It is a very gracious moment to win the championship of VNR VJIET Sports Fest. It is very grateful to share that the students won the championship with their great efforts after competing with several teams.



CRICKET

St. Martin's Engineering College has participated in the cricket tournament team in SPL(Sakshi Premier League). This tournament was held in Ibrahimpatnam. The team has competed with MRPC(Mallareddy College Of Pharmacy) and won the match with a difference of 13 runs.





Sports



1. Akshay - All rounder
2. Prasad - Bowler
3. Vishnu - Batsman
4. Tarun - Bowler
5. Anand - Batsman
6. Mahi Teja - Captain, Wicket keeper
7. Harsha - Allrounder
8. Shashank - Batsman
9. Upendar - All rounder
10. Vamshi - vice captain, Bowler
11. Siddarth - Batting



Team Names & Roles

- Mameeth-Batsman(Captain)
- Anvesh-Batsman(wicket keeper)
- Rajesh-Bowler
- Naveen-Batsman
- Raif-allrounder
- Datta-Allrounder
- Mahi teja-Allrounder
- Dhikshith-Allrounder
- Paul-Batsman
- Sarath-Bowler
- Tarun-Bowler



Sports

BASKET BALL

The basketball team from SMEC has participated in many inter college sports tournaments. The Physical Director of our college is Mr. G. SANDEEP. He supported and trained us to participate in different levels of tournaments. We had competed with other colleges like IARE, GCET, BHAVANS DEGREE COLLEGE. These inter college tournament was held in MALLAREDDY UNIVERSITY located at Dhullapally, Secunderabad. We had won the third position in this inter college tournament.



The Department of IT has participated in intra college basketball tournament and has achieved second position. We had competed with CIVIL, CSM and has reached finals and stood in runner up position after competing with CSE Department.



TEAM MEMBERS :

1. Sai Krishna
2. Vishnu
3. Mubeen
4. Upendar
5. Sunil
6. Karan
7. Aman
8. Abdul
9. Roshan

ATHLETICS

1. Shravani
2. Rishitha
3. Varsha
4. Harsha

1. Juloori Upendar(captain)
2. Sunil Makad (vice captain)
3. Maram Vikas
4. Pannala Vikas Reddy
5. Maripe Mahi Teja
6. Maripadigai Sai Neeraj

10. Vikas
11. Rakesh
12. Ashley

Sports

CHESS

- 1.Nithin
- 2.Akanksha
- 3.Ashwitha
- 4.Upendar
- 5.S.Varun Kumar



IT CHESS RUNNERUP : NITHIN
He is a wonderful chess player
and has reached finals in inter
college competition.

CARROM

- 1.ROSHAN
- 2.SIDDARTH
- 3.KALYAN
- 4.HARSHA

KABADDI

- 1.Vishnu Reddy
- 2.V.Nitin
- 3.Mani kumar
- 4.Chanda Likith kumar
- 5.M.Vikas
- 6.Upendar
- 7.Rohit
- 8.Sai siddarth(CAPTAIN)
- 9.Adarsh

DISCUS THROW

PARTICIPANTS

- 1.Juloori Upendar
- 2.Sai Siddhartha

ACHIEVEMENTS

Upendar got 1st place in intra
college tournament with 17
meter range of disc throw.

VOLLEYBALL

Boys

- 1.Upendar
- 2.Harsha
- 3.Anish
- 4.madhukar
- 5.Likith sai
- 6.Siddarath

Girls

- 1.Shravani
- 2.Likhitha
- 3.Nandana
- 4.Vaishnavi
- 5.Varsha
- 6.Madhulika

Sports

WINNERS-FACULTY

Annual Day Competition

Faculty Results - Men



S. Veeresh Kumar
Discus Throw
1st Prize



M. Hari Kumar
100mt-2nd
Long Jump -3rd Prize

Faculty Results - Women



R. Anushanjali
LongJum-3rd Prize
100mt-2nd Prize
200mt-3rd Prize



Dr. B. Lakshmi
Kantha
Chess-1st Prize



K. Samatha
Carroms -1st Prize



ST. MARTIN'S ENGINEERING COLLEGE

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Student Gallery





Art Section

The purpose of art is washing the dust of daily life off our souls.

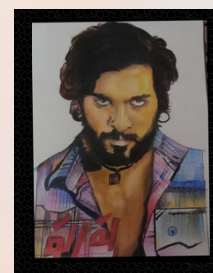
~ Pablo Picasso



M. SHRAVANTHI REDDY

II Year

She has received 2nd position in the event SYMPO AAGNYA conducted by the ECE department. The above art is called the "TECHNICAL WORLD", and it describes how the world revolves around technology these days. We are all dependent on using technical apps or software, but the world is surviving with plants and trees.



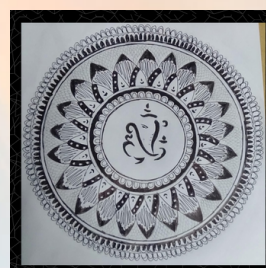
Antriksh Umang W.

III Year



VENKATA SHIVA SAI KUMAR

II Year





Art Section

Painting is poetry that is seen rather than felt, and poetry is painting that is felt rather than seen.

~ Leonardo da Vinci



Instrumental Talent

Another brilliant talent pop out from IT.



S. DEEPTHI

III Year



Artistic Skills

She is interested in paintings. Some of her art are as follows. Let's ask her and find out what her art style is.

The Art of Meditation

Meditation- Aanapanasati

The "Pyramid Spiritual Societies Movement (PSSM)" has been founded by Brahmarsi Patriji in the year 1990 with the objective of spreading the basics of spiritual realities and spiritual science to one and all.



P. Minisha

III Year

I'm P. Minisha, one of the members of the PSSM. My spiritual journey has started by ignoring my father's very very much needed words, later were the 10th standard board examinations. It's human tendency to stress over the exams and I was tensed to a certain peak that i almost forgot what I studied



We Human beings come across many hurdles in all the phases of life. Meditation is very much essential to each and everyone but youth needs it much more, cause youth are more aggressive, have more responsibilities and they are mostly confused in taking decisions, tensions regarding their job and future, health problems, relationship problems, financial problems and many more.

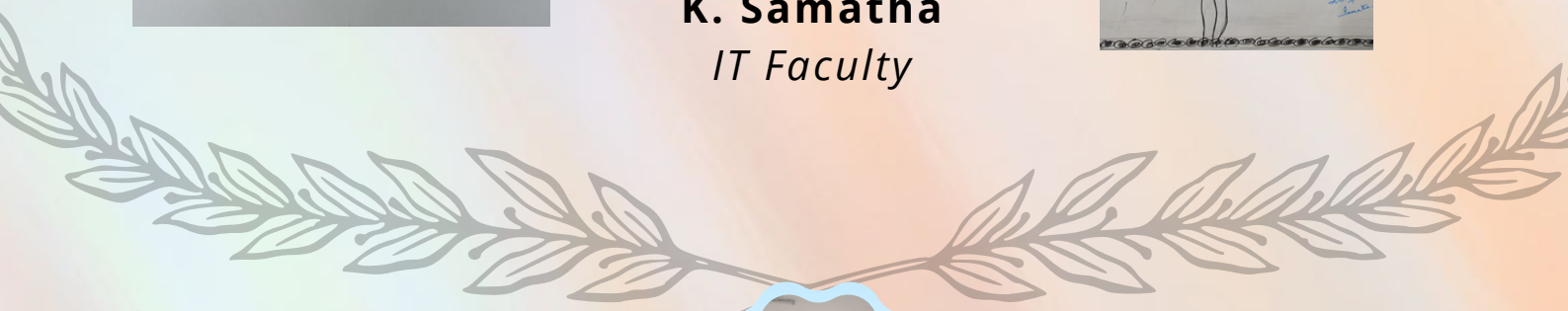


Art Section

Every child is an artist. The problem is how to remain an artist once he grows up
~ Pablo Picasso



K. Samatha
IT Faculty



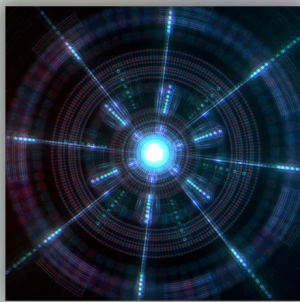
Bhargavi
IT Faculty





POEMS

TECH - CYCLE

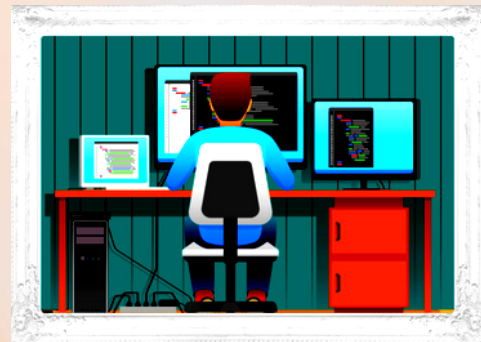


Heart needs soul
 Development needs Technology
 Technology requires hardwork
 Hardwork needs application
 application demand information
 information claim data
 data demand minds of students
 students bear challenges
 challenges requirement education
 education insist institutions
 institutions command technicians
 technicians emerges from IT
 IT transpires from SMEC...
 We the student from IT
 Rulers of tomorrow's Technology



~ V. POOJA
II yr

PROGRAMMER'S PARADOX



Absorbed in the black and white console
 pleasant on the eyes
 Faced by incessant errors
 some small and few other larger in size
 A semicolon or a curly brace
 Can cause havoc, when displaced
 with utmost focus and concentration
 we must at once, dissolve the foist
 exception
 when the output is accurate
 short sweet and immaculate
 colors the facade with joy so pristine
 And calls forth confidence bearing
 resemblance to the os lady clementine



~ HARIPRIYA VEDALA
III yr

POEMS

NOSTALGIA



A bird chirping on my window pane
sent me back to my childhood days
these were the best of our days
we wake at dawn and play all day long.
sneak into gardens, pluck flowers
being chased by gardener gave thrill like no other
afternoon were the most lazy, loitering in verandas
or sleeping under banyan tree
one can never forget days spent with grandma
spoilng us with her delicacies
Those were the unforgettable days
suddenly, a hand on my shoulder
woke me from the nostalgia
it was my mom asking what happened
I say nothing but seeing her filled me with motivation
Now I walk towards the future
A future with infinite opportunities
Reminding me to move forward



Tech Space

What Is Git And Github?

***There is a code hidden in this page. Find it to solve your first mystery.
First 10 members will get exciting prizes***



What is a Version Control system?



The technique of recording and controlling changes to software code, often known as version control or source control. Version control systems (VCS) are software tools that aid software development teams in managing source code changes over time. Version control technologies help software teams operate faster and smarter as development environments have increased.

WHAT IS GIT?

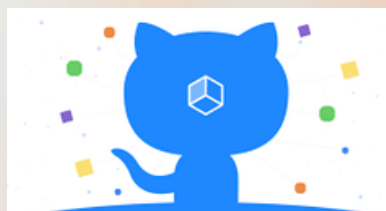
First developed back in 2005, Git is a widely used version control system that has been used in a number of high-profile projects. Git is a self-contained record of your ongoing programming versions that is installed and maintained on your local machine (rather than in the cloud). It can be utilised independently of any cloud-hosting service; in fact, you don't even need an internet connection to download it.

WHAT IS GITHUB??

GitHub is a Git repository hosting service that provides a web-based graphical interface. It is the largest coding community in the planet. When you publish a piece of code or a project on GitHub, it gets a lot of attention. Programmers may find source codes in a variety of languages and make and track modifications using Git, a command-line interface.

WHY GIT?

- Over 70% of developers use Git!
- Developers can work together from anywhere in the world.
- Developers can see the full history of the project.
- Developers can revert to earlier versions of a project



GitHub helps every team member work together on a project from any location while facilitating collaboration. You can also review previous versions created at an earlier point in time.

Alexis Lawson is a senior UX designer at M1. He's worked on award-winning apps such as Keystone, Rocket, and Flagship.

DID YOU KNOW?

- GitHub was founded in April, 2008.
- GitHub HQ is in San Francisco.
- Founders: Tom Preston-Werner, Chris Wanstrath, and PJ Hyett.
- Employees: 95
- Approximately half of the GitHub team works remotely
- On an average day on GitHub.com 80k public repositories are updated.

SOURCE: GITHUB.COM

Article by T.Mukesh

Antriksh Umang

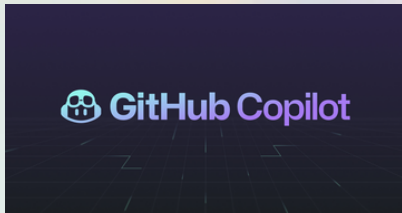
Yashwanth Srivathsava



it is not blank!

Tech Space

AI Pair Programmer



HOW DO COPILOT WORKS?

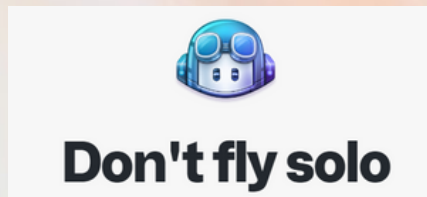
Since OpenAI Codex was trained using publicly accessible source code and everyday language, it is able to comprehend both programming languages and everyday language. Using OpenAI Codex to synthesize and recommend individual lines of code and entire functions, the GitHub Copilot editor extension transmits your comments and source code to the GitHub Copilot service.

Programmers spend a lot of time writing code. Gear-like code editors can help us on the side of syntax pointers, snippets, debugging pointers, and so on. However, what if we had a device that used artificial intelligence (AI) to help us write a good deal greater full-size portions of code? That's what GitHub Copilot is all approximately.

WHAT IS GITHUB COPILOT?

GitHub Copilot is an artificial intelligence (AI) application that offers you code ideas based on comments and the context of the file you're working on, to put it simply.

Copilot is the outcome of a partnership between GitHub and OpenAI, which has received significant support from Microsoft. It is driven by a brand-new GPT-3 model-based AI system called Codex.



HOW DO WE GET THE MOST OUT OF GITHUB COPILOT?

It works best when you divide your code into small functions, use meaningful names for function parameters, and write good doc strings and comments as you go. It also seems to do best when it's helping you navigate unfamiliar libraries or frameworks.



DID YOU KNOW?

- Copilot is familiar with common APIs and frameworks, as well as how to leverage them.
- Popular method implementations in several programming languages can also be suggested by Copilot.
- Copilot will significantly help you in learning. It will solve problems and doubts with well commented code.
- GPT-3 can create anything that has a language structure – which means it can answer questions, write essays, summarize long texts, translate languages, take memos, and even create computer code.

SOURCE: GITHUB

Tech Space

M E T A V E R S E



ITS ORIGIN

The term "metaverse" originated in the 1992 from the science fiction novel snow crash as a suitcase of "meta" and "universe".

Metaverse development is often linked to advancing virtual reality technology.

Recent interest in metaverse development is influenced by "Web3", a concept for a decentralized iteration of the internet.

Information privacy, user addiction, and user safety are concerns within the metaverse, originating from challenges facing the social media and video game industries as a whole.

The 2003 virtual world platform "Second life" is often described as the first metaverse.

IMPLEMENTATION

In 2017, Microsoft acquired the VR Company AltspaceVR and has since implemented metaverse features such as virtual avatars. In 2019, the social network company Facebook launched a social VR world called Facebook horizon. In 2021, Facebook was renamed "meta platform" and its chairman "Mark Zuckerberg" declared a company commitment to developing a metaverse.



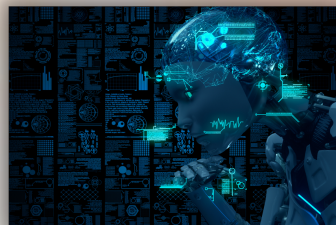
Article by Tarun & Harshita

PRIVELEGES

- Immersive experience:
You can experience every activity in the most immersive way .You can exercise, socialize, play games, and have business meetings in a virtual environment

- Connecting the world:
The metaverse will act as a neutral space where everyone can meet as equals to some extends. It allows you to feel more comfortable meeting new friends.

- Upgrading social media:
Social media includes platforms like Facebook that rely on social aspect of internet .These platforms will undoubtedly benefit from the upgrade into 3D virtual environment



CONCERNS

Feasibility:

- Metaverse is feasible .This is because it's just a matter of time. Even though the challenges are vast, the technology will overcome them.

Privacy:

- Information privacy is an area of concern for the metaverse because related companies will collect user's personal information through interactions and biometric data from wearable virtual and augmented reality devices.

User safety:

- Internet addiction disorder, social media, and video game addiction can have mental and physical consequence over a long period of time such as depression, anxiety, an increased risk for obesity and cardiovascular diseases.



DID YOU KNOW?

- Facebook's parent company Meta is already developing a few parts of the metaverse.
- VR goggles and headsets allow you only to see the metaverse
- Users of the Metaverse might pay for goods using cryptocurrencies.
- Disney is developing a metaverse theme park. In December, the company filed for a patent for a "virtual-world simulator."
- Meta will also create 10,000 jobs in the EU over the next five years.
- *The global AR, VR, and MR market will roughly reach \$300 billion by 2024.*

SOURCE: FACEBOOK

Tech Space

DALL-E2: The rise of Image-generation AI

It is hard to find a monkey licking on a 9 volts battery, or a cat paying taxes while wearing a suit - these are all unusual situations that might never happen in reality. The only way that these situations can be made real is for artists to create them. But with a new Artificial Intelligence model, this task can be done by anyone with a computer - only thing that needs to be done is type in what you want to see!



In April 2022, DALL-E2 was announced by OpenAI. It is a neural network that can generate photorealistic images from natural language descriptions. Simply put, this AI can generate never-before seen images from textual captions given by humans. This is one of the wildest technologies out there and it is rising in popularity pretty fast. It is based on Generative Pre-Trained Transformer, or GPT-3 for short, the same model that was used to create other popular AIs like Github Co-Pilot. The first iteration of this AI, DALL-E, was revealed in January of 2021 and this year's new iteration comes with additional and improved features. Read on to learn more!

WHAT ALL CAN DALL-E2 DO?

- DALL-E2 can do a lot of things. Apart from generating high-quality images from scratch, DALL-E2 can also take an existing image and take a caption to edit it, while keeping physical elements like reflections and shadows into count. This feature is called "in-painting". The below image shows how DALL-E2 fulfilled an unusual request for a cheese burger that is made of pizza base.

DALL-E2 MADE A CHEEZE BURGER MADE UP OF PIZZA BASE



DALL-E2 can also take an existing image and re-render a different variation of it, that is, the same image but from a different angle and a different style.

HOW IT ALL WORKS

DALL-E2 basically generates images by a process called "diffusion". In this process, the AI starts off with a random pattern of dots and with each iteration of rendering, these dots are converted into an image which is described by the natural language caption given by the user.



DID YOU KNOW?

- DALL-E2 was trained in order to understand the relationship between images and the captions that are used to describe them.
- The AI is not publicly available for everyone yet and is still being researched.
- Anyone who has their curiosity-hats on can join OpenAI's wait list and get early access to the AI.

SOURCE: OPEN-AI

WHAT IS THIS RESEARCH FOR?

DALL-E2's research is mainly aimed towards increasing expressivity of human users, who are not very good at making art, and for helping them in easily presenting pictorial information. Another major reason for this research is to study how AI perceives the real world, in order to build safer AIs in the future.

Tech Space

THE WORLD OF ALEXA

WHAT IS ALEXA?

Alexa is Amazon's cloud-based voice device from Amazon and third-party device manufacturers. With Alexa, you can give voice commands to interact with the technology. We offer a collection of tools, APIs, reference solutions, and documentation to make it easier to build for Alexa. Alexa got into existence in the year 2013 by Amazon by the name INOVA later technology got improvised in many ways and in the year 2019 company launched many Alexa devices. This echo-based device is an application of "IOT AUTOMATION".



CREATE ALEXA SKILLS

Reach customers through more than 100 million Alexa-enabled devices across the globe by building Alexa skills. Skills are like apps for Alexa, enabling customers to perform everyday tasks or engage with your content naturally with voice. Use the Alexa Skills Kit to start building Alexa skills today.



BUILD ALEXA DEVICES

Alexa devices are accessible using a Bluetooth connection. By pairing the Alexa with the respected device, it is able to take the voice commands and do operations as we directed.



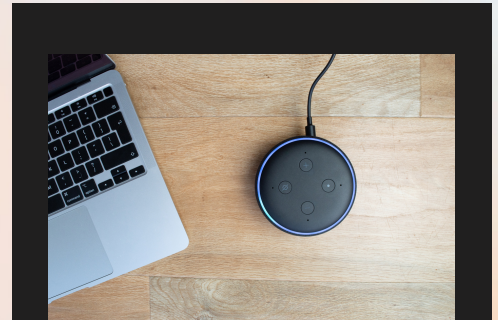
DEVELOP ENTERPRISE SOLUTIONS

Alexa is widely used in business management...as we know hugely maintained companies are tough to maintain with manpower. This technology is being used in the form of robots and machines. For example lot of restaurants are using robots for customer services.



HOW IT ALL WORKS

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DID YOU KNOW?

- In 2019, Amazon led the smart speaker market, shipping 10.4 million units worldwide.
- Alexa can scare burglars off when the Echo is in the "Away" mode.
- January 2016, Alexa only had 130 skills; three years later, her skills surpassed the 100,000-mark.

SOURCE: GOOGLE

WHAT IS THIS RESEARCH FOR?

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SPECIAL MESSAGE TO OUR READERS

RESPECTED READERS

Dear readers,

The official newsletter of the SMEC IT Department **#INCLUDE<NEWSLETTER.IT>** which documents the Department's journey's pivotal events, is in your hands. We made every effort to ensure that our Departmental memoir would assist you in relieving your eventful time experienced at the Department. **#INCLUDE** is a culmination of the invincible team's tremendous effort and an example of their inventiveness. It aims to unite every component of our very own "IT family." This issue might be termed as a reflection of our IT glory. Isn't it true that "A flower makes no garland?" This newsletter results from an enormous work put forth by our Board members first and foremost, followed by the HOD, all instructors, and lovely students.

Sincerely,

GFYS

IT DEPARTMENT

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