SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS)



DEPARTMENT OF COMPUTER SCIENCE
AND

ENGINEERING

E-YATRA

2020-2021

ENVISION

EXPLORE



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E-YATRA

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ABOUT





About the College

Since its inception in 1985, Sri Venkateswara College of Engineering has taken long strides and grown in stature and reputation in the province of engineering education. The College is in its 35th year. In these thirty five years of the journey it has progressed a lot.

Learning, at SVCE, has never been limited to the classroom, learners are exposed to a variety of activities – curricular and extra-curricular – that help them to hone their skills and develop rounded personality, receive a career-focused education and earn a name for themselves and for their alma mater.

It has gained the reputation of offering exceptional engineering education as proven by the scholarly accomplishment of its students. It has also made certain remarkable contributions to engineering education.

Next:

About the Department



About The Department

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Machine Learning, Data Analytics, Networking, Data Mining etc.

Programmes offered by the department are

- B.E. Computer Science and Engineering
- B.Tech. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

Next:

Message from The H.O.D.



Message From the H.O.D.



I would like to express my sincere appreciation for all the tremendous efforts put forth by the Magazine team in the academic year 2020-2021. This Magazine 'E-Yatra' is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

It also helps in building up teamwork among the students, which is very much important in this competitive world. I hope the students can make use of this opportunity to develop their inherent talents and actively contribute the same to the magazine.

Next:

Creative Corner E-YATRA

E-YATRA

2020-2021

CREATIVE CORNER





WRITER'S AVENUE

"You don't write because you want to say something, you write because you have something to say"
F. Scott Fitzgerald

We write to elude the fear of not being understood. With every word we spill onto a blank page, we find ourselves floating towards the sunlight, closer and closer to the surface until we're as light as a feather and the ink has run dry. Writing is escapism in its finest and purest form.

MY EXPERIENCES WITH PYTHON UI

Priyanka Ananth, AI & DS

You know, you're in a job and the higher ups give you a job that you have little to no idea on how to approach it? Well, one time, earlier this year, I was assigned a task to build a UI for their company. Simple enough, right? Only problem was, I knew next to nothing about UI design or how to code for UI, despite being in university, I was still very much a noob in coding. But I'd say to not break down just because you don't know anything about said field, but rather, take it as a challenge and work it down.



Plan of attack: Google it

There's no reason to remember lines of code like you do for school/practical exams and there's no extra points awarded by you for making your personal project difficult. Instead, work on having ideas conceptually, I planned on creating a UI in python. So, I googled it, and went through the documentation. And some crash course videos, as time is of the essence here.

I'd recommend the tkinter video by FreeCodeCamp for those who're interested in it. It basically builds a strong foundation of tkinter, the inbuilt Python inbuilt library. But, while I followed the video, I wanted to add my own twists.



Generally, when it comes to UI design, you definitely need to know how to edit photos, not excluding blurring them or darkening the background picture to improve readability. As you can see, I haven't mastered it yet. Plus, as you can see the text isn't readable. And I got reviews that the picture I selected wasn't good, so I had to change.

One great software to be used is Canva. You get a year free subscription for Canva pro that allows you to edit, darken and blur images. I'd recommend a try.

In the beginning, it may not be the most impressive start, but it's a start. It's fine to start even from the basics, and build up from there. Let's see how we can improve it.

There are ways to improve this, using the Canvas widget method in tkinter where you can do from custom image background to creating your own icon bitmap logo (in case you fancy a startup). Here comes the second pointer.

Read the documentation.

This is where I got stuck a bit as the crash course went through the basics and they wanted something more visually striking

If I pressed the "Send Email" button, it gave out a popup..



Send

It sends out a popup again, asking if you want to confirm the email. There's quite the heavy backend related to that and a database storing the credentials.



This is where google and documentations become your first friend and it's all a matter of trial and error. This is where I learned another thing.



While this iteration was better than the first one, it wasn't exactly the best. This is where I read the tkinter documentation comprehensively and changed my method of approach.



This was me speedrunning UI development in Python in a matter of days. In the end, all that matters is your determination and never giving up. It's worth it in the end, trust me.

HOW SAFE ARE WE IN CYBERSPACE

Viswesh G, CSE - C

The Internet used to be a fairly basic tool used to facilitate individual conversations among friends. But over the years it has evolved into something much bigger: a commercial hub, a global chat room, and an oft-critiqued, never-ending encyclopaedia information and misinformation. Today it is a global tool of commerce, learning, communication connections in an increasingly virtual world. But the ease of making these transactions online is offset by the ever growing threat from hackers, identity thieves, personal information leaks and criminal activity. the early days of the During Internet, sharing information candidly over the Internet came with low risk. Today with such open access to the Internet everyone is more aware of safeguards beyond passwords needed to protect their personal information identity.



With the sheer volume of personal information stored in the cloud and data bases, the necessity for increased cybersecurity is an exponentially increasing necessity.

With internet users n o w including those middle school a n d elementarv with a n d constant usage by those up to age 30, hackers have a virtual endless stream of naïve users to fleece and threaten, sometimes with blackmail, hour by hour. Meanwhile the elderly who have passing understanding of internet security viewed as soft targets who are easily scammed.

According to a report released by TikTok regarding the impact of potentially harmful challenges and hoaxes, when asked to describe a recent online challenge a n d its perceived risks that participated in, 48 per cent of teens said recent challenges they had seen were safe, categorizing them as fun or light-hearted, 32 per cent included some risk but were still safe, 14% were described as risky and dangerous. In comparison, were described online challenges dangerous. Just 0.3% of teens said they had taken part in a challenge they categorized as really dangerous. After impact of social media on young minds, the second biggest threat is medium to weak strength passwords that users set for their accounts. Google is one platform that is used by everyone globally. It saves passwords for different websites and stores personal data including photos and videos on their platforms. This requires strict security and safety checks to make sure the data remains safe.

A password is the first step in security which makes sure your online accounts remain safe from hackers. However, because young age cohorts are using various platforms and are often following recommendations to use varying passwords on each one to circumvent hackers and scammers, they often choose easy passwords to figure out, such as birthdays, addresses, or some special someone's name.



In short, a very unsafe sense of security indeed. This is where such practices often lead to a breach resulting in the loss of personal information and private photos and videos.

In the world of cyberspace we are only as safe as we are aware of the threats surrounding us every time we log on. The danger posed by the internet can be mitigated when the users take an effort to cut down and safe guard their information in the cybersafe.

Think twice before clicking on links or opening attachments.

Even if an email looks like it's from someone you know, beware of overlooked attachments. Take that extra second to avoid walking into a digitally dangerous situation. Don't reply to the email because the sender's identity might have been compromised. Instead, start a new email from your contact list and reply to the sender that way in order to avoid your response going to a hacker instead.

Verify requests for private information.

Whenever you are requested to provide private information (yours or anyone else's), verify the identity of the requester — even if it appears to be somebody you know. Con artists are clever in how they collect information to steal information and identities. Even if you think you're safe, regularly check your financial statements and credit reports. Follow the same response suggestion as when responding to an individual. Do not simply click "reply" in case the original email did not originate with the bank or institution bearing its name.



Protect your stuff!

Keep a close eye on your belongings when you're in public places. Lock things up or take them with you before you leave, even if you'll only be away for a second. When you're at work, secure your area and lock your computer screen before leaving your desk. Take your phone and other portable items with you. Set electronics to time out quickly so someone picking it up can't access it and use biometrics when a phone or tablet offers that option. Enabling GPS location services in the devices that offers them helps you to retrieve them in case it is stolen or left behind at a location.

Protect your passwords.

Never reveal your passwords to anyone. Make them long, strong, unique and use multi-factor authentication (MFA) wherever possible.

- ·Use a password manager such as LastPass or RoboForm.
- ·Use different passwords for different accounts.
- ·Use different passwords for work and home.
- ·Don't let apps and websites remember your passwords

Keep your devices, browsers, and apps up to date.

At home, automate software updates and periodically restart your devices to ensure that security updates are fully installed. UC Davis Health IT manages workstation updates and restarts

Back up critical files.

Store backups in a physically separate location from the originals and periodically test them. For critical work files, use storage options that are approved by the government. For personal files, save a backup on a separate drive (e.g., cloud or encrypted USB) to securely store it.

Delete sensitive information when it's no longer needed.

Always keep track of what information you share and upload in cyberspace. If there is any sensitive information uploaded, then delete it completely after its purpose is no longer necessary. For example, if you upload your id proof for verification of identity and after the verification has been successfully completed, try to delete it as soon as possible

If it's suspicious, report it!

Learn how to recognize suspected scams and other suspicious activities. At work, suspicious emails should be forwarded to the necessary departments or thoroughly checked by an IT professional. Reporting any suspicious email, pop-up message, text or suspiciously new item on your screen to the skilled person /service provider is both a must and an added layer of security to avoid falling prey to the army of hackers at work 24/7.

Tempest Of Silences

Thejaswini SR, CSE - C

Our silences were always heavy. They left me yearning for even a grain of "want", of "need"; a need for me i could never find, no matter how long I stared into your brown eyes.

Why is it that I need to feel needed? Why is it that I want to feel wanted? Is wanting you not enough?

The force of your silences shattered my ribs, had me heaving for air, for you. The bruises on my sides purpled, then yellowed for you. My heart bled, bleeds and will bleed for you.

Is this obsession? Do I desire you as a possession? Is this infatuation?

Is this love?



Our temporary pauses seemed to lust for the horizon, for an end to the aching lulls in our conversations. You were so close yet so far. I could see you and hear you but you were much too far from me to say the same.

More than an arm's length away. You were always out of my grasp, forever fleeing from my fleeting touches, until the touching gradually stopped, as I painfully willed my hand to stay down, pinned to my side, unable to reach out for yours. You didn't even bat an eye, didn't even seem to notice the void by your side as you carelessly tread through life's murky waters.



I guess this is farewell.... or is it?

You were always alone, weren't you? Was that why you couldn't care for me? Was that why you didn't care that there was a dent in your heart in the shape of me, a dent you didn't care enough to fix?

How many dents decorate your heart, I wonder.

Do you ever think about the people who touched your heart but are nowhere around you.

Do you ever think of me?

Your words that flowed like water through barren earth after a drought soothed my burns like a salve, trickled down my bones like mint and honey, swept my pain away like a gentle lover caressing my skin.

my soul was at peace after the tempest your absence brewed.

Dunes of Memories

Vaishnavi M R, AI & DS

Living in a small village, Barsingsar, Bikaner, for two and a half years was a wonderful and eye-opening experience for me. Endless sand dunes, in contrast to the lush greenery area I grew up in, 45 kilometres on mud roads to reach my school, beautiful architecture and culture were a pleasant change in my life.

I was brought up in the lignite city-Neyveli Township, and I pretty much grew up in a sheltered life. I was a bit sceptical of the change in place at first, and had a hard time adapting to the new place, language, and surroundings, and also struggled with the fact that I had to travel longer distances for basic needs.



But those hindrances also taught me valuable lessons and opened doors of opportunity to showcase my skills and test my abilities.

My regular day there starts at 4:30 AM(now, it is the time I go to sleep), jam out to my playlist, and get ready to go to the bus stop by 5:30 and travel for an hour and a half to reach my school. And at school, I would be either trying to comprehend Hindi or getting called for school council or interschool competitions. The last bell rang at 2:15 PM and we would be rushing to our bus and just jamming to new Marvadi songs. In the evening, I take my bicycle and roam around the nearby village areas with my friends till the streetlamps are on. My day ends with gazing at shooting stars on the roof of my house.



Barsingsar also made me try new things and challenge my abilities. Thanks to that, I found my passion for piano, dancing, and martial arts. It gave me many opportunities to explore my strengths and weaknesses.



Living there also gave me an opportunity to travel to the infamous Alwar's "haunted fort", Haldigati—where Raja Man Singh was defeated by Rana Pratap with his horse Chetak, Chittorgarh—where Alauddin Khilji broke into the indestructible walls of the fort, Jain temples and much more.

It made it even more exciting for 10-year-old me to visit these places alone. I could pretty much say I had travelled to each and every place in Rajasthan.

What made the place most memorable was the people. The friendships I made there are unbreakable. They helped me to come out of my comfort zone and just enjoy the real world. We were literally inseparable. Our raucous laughter echoed around the sand dunes, and our silly fights and banter are still fresh in my mind.

And how could I forget food? Eating in the famous Haldiram's restaurant, winter sweets, especially ghewar—a disc-shaped sweet made with all-purpose flour and sugar syrup, served with malai on top, is something that shouldn't be missed out. Also, the traditional dal-battichurma is a ghee-filled, lip-smacking dish. Writing this in a hostel makes me miss it even more..

ம ழை

Baanu Rekha.S, AI & DS

வானின் வனப்பை

கண்டு ரசித்த மேகங்கள்

கதறின...

ஒன்றுடன் ஒன்று

சச்சரவு இட்டன...

கடுங்கோபத்தில் மேகங்கள்

காரிருள் நிறத்தை

கொண்டன...

சச்சரவின் போது

கூரிய மின்னல் கீற்றுகளாய்

ஒளிர்விட்டன...

இடி முழக்கங்களாய்

ஒலியிட்டன...

இறுதியில் போர்க்குணம் படைத்த அவை

உருவாக்கின அழகிய முத்துப்போன்ற

மழைத்துளிகளை...

தூரலும் சாரலுமாய் விழுந்து

உலகிற்கே அழகு சேர்க்கும் மழையை

போற்றுவோமாக!!!

Embers

Neha Bhende, CSE - B

Lilac fields and midsummer air Crystal pools and mountains bare Clear blue sky and wind in my hair I would give anything to be there

Tattooed skin with hometown lores
Telling stories from the folksong stores
Gathered around a bonfire, it soars
The heat settles on my skin, a souvenir of smoke

The embers high in the sky at night Constellations and mythical highs The darkness fades as the fireflies Brings about a day in the peak of night

Burnt out wood and rustling leaves
Don't venture out between the trees
Drift easy into a dreamless sleep
Awake enough to feel the misty freeze

Dark blue skies and the air is cold
Dawn breaks through the clouds of hope
Willow warblers in ingenious encores
I could relive this forevermore.



CAPTURE TIMEONA FRANE

"What I like about photographs is that they capture a moment that's gone forever, impossible to reproduce."

- Karl Lagerfeld

Time is a flowing river, carrying away every memory it holds. And out there is a photographer with a net at sea, ready to capture them and safeguard them as they move on to live forever.

CAPTURE TIME ON A FRAME







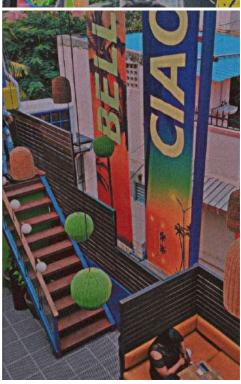
Ramanaprasath G

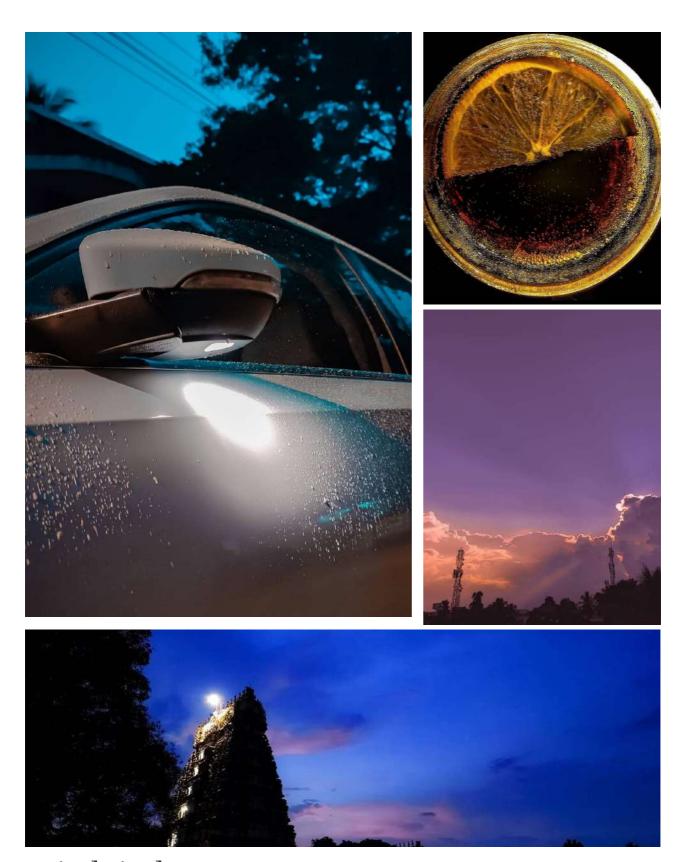
RAMANAPRASATH G, of AI&DS I Year loves cafe hopping and being an adventurous person, he likes to explore new places. Apart from photography he's also ambitious and constantly works on upskilling himself in technical side too,





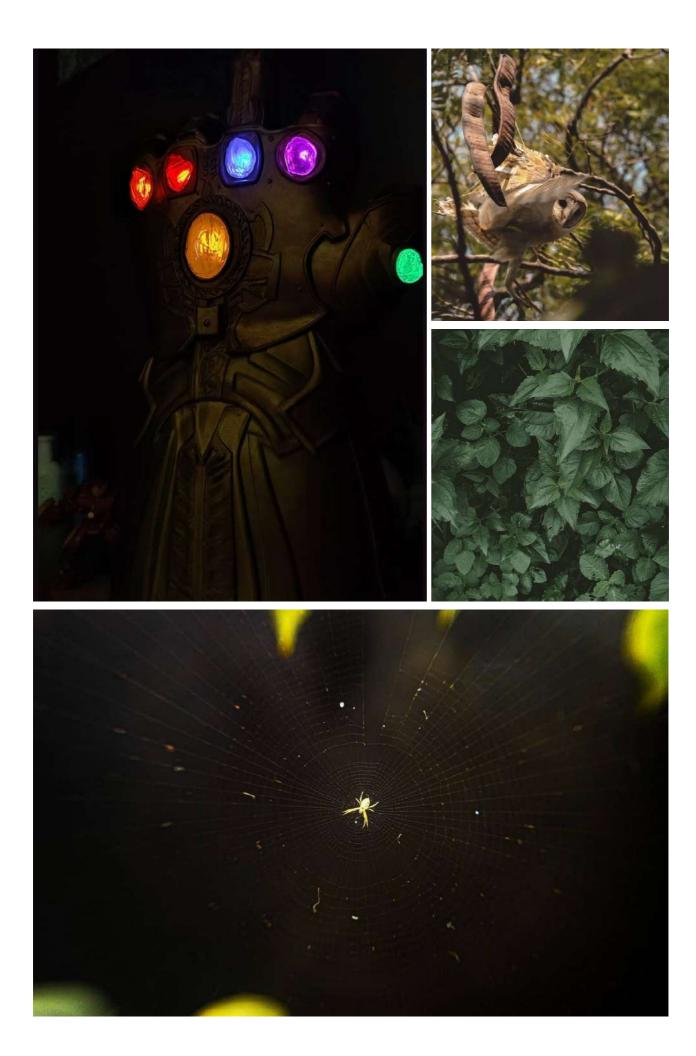


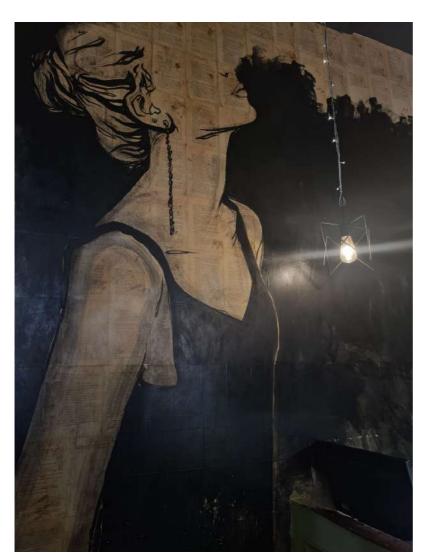




Nithish Kumar

Nithish Kumar B from I year AI&DS, has an eye for capturing **marvel**lous pictures with diversed themes. He has a knack for angles and perfect portrayal of lights and shadows.





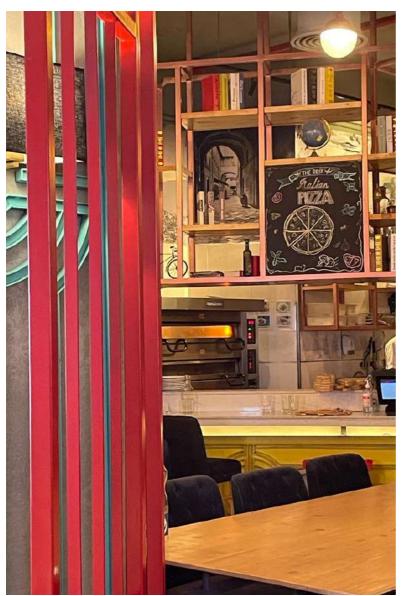






Preethi K

Preeti K from CSE B, I year captures snapshots pertaining to restaurants. She beautifully illustrates the calm and peaceful ambience of eateries and its delicious food.













CAPTURE TIME ON A FRAME





Yashwanth Krishnan

YASHWANTH KRISHNAN from CS-I year has an impeccable eye for capturing photographs of fauna. He illustrates the essence of life's beauty with patience and perseverance.



Ramanaprasath G

Ramanaprasadh G from I year- AI &DS captures appetising snapshots of multicuisine food. These mouth-watering, magazine cover worthy stills of food make us famished.









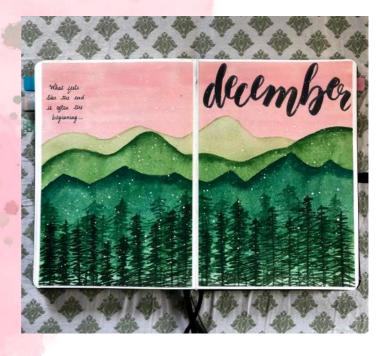


THROUGH ANARTIST'S LENS

"Art is when you hear a knocking from your soul... and you answer" - Terri Guillemets

Artistry is a labyrinthine of sentiments. We call someone an artist if they possess the ability to capture every ounce of emotion coursing through their veins. It's an explosion of color exploring every inch of an endless field of white canvas portraying the artist's conscience as they navigate their heartbreak, vanity, euphoria and rage all at once with a passion never seen or heard before.





Subasri Govindan AI & DS

<u>About</u> <u>the Artist</u>

Subasri is a talented capable artist o f capturing the serene beauty of the world around us. Ethereal landscapes and abstract concepts are her favorite things to bring to life on a paper. Her stills of of various aspects •the like natureseasons are changing certainly something to behold!







Shruthika S CSE - C

<u>About</u> the Artist

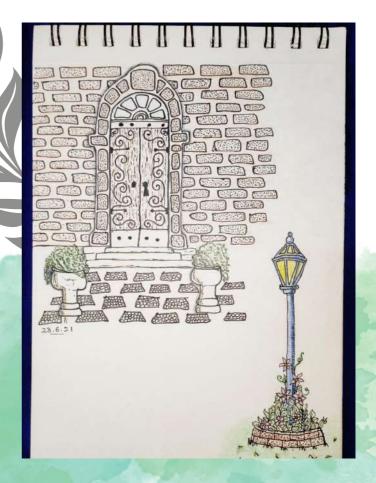
Geometry is the archetype of all forms of beauty and that's exactly what Shruthika brings to the fore front. She makes use of various shapes, colors and intricate, floral patterns, giving an almost ornamental finish to her works. This takes great patience, precision and skill!





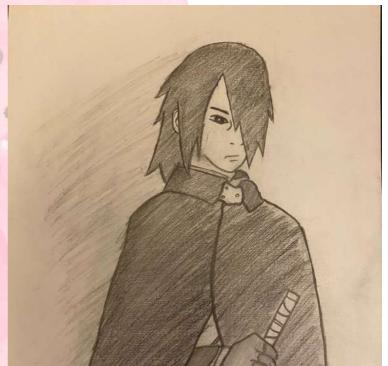






Shruthika S CSE - C



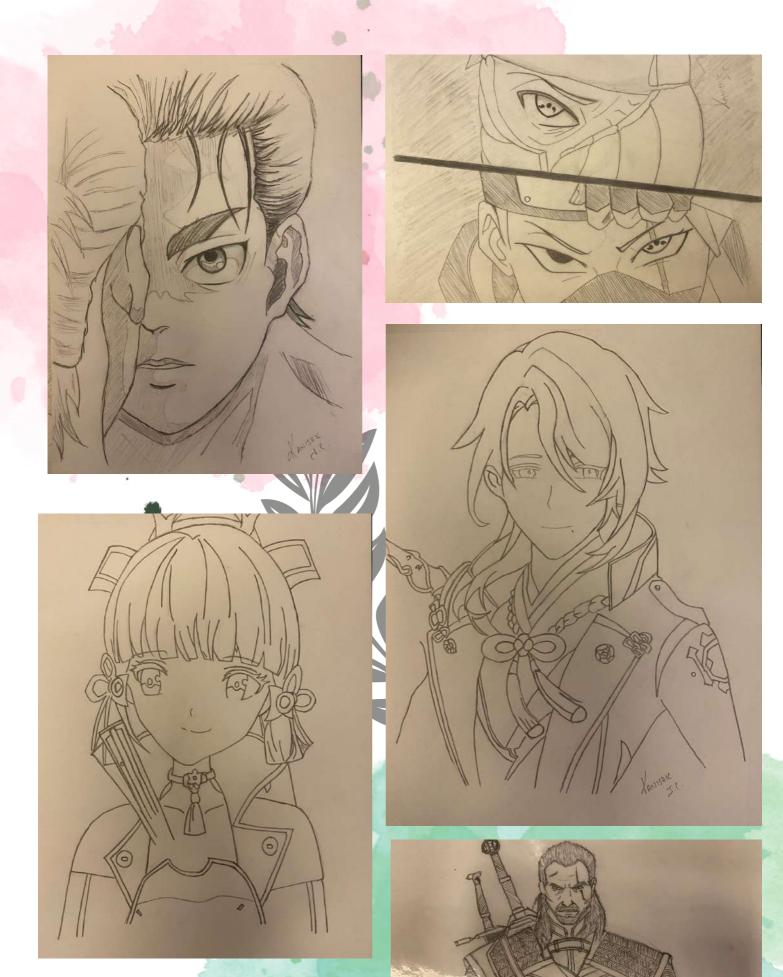




<u>About</u> the Artist

Anime!! Where do Ι even begin? It is gateway into fantastical world filled with stealthy shinobis who escape the night into overpowered paladins that save the day. I grew up watching a n d was anime inspired to draw my childhood heroes.





Kanishk Raman JC CSE - B



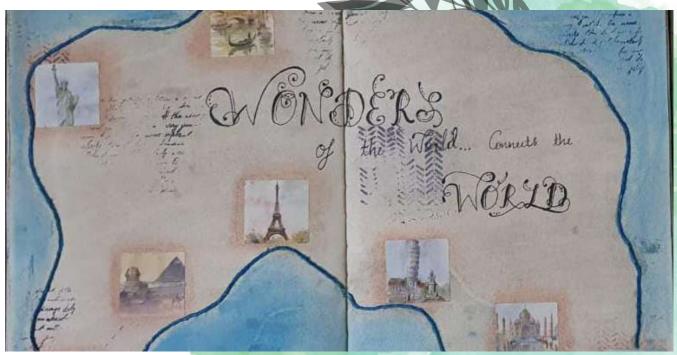


Vignesh RS AI & DS

SCRAPBOOKING

Meenakshi R AI & DS







Meenakshi R AI & DS

Scrapbooking is extremely popular craft segment that specializes in combining different forms of media such as: pictures, ribbons, newspaper cut outs and whatnot onto a single empty canvas. Much like how we choose our friends and i n turn enhance lives. our Scrapbooking is a way enhance little elements and 🥒 create something truly pleasing to the eyes.









ACHIEVEMENTS



Article Published in Boodha Kannadi

Student R. Rithania, pursuing III year in the department of Computer Science and Engineering is published in the article "Boodha Kannadi", a monthly magazine in Karakudi and the neighbouring towns.



பல்கலைச்செல்வி

மகன்தந்தைக் காற்றும் உதவி கூவன்தந்தை என்நோற்றான் கொல்லைனும் சொல்

இந்தக்குறள் மகனுக்கும் பொருந்தும்; மகளுக்கும் பொருந்தும். தனசேகரன் – சங்கீதா இவர்களின் மூத்த மகள் இரா. ரித்தன்யா. தனது பாட்டி உமாராணி அவர்களின் அன்பில் இளம் வயது முதல் வளர்க்கப்பெற்றார்.

வித்யாகிரி மெட்ரிக் மேல்நிலைப் பள்ளியில் தன் பள்ளிப் படிப்பை முடித்துத் தற்போது ஸ்ரீ பெரும்புதூரில் உள்ள ஸ்ரீ வெங்கடேஷ்வரா பொறியியற் கல்லூரியில் இரண்டாம் ஆண்டு படித்து வருகிறார். நான்கு வயதில் தொடங்கிய இவரது ஆன்மிக – இலக்கியப் பயணம் இன்று வரை தொடர்கிறது. பகவத்கீதை ஒப்பித்தல் போட்டியில் ஆயிரக்கணக்கானோரில் முதல்பரிசு பெற்றபோது ரித்தன்யாவின் வயது நான்கு. மனப்பாடம் செய்யும் ஆற்றலும், மேடையைக் கண்டு அஞ்சாத துணிச்சலும் இளமையிலேயே வாய்க்கப் பெற்றார்.

பேச்சு, எழுத்து, நடனம், பாடல் எனப் பல பரிணாமங்களில் தன் திறமை மூலமாகப் பல்வேறு சாதனைகளைப் படைத்துள்ளார். கர்நாடக இசையை



முமுமையாக ஆர்வத்துடன் கற்றுப் பல்வேறு மேடைகளில் பரிசுகளை அள்ளிக் குவித்துள்ளார். தமிழ், ஆங்கிலம் என இரு மொழிகளிலும் சரளமாகப் பேசும் திறனும் படைத்தவர். 12–ஆம் வகுப்புப் படிக்கும்போது சண்முகநாதன் பொறியியற் கல்லூரியில் நடைபெற்ற பல்திறன் போட்டியில் ஆங்கிலப் பேச்சு, ஆங்கிலக் கட்டுரை, ஆங்கிலக் கவிதைப் போட்டியில் முதல் பரிசு என ரொக்கப்பரிசு 15,000 பெற்று ஒட்டு மொத்த வெற்றியாளராக சிறப்புப் பெற்றார்.

இயற்றமிழ், இசைத்தமிழ் இரண்டிலும் தகுதி பெற்றிருந்தமையால், ஆலயங்களில் ஆன்மீக இசைச் சொற்பொழிவைத் தொடங்கினார். காரைக்குடி, இராம நவமி மண்டபத்தில் 'சீதாகல்யாணம்' என்ற தலைப்பில் உரையாற்றியதே இவரது முதல் சொற்பொழிவு. அனுமன் அத்யாயம், முப்பெரும்தேவி, ஆண்டாள் கல்யாணம், கீருஷ்ணலீலை, நவராத்தீரி, சாய்பாபா, விநாயகரின் வெருமைகள், கந்தன் கருணை எனப் பல்வேறு தலைப்புகளில் உரை நிகழ்த்தி, தமிழகத்தின் பல்வேறு இடங்களில் தனது ஆளுமையால் உலா வந்து கொண்டிருக்கிறார் இந்த இலக்கிய நிலா. 'கீளம் உபன்யாச விடிவெள்ளி' என்ற விருதையும் பெற்றுள்ளார். பல்வேறு தொலைக்காட்சிகளில் தன் இசைத் திறனை வெளிக் காட்டிப் பெருமை பெற்றார்.

அரிமாசங்கம், சுழற்சங்கம் நடத்திய பல்வேறு போட்டிகளில் தொடர்ந்து பரிசுகளை அள்ளிய பெருமை இவருக்கு உண்டு. பரதமும் முறையாகப் பயின்றவர். மகாகணபதி ஆலயத்தில் நடைபெற்ற விழாவில் இவரது பரதத் திறமை கண்டு பாராட்டி '**நடனமாமணி**' எனப் போற்றினர். பல்வேறு பாராட்டும், பரிசும், விருதும் பெற்றுள்ளார். 2013 ஆம் ஆண்டு ஸ்ரீ சாய்பாபா சமீதியில் நடைபெற்ற நவராத்திரி விழாவில் '**முப்பெருந்தேவி**' எனும் தலைப்பில் இவர் ஆற்றிய சொற்பொழிவை அன்றைய நாடாளுமன்ற உறுப்பினர் சுதர்சன நாச்சியப்பன் வெகுவாகப் பாராட்டினார்.

10.10.2016 அன்று வெளியான தினமலா் நாளிழின் அக்கம் பக்கம் பகுதியில், '**படிப்பு மட்டுமே வாழ்க்கை கில்லை**' என்ற தலைப்பில் இவரது பன்முக ஆற்றலைப் பாராட்டி வெளியிடப்பட்டது. படிப்பாற்றலோடு படைப்பாற்றலை வளா்த்துக் கொள்ளும் பிள்ளைகள் தான் போட்டி நிரம்பிய உலகில் வெல்ல முடியும்.

Guest Speaker at NASA

Our Final Year CSE student AJAY KRISHNAN G. was recently invited as a guest speaker to present at NASA's Frontier Development Lab on the 15th of July 2020 on the topic" Self Supervised Learning for Computer Vision". Frontier Development Lab is an AI Research accelerator which brings in scientists from NASA to work with their industrial and research counterparts in other domains to help and address the problems via AI using Space Research.



AJAY was invited to present his results of the research followed by a one-hour Question and Answer session on the given topic. After the initial presentation and the QnA session, He was invited for a private session by a particular team where Ajay was given the opportunity to answer questions and provide solutions to problems which were more related to the use-cases they were implementing.

SIH20-Smart Vehicle

Final year students Navin S - Team Lead, Kamalnath V, Sai Ramya D, Lokesh S, Niranjana Prabu, Pranav M have won the first place with a cash prize of one lakh domain titled "Smart Vehicle" in AICTE Smart India Hackathon 2020, Mumbai Nodal Centre under the guidance of Mr. K. Srinivasan, AP/CSE.



MITCOVID19 Challenge

Student, Yerragogu Harshitha of III Year CS C has participated as a team member and won first place in the MITCOVID-19 Challenge hackathon hosted online by the Massachusetts Institute of Technology, from Aug 28 to Aug 30, 2020.

She has been a part of the Team: M.A.H.I (Mind And Health Innovation) and played a role as, "Data scientist and Web developer".

I am happy to share you that this team has won the First place in "MIT COVID-19 Challenge, India: Turning the Tide".



Track H. Providing Mental Health Support Resources



M.A.H.I

- o Problem: Mental Health Issues of Rural India
 - Solution: Provide free mental health services to connect rural India with specialists

Khushi

- Problem: the mental health issues faced by our front line workers
- Solution: an app that helps resolve mental illnesses in frontline workers

Ananda

- o Problem: Lack of an all in one, end-to-end platform for mental health
- Solution: An application that identifies mental health problems, provides resources in different languages and is a forum for like-minded individuals to connect.

CrossLives

- Problem: Providing Mental Health Communication Support Platform.
- Solution: An Intelligent Ubiquitous Cross-Communication Platform.



SIH'20-FUBAR

Team FUBARs comprising of Yuvaraj J (Team Lead), Shriram S G, Soorya Prakash R, Sarjhana RB, Vishal V and Sudharsan J from Final year CSE 'C'mentored by Mrs.G.Janakasudha, AP/CSE has won the First place with a cash prize of Rs. 1,00,000 in the Smart India Hackathon 2020 for the problem titled "Midday Meal Analytics" given by CISCO DevNet, conducted online by AICTE at the nodal centre REVA University, Bengaluru, from 1st to 3rd August 2020.



DIGITAL DREAMZ'2020

Final year 'A' batch students Ms. B. Harini Shree and Ms. J. S. Anandatirtha have won third prize in the virtual presentation of a paper titled "TouristSpot: Identification and Recommendation using Classification Algorithms" in the "TekThesis" event of National level virtual symposium organized by Kalasalingam Academy of Research and Education (KARE) in association with Computer Society of India Student branch on 08.08.2020.



SCHOOL OF COMPUTING Certificate No.: XDRCFT011

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Achievement

This is to certify that Mr./Ms.B.Harini, Shree from Sri Venkateswara College of Engineering has won third in the event of TekThesis in **DIGITAL DREAMZ'2020** a National level virtual symposium organized by Department of Computer Science and Engineering, KARE in association with Computer Society of India Student branch (I01084) on 08.08.2020.

I. Farige

Coordinator

Dean/SoC



SCHOOL OF COMPUTING Certificate No.: XDRCFT012 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Achievement

This is to certify that Mr./Ms.J.S., Anandatirtha from Sri Venkateswara College of Engineering has won third in the event of TekThesis in **DIGITAL DREAMZ'2020** a National level virtual symposium organized by Department of Computer Science and Engineering, KARE in association with Computer Society of India Student branch (I01084) on 08.08.2020.

Coordinator

ordinator

HoD/CSE

Dean/SoC

Internship in Amazon

S. Mahalakshumi Visvanathan of Final year CS is selected to pursue her internship in Amazon Development Centre (India) Private Limited, as a Software Dev Engineer - Intern with a monthly stipend of Rs.60, 000. The offered internship is for a period of 6 months, commencing from 18-Jan-2021 to 16-Jul-2021.



INTERNSHIP LETTER

Mahalakshumi Visvanathan No. 40 Kumaran st, Vijayalakshmipuram, Ambattur Chennai – 600053 TN IN

Dear Mahalakshumi,

On behalf of Amazon Development Centre (India) Private Limited, a company incorporated under the laws of India, having its registered office at # 26/1, Brigade Gateway, World Trade Centre, 10th Floor, Dr. Rajkumar Road, Malleshwaram (W) Bangalore - 560 055. Karnataka India (hereinafter the "Company" or "Amazon India"), we are very pleased to issue this Internship Letter for the position of an Intern at Chennai, India.

Your internship with the Company will be subject to your acceptance of this Internship Letter and the terms and conditions set forth hereinbelow on or before 10 business days in the manner provided for by the Company.

PALS INTERNSHIP

Revathy V has been selected for employment as "Ninja Programmer" at Lister Digital with an initial offer of 4.75 LPA. They will be offered 15K per month during the internship period.

S.NO	Candidate Name	College Name	Selected Category
1	Revathy V	SRI VENKATESWARA COLLEGE OF ENGINEERING	Ninja Programmer

PALS-NEXGEN 3D HACKATHON

Third year Computer Science & Engineering students, Sree Vishal.R, Srivatsan.V and Seshai Hari have won First place in the PALS-NEXGEN 3D Hackathon 2021 under Computer Science and Information Technology Channel conducted by Pals on March 1st week 2021. It is 96 hour Challenge with participants from various partner institutes (SVCE, VCET, RAMCO, MAMCET, SAIRAM, NANDHA, RI, VCEW, KPRIET, SAVEETHA, SONA, DRMGR, KSR, SRMIST, HITS).

Summary of the event:

No. of teams registered for the qualifier test: 183(All Partner Institutes)

No. of teams that took the test: 150(All Partner Institutes)

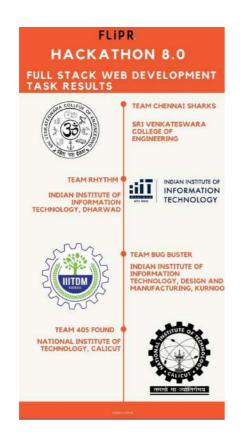
No. of teams qualified and received a case study of their choice: 70(All Partner Institutes)

No. of teams that submitted a document and video after 96 hours: 30(All Partner Institutes)

No. of teams that turned up for the viva: 27(All Partner Institutes)

Web Development Task in Flipr Hackathon 8.0

Our students Mr. Nikhilesh S, Mr. Poujhit MU and Mr. Naveen Sriram R of II CS B section won first place in the 54 hour Hackathon event "Web Development Task in Flipr Hackathon 8.0" conducted by Flipr Innovation Labs from April 23,2021 to April 25, 2021.





GUVI-Guinness World Record

Ms. Janani V and Ms. Meenakshi R of I Year Artificial Intelligence and Data Science who have participated in the Guinness World Record Event - Most users to take an online computer programming lesson in 24 hours, organized by GUVI on April 24th, 2021, 6 PM to April 25th, 2021, 6 PM.





Ms. Rithania R of III Year Computer Science and Engineering who has participated in AI for India 1.0, a Guinness World Record Event organized by GUVI and Built a Face Recognition APP using ML and AI.



Ms. Harshitha J of I Year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event - Most users to take an online computer programming lesson in 24 hours, an initiative taken by GUVI in association with AICTE, N.E.A.T and Buddi.ai on April 24th 2021, 6 PM to April 25th 2021, 6 PM.



Ms. Akshaya Murali, I Year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event - Most users to take an online computer programming lesson in 24 hours, an initiative taken by GUVI in association with AICTE, N.E.A.T and Buddi.ai on April 24th 2021, 6 PM to April 25th 2021, 6 PM.

Ms. Aiswarrya B of I Year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event - Most users to take an online computer programming lesson in 24 hours, an initiative taken by GUVI in association with AICTE, N.E.A.T and Buddi.ai on April 24th 2021, 6 PM to April 25th 2021, 6 PM.

Mr. Kolla Mohan Rao, I year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event - Most users to take an online computer programming lesson in 24 hours, an initiative taken by GUVI in association with AICTE, N.E.A.T and Buddi.ai on April 24th 2021, 6 PM to April 25th 2021, 6 PM.



Ms. Chintha Shanmukha Ratna, III year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event, AI-FOR-INDIA 1.0 and successfully built a FACE RECOGNITION APP using Python AI for India 1.0 an initiative taken by GUVI in association with AICTE and Buddi.ai.



Ms. Pooja, I year Computer Science and Engineering who has successfully participated and completed the Guinness World Record event, AI-FOR-INDIA 1.0 and successfully built a FACE RECOGNITION APP using Python AI for India 1.0 an initiative taken by GUVI in association with AICTE and Buddi.ai.



Mr. Adityavignesh V of I Year Computer Science and Engineering who has awarded the certificate of achievement for the successful completion of BUILD A FACE RECOGNITION APP using Python an initiative taken by GUVI.

I Year Artificial Intelligence and Data Science students who have participated in AI for India 1.0 Event, a Guinness World Record Event organized by GUVI on April 24th 2021, 6 PM to April 25th 2021, 6 PM.

Register Number	Name of the Student	Topic	
200502004	BAANU REKHA S	Most users to take an online computer programming lesson in 24 hours	
200502010	GANESHH S	Built a Face Recognition Application using Python	









"Education is priceless & no one can steal it from you"
-Sridevi, Co-founder & Ex-COO of GUVI

CERTIFICATE OF PARTICIPATION

This is to certify that

Baanu Rekha

has successfully completed participating in The Guinness World Record Event –
Most users to take an online computer programming lesson in 24 hours
on April 24th 2021, 6PM to April 25th 2021, 6PM



Verified certificate issue on 1 May 3 2021

S.P. Balamurugan Co-Founder, CEO Valid certificate ID : 0w2901H2200r316Z1U

Verify certificate at: www.guvLin/certificate?id=0w2901H220Gr316ZIU



'Education is priceless & no one can steal it from you'
-Sridevi, Co-founder & Ex-COO of GUVI

Ganeshh S

is here by awarded the certificate of achievement for the successful completion of

Build a Face Recognition Application using Python as part of Al- For-India Event



Certificate issue on: April 25 2021 S.P.Balamurugan

Co-founder, CEO

Valid certificate ID : Zt03Kab99612801353

Verify certificate at: www.guvi.in/certificate?id=Zt03Kab99612801363

PATENT PUBLISHING

Dr. P Janarthanan, Associate Professor, Department of Computer Science and Engineering, for publishing a patent titled: "Deep Learning Approach to Attack Handling of IoT Enabled Network Services".





Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Same of the State	GO SETTEMBER SECTION OF THE SECTION				
Application Details					
APPLICATION NUMBER	202041037478				
APPLICATION TYPE	ORDINARY APPLICATION				
DATE OF FILING	31/08/2020				
APPLICANT NAME	1 . Mr.Deepak Raju R 2 . Mr.Abishaik Mohan 3 . Dr. P. Janarthanan 4 . Dr. A. Kavitha 5 . Mr.Pavithran K				
TITLE OF INVENTION	DEEP LEARNING APPROACH TO ATTACK HANDLING OF IOT-ENABLED NETWORK SERVICES				
FIELD OF INVENTION	COMMUNICATION				
E-MAIL (As Per Record)	1997deepakraju@gmail.com				
ADDITIONAL-EMAIL (As Per Record)	1997deepakraju@gmail.com				
E-MAIL (UPDATED Online)					
PRIORITY DATE					
REQUEST FOR EXAMINATION DATE	_				
PUBLICATION DATE (U/S 11A)	11/09/2020				

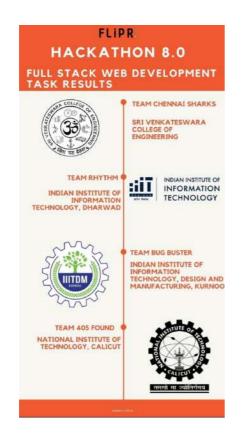
TECHNOCRATS 2021

I - Year -B- Section student, Mr. Lakshmi Narayanan S won in ANDROID DEVELOPMENT in National Level Technical Symposium TECHNOCRATS 2021 held virtually on 24/04/2021 organized by Department of Computer Science and Engineering, Rajalakshmi Institute of Technology, Chennai.



Web Development Task in Flipr Hackathon 8.0

Students Mr. Nikhilesh S, Mr. Poujhit MU and Mr. Naveen Sriram R of II CS B section won first place in the 54 hour Hackathon event "Web Development Task in Flipr Hackathon 8.0" conducted by Flipr Innovation Labs from April 23,2021 to April 25, 2021.





Intugine Technology, Bangalore Intern

Mr.MU.Poujhit, II year CS B student was given an opportunity to join as Front-end Intern at Intugine Technology, Bangalore after participating in the Flipr hackathon 8.0, 54 hour Hackathon.

He was given the offer letter to join as Front-end Intern at Intugine Technology Bangalore from May 24th 2021 during his second year itself. The details are as follows:

- 1. Duration of internship 3 months
- 2. Date of joining May 24,2021
- 3. Stipend Rs.12000/- per month
- 4. Online mode



19th May, 2021

Dear Poujhit

We are pleased to offer you an opportunity as a Product Intern with Intugine Technologies.

Title: Front-end Intern Date of Joining: 24th May, 2021 Reporting Manager: Navneet Lal Gupta Internship Tenure: 3 Months Stipend: 12,000/-

Please revert to us by 20th May, 2021 to confirm the acceptance of this Offer Letter. If this date is not acceptable, please contact us immediately.

Congratulations! And we look forward to welcoming you as part of the Intugine Technologies Team



Mrinal Rai

Human Resource Manager Intugine Technologies Pvt. Ltd.

ICRSCT-2021

Final year students Mr. S Deepak, Mr. Jai Kailash and Mr. P Jagathratchagan won first prize in the "International Conference on Recent Trends in Science, Communication and Technology (ICRSCT-2021) 2021" which was held on 29th and 30th May 2021 for their research work titled: "Handwritten Tamil Character Recognition Using Convolution Neural Network by Adam Optimizer" under the guidance of Ms. R Iyswarya, AP/CSE.

They have received a cash prize of Rs.700/- and was donated towards the CM Public Relief fund as a small contribution.

	(ategory	- Faculty		
Sr. No	Title of F	Title of Paper		Author's	
1	Krishi Mitra: Innovative and Sustainable Approach towards Site Specific Agriculture		Tarannum Sayyad, Shweta Poojari, Ritvika Pawar, Samrudhi Shinde, Supriya Magar		700 /-
Sr.	Title of		- Student	Position	Prize
No	Paper	Author's		1 osition	11120
1	Handwritten Tamil Character Recognition Using Convolution Neural Network by Adam Optimizer	Mrs. R. Iyswarya, S. Deepak, P. Jagathratchagan, Jai Kailash		lst	700 /-
2	Building a Dataset for Detecting Fake News in Amharic Language	Tewodros Tazeze, Raghavendra R		2nd	500











GOVERNMENT OF TAMILNADU

FINANCE (CMPRF) DEPARTMENT

Fort St. George, Secretariat, Chennal - 9

31/May/2021

From

Joint Secretary to Government and Treasurer Finance (CMPRF) Department Secretariat, Chennal- 600 009.

To

Thiru /Tmt. /Selvi /M/s. Jai Kallash

Sir/Madam,

Sub : Contribution received towards Chief Minister's Public Relief Fund - Receipt

Please find enclosed the receipt for your valuable contribution towards Chief Minister's Public Relief Fund vide number VAXG0006615528 for Rs. 700.00 /- (Rupees Seven Hundred Only.)

Thanking you

Yours faithfully

Joint Secretary to Government and Treasurer

Chief Minister's Public Relief Fund

Encl.: Acknowledgement No. ACK2021JAI086526



CHIEF MINISTER'S PUBLIC RELIEF FUND TAMIL NADU

Ack No : ACK2021JAI086526

Received with thanks from Thiru /Tmt. /Selvi /M/s. Jai Kailash(PAN: BSEPJ9576M) a sum of Rs. 700.00 /- (Rupees Seven Hundred Only) as donation towards 'Chief Minister's Public Relief Fund' through the Online Portal https://ereceipt.tn.gov.in.

Contribution to CMPRF is 100% tax exempt under Section 80G(2) of the Income Tax Act, 1961 vide PAN No.AAAGC0038F .



Chennal.

Joint Secretary to Government and Treasurer

31/May/2021

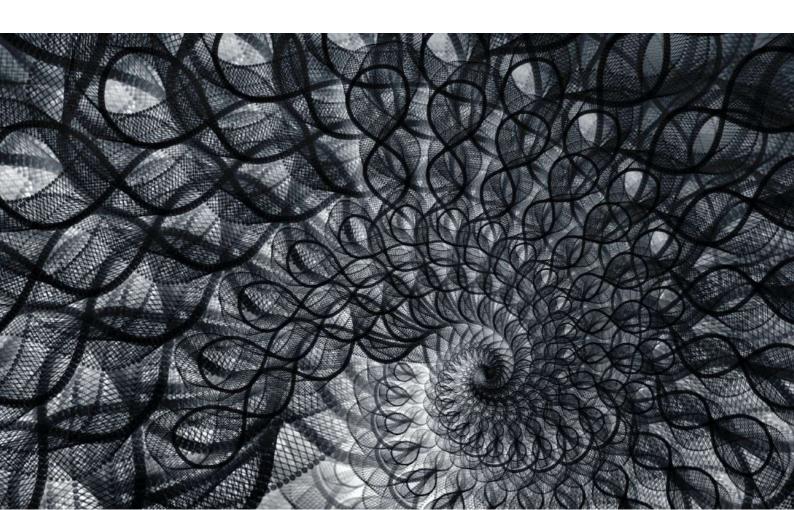
Chief Minister's Public Relief Fund





2021-2022

INDUSTRIAL VISIT



INDUSTRIAL VISIT

BRAKES INDIA FOUNDRY DIVISION, SHOLINGHUR

Virtual Tour - 2021

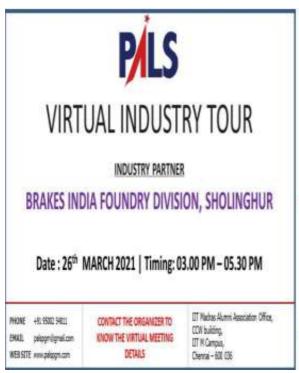
Mr.P.Selvamani, Assistant Professor, Department of CSE and Third Year Students participated in the Virtual Tour. Mr R. Ganapathy Subramaniam, General Manager give an overview about the manufacturing of Permanent Mould Grey Iron castings with an installed capacity. The Foundry Division installed a DISAMATIC High pressure moulding line with a capacity of 6,000 MTPA to produce Grey and Ductile Iron Sand castings. Third DISAMATIC moulding line with a capacity of 18,000 MTPA was installed. A fourth DISAMATIC with 26,000 MTPA capacity was installed in 2005. State of the art manufacturing plant was set up at Salalah, Sultanate of Oman during March 2008 to meet the International customers' requirement.



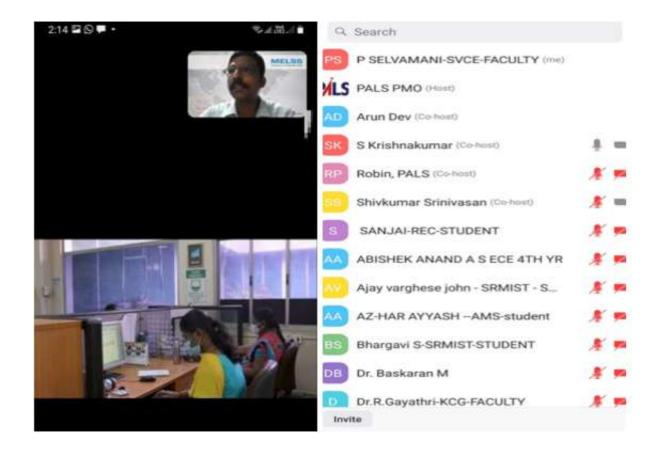
INDUSTRY PARTNER
BRAKES INDIA FOUNDRY DIVISION, SHOLINGHUR

Date: 26th MARCH 2021 | Timing: 03.00 PM - 05.30 PM

PHONE +91 95002 54011 EMAIL pelspgm@gmail.com WEB SITE www.pelspgm.com CONTACT THE ORGANIZER TO KNOW THE VIRTUAL MEETING DETAILS IIT Madras Alumni Association Office, CCW building, IIT M Campus, Chennai – 600 036







E-YATRA

2020-2021

CLUBS





(ASSOCIATION OF COMPUTING MACHINERY)

Started in 2012 with an aim to advance awareness of computer science and technology, the SVCE-ACM student chapter is a premier computing society belonging to Sri Venkateswara College of Engineering.

Visit their Website!

Click here

(or)

Enter this link in your browser

https://svce.acm.org/index.html

Like every student chapter of ACM across the world, the SVCE chapter strives to bring together people from all walks of campus life - teachers and students alike with the purpose of relentlessly inspiring fellow students into tackling the field of computer science with passion and curiosity. The members of this organisation aim to develop students technical and professional skills, all while cultivating an inclusive and supportive community for those interested in computer science. We achieve this through various events, ranging from quizzes and debates to workshops, seminars. and Hackathons - held throughout the year.

MADHUMITA EXECUTIVE MEMBER, ACM

I would like to describe ACM as the perfect platform that helped me hone my collaboration and organizational skills. It is an immense pleasure to be a part of the SVCE ACM Student Chapter and organize events (both online and offline) and webinars. Both the technical knowledge and the management skills that I gained here has helped me increase my network and this makes it easy for me to connect with people. ACM has helped me stand out of the crowd by giving a lot of opportunities to come up with fresh ideas and organize exciting events. I also want to thank my seniors and our Chapter's faculty coordinators who always support and quide us throughout thereby helping us become better each time. I'm eagerly looking forward to organize more enthralling events in the upcoming academic year.



NIRUPAMA RANGABASHYAM MEMBER VOLUNTEER, ACM

The ACM is an association present in every institution around the world. Its main aim is to provide budding computer engineers, opportunity to hone their technical and soft skills by participating in various events conducted by the club. Apart from being a part of the learning experience for other students, the ACM is home to those who wish to understand what it's like to be a part of a workforce with the same goal. This is what makes it one of the most popular clubs in the computer science world. Here, people like me are allowed to explore hidden management skills that I feel are vital in the professional world. My experience with ACM has taught me what it's like to work with people who are not like-minded and how we can integrate our approaches and embrace our differences to create something memorable.



(ASSOCIATION OF COMPUTER ENGINEERS)

ACE is the birth place of many innovators, who have brought laurels to the department, in turn to the college. It is proud, happy and noteworthy that ACE has crossed two decades from its inception. ACE plays a significant role as an adjunct to the course work.

Visit their Website!

Click here

(or)

Enter this link in your browser

https://acesvce.in/

The Association of Computer Engineers (ACE) of SVCE is a place where hidden talents get its ideal platform, where skills are given merit for their due credit and this is where good becomes better and better becomes best in the journey towards excellence. It is gratifying and noteworthy that ACE has crossed more two decades than from its commencement. From its genes in 1992, ACE has grown and established itself as one of the most influential and wellknown clubs of SVCE. ACE hosts a wide plethora of events every year, with our symposium 'Interrupt' being the flagship event to provide the students with a window of opportunity to shine and stage their skills.

LAKSHMI SRUTHI K EXECUTIVE MEMBER, ACE

I've always wished to be part of organising events and work with people sharing similar goals. As a newbie to clubs and club activities I got selected in ACE as a member. My wishes came true as I got to work with mind-blowing peers and seniors who guided me throughout.

In ACE, we conduct technical and non-technical events for budding engineers to learn and compete simultaneously. It is a great platform for participants and also the club members who gain exposure to the hidden managerial aspects on conducting an event. Overall, being part of ACE has improved my peerlearning skills and has inculcated in me the required soft skills.



ADITYARAJEN R EXECUTIVE MEMBER, ACE

Working with ACE has been a wonderful experience. The assistance and direction you receive from your peers and faculty is one of ACE's major perks. The variety of technical activities we put on also boosted our confidence and enhanced our leadership and event management abilities. You need to think about joining this club for a variety of reasons, one being this. Overall, it was a great pleasure working here.

E-YATRA

2020-2021

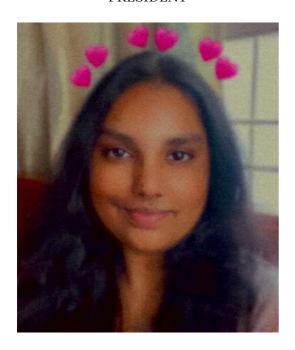
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