

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

*E-NEWSLETTER*

# BITS & BYTES

VOLUME VI ~ ISSUE II | JULY - DECEMBER 2022



# Director's Desk



## Dr. N.S. Rathore

DIRECTOR

The field of Computer Science Engineering is an ever exciting and dynamic one in present context. I am constantly amazed by the rapid pace of technological advancement and the limitless possibilities in it.

In today's society, a strong foundation in Computer Science and Engineering is essential for success in many fields and industries and by staying current with the latest technologies and developments, you will be well-equipped to make a difference in the world. I also encourage you to stay up to date with the latest developments in technology and its present state of art and finally to seek out opportunities to learn and grow, whether it's through attending conferences, participating in hackathons, or simply staying current on the latest research and development and stay at the forefront of the field.

However, education is not just about gaining practical skills and knowledge, it is also about critical thinking, problem-solving, and the ability to adapt and learn new things and technologies. These are all essential qualities that will serve you well in your personal and professional lives. So as you embark on this journey, remember to approach it with a passion for learning and a desire to make a positive impact through the power of technology.

# HOD's Desk



## Dr. Mayank Patel

HOD, DEPARTMENT OF COMPUTER  
SCIENCE ENGINEERING

The very motto of our department is to provide quality education. The process of learning is extremely important in life.

As we know, the field of Computer Science Engineering is constantly evolving and it can be challenging to keep up with the latest developments. However, I have no doubt that each and every one is up to the task.

The passion for technology and determination to succeed are evident in everything, and I am confident that our institute will go on to make significant contributions to the field. I encourage our students to take advantage of the resources which are available at our institute and to reach out to the professors and advisors for support whenever they need it.

Our Engineers will emerge as assets not only to this institution but also to the country.

# About Computer Science and Engineering Department

The Department of Computer Science and Engineering educates and conducts research covering wide areas of information science, from fundamental technologies such as software design, object oriented programming, computer architecture, database system, discrete mathematics, and Internet technologies, which support infrastructures of the highly information-oriented society, to applied and advanced technologies including multimedia, robotics, computer vision, data mining, human-machine interface design, computational science, life science, distributed computing, and theoretical computer science.

To achieve our mission, we provide attractive educational programs for students to learn from the basics to advanced technologies related to computer science and engineering. Through our educational programs students are expected to become leading engineers and researchers who are highly motivated and have practical, creative, and management skills to drive an advanced next-generation information society in all industrial fields.

The growth of the department is mainly due to the high quality graduates of the department who are currently working in the industry and pursuing higher education home and abroad. Most of our graduates are getting employed with in the last trimester of their undergraduate or within a very short period. Our graduates are successfully working in reputed companies and organizations.

## **Vision of CSE Department**

To nurture the students to become employable graduates who can provide solutions to the societal issues through ICT.

## **Mission of CSE Department**

To focus on practical approach towards learning and exposing the students on the latest ICT technologies.

To foster logical thinking among the students to solve real-time problems using innovative approaches.

To provide state-of-the-art resources that contributes to inculcate ethical & life-long learning environment.

## **PSOs of CSE Department**

PSO1: Professional Skills: The ability to understand, analyse and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.

PSO2: Problem-Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

PSO3: Successful Career and Entrepreneurship: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

## **PEOs of CSE Department**

PEO1: To enable the students to think out-of-the-box solutions for addressing societal issues through ICT.

PEO2: To impart skills in students to analyze, design and implement Software/Hardware solutions to solve interdisciplinary and complex problems.

PEO3: To expose the students towards effective dissemination of research findings in order to become successful entrepreneurs or to pursue higher education.

# Table of Content

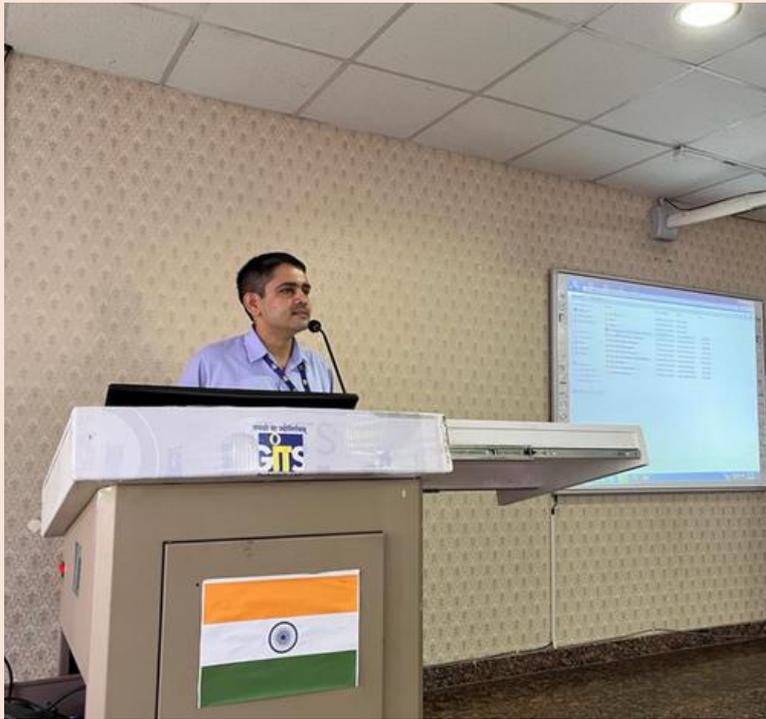
<b>Topic</b>	<b>Page No.</b>
1. Induction	1
2. Workshops	4
3. Expert Talk	14
4. Seminars	17
5. Training	26
6. Coding Events	29
7. Student Achievers	36
8. NPTEL Achievers	41
9. Placements	45
10. Internship Drive	52
11. Alumni Interaction	56
12. Academic Toppers	61
13. Student Articles	69
14. Editorial Board	80

An illustration of a virtual meeting. A large central screen displays a video conference with a presenter pointing at a whiteboard and several participants in smaller video windows. Around the screen, stylized human figures are shown sitting on the floor with laptops, representing participants in a virtual environment. The background is a bright blue with orange arcs and white circles, suggesting a digital or networked space.

# INDUCTION

# II year Induction

8th August 2022



Dr. Mayank Patel addressing the students

The induction program of 2nd year students was conducted to welcome students and to give them a brief overview about Computer Science Department. Dr. Mayank Patel, HOD CSE, welcomed students. Then he discussed the Vision and Mission of the Computer Science and Engineering Department and informed about the PO's, PSO's and PEO's with their importance.

He also discussed about the Courses, CO's. Further he informed about the assignments and assessments which will be conducted on offline and online on platforms like Google Classroom, Gate Tutor. He also discussed about the extra-curricular activities for overall development which are planned and executed by Student Developer Club.





Then he discussed about the extra courses on NPTEL and MOOC to gain extra knowledge, and which are also mandatory to acquire honor degree. Sir also explained about the training and internships to get good opportunities for placements. He also discussed about the steps taken by the department to improve placements which involve aptitude and reasoning classes, soft-skills classes, technical trainings, group discussion and mock personal interview.

He informed about class advisor and mentor mentees and introduced class advisors to their respective classes. Winding up the event sir interacted with students and asked if they have any issues. No issues were raised by students. And the event successfully ended.



# WORKSHOPS

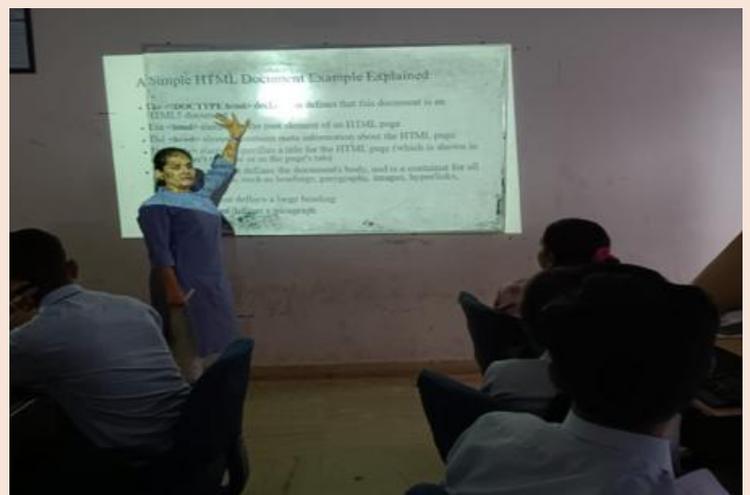
# Workshop On HTML and CSS 8th - 9th September 2022



Department of Computer Science and Engineering organized two days workshop on HTML and CSS for the students of CS(AI) branch of 2nd year to create their taste and interest for front-end development, on 08 th - 09 th September, 2022 (1:30 pm to 4:30 pm)

Dr. Mayank Patel, HOD, CSE addressed the students on the importance of HTML and CSS. Event was coordinated by Ms. Payal Sachdev Assistant professor, CSE and was resourced by Ms. Ayushi Ghill ,Assistant Professor, CSE.

Workshop was conducted in offline mode. Students participated in the workshop. On the first day, glimpse of WEB Technologies were briefed to the student with the Perquisites of Website Development, Introduction to HTML5, writing HTML code using Header Tags, Paragraphs, Ordered and Unordered Lists, Form, Links, Tables, frames, Image sText formatting, Image Maps, etc.



Ms. Ayushi Ghill teaching about html & css



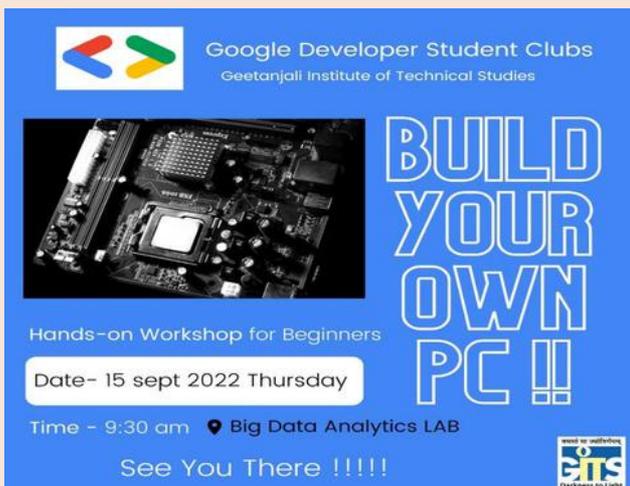
Encoding URL, Using HTML5 introduced feature embedding audio and video in a web page, drag and drop, etc and how to create a webpage using HTML. On the second day Introduction to CSS3 was briefed to the students with the Styling of HTML elements-text, links, lists and tables,

Different ways to write CSS, External, Internal, and Inline CSS, Creating Navigation Bars, Set Margins, Padding, Z-Index, Color, Font styling, Hover, Height, Width, and Positions etc. Getting started with Bootstrap 3, How to use Bootstrap features like fixed dropdown menu, carousel, text and image grids, custom thumbnails, bootstrap modal. Using Font Awesome Icons, text and image grids, signin/signup form. And in the end how to create a web page with HTML and CSS.



Ms. Ayushi Ghill conducting the session

# Workshop On Build Your Own PC 15th September 2022



Know about your pc

GDSC (Google Developer Student Club) and Department of Computer Science and Engineering organized a Hands-on-workshop on How to Build Your Own PC. The main aim was to help students build their skills, gain knowledge, connect with like-minded people, and grow as individuals.

The event was resourced and inaugurated by Mr. Bhavya Chawda (4th Year CSE) on 15th September, 2022 (9:30 AM to 12:30 Noon). The event was coordinated by Ms. Ruchi Vyas, Assistant Professor, CSE, Mr. Bhavya Chawda, Ms. Hitiksha Manoti and Mr. Anupam Bhatt. The workshop was in offline mode in our Big Data Analytic Lab.



Demonstration by coordinators



The event was inaugurated by Dr. Mayank Patel, HOD, CSE. In which 112 students participated and learned about pc, A look inside the computer, Motherboard, Processor / CPU, System Memory / RAM, etc. Unfolding the layers of abstraction of how things work under the hood, a hands-on workshop will provide a greater ability to learn and play around with things and expand your knowledge of fundamental and most essential parts of computer science domain.

Fun activities during the session

Building your own PC is a great learning process which helps you to understand your PC better. Owning a self-built PC is great fun. The process is full of packages arriving, putting things together and learning what goes where and why and how. You will love your new rig than you could ever have one from a store because it takes beyond mere hardware ownership and bestows familiarity.



Winner of the workshop

# Workshop On Artificial Intelligence 16th -17th September 2022

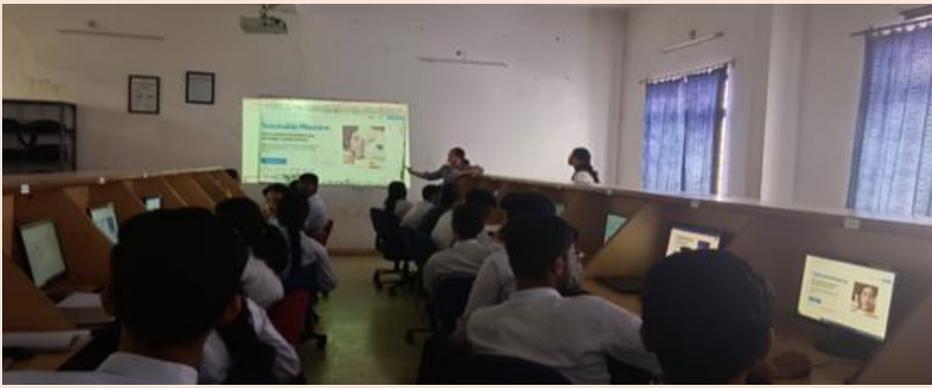


Department of Computer Science and Engineering organized two days workshop on Artificial Intelligence for the students of CS(AI) branch of 2nd year to create their taste and interest in growing AI field, on 16 th - 17 th September 2022 (1:30 pm to 4:30 pm).

Mr. Mayank patel addressed the students about the importance of the Artificial Intelligence. Event was coordinated by Ms. Ayushi Ghill, Assistant Professor, CSE and was resourced by Ms. Payal Sachdev, Assistant professor, CSE. Workshop was conducted in offline mode. 28 students participated in the workshop.

On the first day, basics of Artificial Intelligence were introduced to the students along with the working of Neural Network, Maths behind Neural Network and How to use Google teachable machines. The projects addressed on first day were:

1. To Detect Lung Disease (covid-19, viral, pneumonia and healthy) using Google teachable machine, training, testing and deploying the model;



Ms. Payal Sachdev conducting session on AI

2. Emotion AI project (A person is sad or happy using live web cam), training, testing and deploying the project.

On the second day, Introduction to Machine learning was briefed to the students along with the Concepts Behind Confusion Matrix, Feature Association in Datarobot, How to work with Datarobot and Features of Datarobot. The projects addressed on the second day were:



3. Image classification (to find image belongs to which class-fried food, dessert, seafood or vegetables), training, testing and deploying the model;



4. To detect whether a person has cardiovascular disease or not with parameters-smoking habit, alcoholic, gender, age, weight, height, diabetic, blood pressure( training, testing and deploying the model as an application).

The participants gained the clarity on the Basics of Artificial Intelligence and working of Neural Network along with Google Teachable machines, How to work with datarobot, Able to train ,test and deploy model AI model.

# Workshop On Android Compose Camp 24th September 2022

On September 24, 2022 (1:30 – 4:00 PM )GDSC(Google Developer Students Club) and the Department of Computer Science conducted a workshop on Android Compose Camp. The session was inaugurated by Dr.Mayank Patel, (HoD CSE, GITS), Ms.Ruchi Vyas (Assistant Professor ,CSE,GITS), Bhavya Chawda,(GDSC Core Team) welcomed and addressed the students in session.



The students who were new to Android development or just getting started with programming learned about basic programming concepts and fundamentals of app development.

40 students Kickstarted their journey with android, Mr. Harsh Soni (III Year CSE, student) delivered the session. This event introduced students to Android App development using Compose. They got an understanding of the content and pathways. This also helped them learn a few concepts in Compose and tips on Facilitating an impactful session. This was an event series for people who are new to Android development and want to learn how to build apps using Jetpack Compose, which is Android's modern UI toolkit. By participating in Compose Camp, they learned in a group setting with other people, to keep themselves motivated through the journey.



Students working on Kotlin

# Workshop

## On

### Google Cloud Career Practitioner

15th December 2022

On November 15th, 2022(1:30-3:00 PM) a workshop was organized by the GDSC (core team on Google Cloud Career Practitioner), Dr . Mayank Patel, HoD, CSE, GITS Ms. Ruchi Vyas, Assistant Professor, GITS Inaugurated Session and addressed the student .60 student were benefitted from this session and were able to kick start their with Google Cloud

Mr lakshit Ameta (III Year CSE, Student) delivered the session and introduced the student to the Google Cloud Career Practitioner with its first cloud session, they also learned the concept of how to create and manage resources with a hands-on lab. This was an event series for people who are new to google cloud and want to explore how the cloud works and to gain information regarding the lab, by participating in this session which is much more informative and keeps them motivated throughout the journey.



Mr.Lakshit Ameta delivering the session



# Workshop On Game Development 19th-20th December 2022

The GDSC(GoogleDeveloper Students Club) core team of Computer Science & Engineering organized a Hands-on-Workshop on game development under the supervision of Dr. Mayank Patel, HOD CSE, GITS on 19th – 20th December, 2022(12:45 – 3:20 PM). In this workshop, 60 students participated in introducing them to the latest technologies in Augmented Reality (AR) and Virtual Reality (VR) and providing them with the necessary skills and knowledge to create their own immersive experiences.

The workshop was delivered by Mr. Vinay Kumar ( III Year CSE, Student ), Through valuable insights and expertise, attendees were able to learn about cutting-edge technologies, techniques, and applications, as well as how they are transforming all aspects of life. Participants got a unique opportunity to explore the complexities of the cutting-edge world of AR/VR with hands-on experience and access to a range of developer tools and resources. They also received mentorship and advice from the GDSC Core Team throughout the workshop.

This event provided students with the perfect platform to discuss the potential applications of the latest 3D immersive technologies and their implications across various domains. What started as a dream in the eyes of our Core Team, has successfully evolved into a reality with the collective efforts of our fantastic college community. As we move forward, let us strive to encourage healthy debates and creative collaborations that push forward the boundaries of innovation. The workshop helped participants to develop a greater understanding of this field of AR-VR and its future possibilities.



Mr.Vinay Kumar delivering the session



# EXPERT TALK

# Expert Talk On Women In Entrepreneurship 3rd December 2022



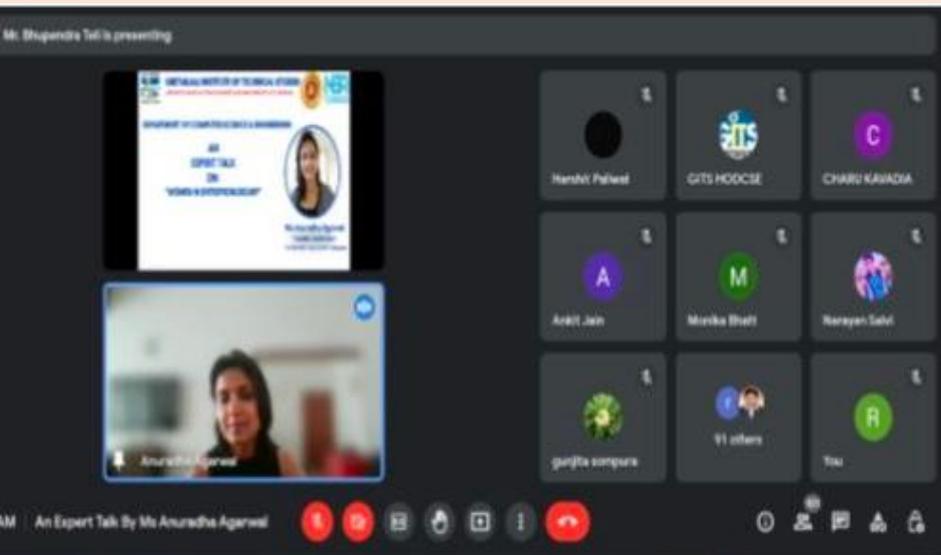
The Department of Computer Science and Engineering organized an Expert Talk on Women in Entrepreneurship to make women understand, how to establish their own start-ups.

The program was held on 3rd December, 2022 between 11:00 AM to 12:00 Noon, in online mode and the resource person was Ms. Anuradha Agrawal (Founder, Multibhashi) to encourage and uplift students for entrepreneurship.

The programme was started by Ms. Ruchi Vyas, Assistant Professor, CSE, the Event Coordinator, by welcoming all the cherished dignitary and participants. In welcome speech Dr. Mayank Patel, HOD CSE, GITS, shared his views with the participants that if they want to build their start ups the only thing required is determination and confidence.



Ms. Ruchi vyas (Assistant Professor) Inaugurated the session



Ms. Anuradha Agrawal delivering the session

The session was inaugurated by Ms. Ruchi Vyas Assistant Professor and the Event Coordinator, CSE. After that Ms. Anuradha Agrawal started the Expert Talk about explaining her career in Multibhashi. She explained, how to attract investors for their idea and how she has grown in her career.

Further she added that Women Entrepreneurship has been recognized as an important source for economic growth where women entrepreneurs can create job for themselves and others. She encouraged all female candidates to be confident enough to think about entrepreneurship.

The Expert Talk ended with query segment where students asked their doubts about the topic.

Then Ms. Ruchi Vyas summarized the outcomes of the talk. The event ended with vote of thanks by Dr. Mayank Patel, HOD, CSE.





# SEMINARS

# Seminar On Game Development 3rd September 2022

Department of Computer Science and Engineering organized a webinar to make students aware of our core, we focus on all aspects of “Game Art Engineering” and takes you to the next level of storytelling skills and artwork design. The main objective is to excel students in animation and game development and the various aspects to cater with the latest technology and new softwares.

The event was inaugurated by Ms. Ruchi Vyas (Assistant Professor,CSE) by welcoming all the cherished dignitaries and participants. In welcome speech Dr. Mayank Patel (HOD,CSE,GITS) welcomed our eminent speakers Mr. Rahul Joshi(team) and Mr. Hilor Vyas and briefed the students about precise and various animation techniques with an excellent faculty making learning full of fun doing. A job in animation can be defined as the art pf breathing life. Do Join Game Hut for the best of the best learning.



The webinar was started by Mr. Rahul Joshi. He started his seminar with Get ready to become a game artist with us! We provide the best and positive environment for the learners with well-experienced teaching methods. Mentors also provide a well-division of courses to make the learning easier and accordingly. Advanced Modeling, where you will be designing small props with textures.

Weapon Modeling, where we will clear all the modeling factors and design high-detailed realistic assets such as Gun, Sci-fi Gun, Swords, Armors, and more. Vehicle Modeling in which you will be designing realistic and ultra-realistic models with amazing textures. Character Modeling will make you design characters in ultra-realistic details with textures. Creature Modeling, where you will be making creatures in ultra-realistic details with textures. Environment Creation in which you will be creating your own environment with proper lighting. Using Maya, we will teach you how to do UV unwrapping, Rigging, and Lighting. After all the astonishing modeling part, your next tool practice will be with Zbrush. Zbrush used to provide ultra-realistic details, surfacing, and mini-micro details that make you sense a more realistic feel of the assets. Our next functional tool i.e. Substance Painter and Substance Designer, where you will be designing tileable textures in both realistic and ultra-realistic details. Learn how to make and design high detail clothes with Marvelous Designer. Learn how to create Terrain with World Machines. Our prime software Unreal Engine is the end of the Gaming Pipeline where everything You design assembles and you will learn how to create proper Environment Creation, Particles, Materials, Lighting, Effects, and Final Render.

He also discussed a few things which must be kept in mind while preparing for jobs. He also discussed the importance of networking in job culture and answered commonly asked questions like “Big brands VS start-ups”. Ending his talk, he took the discussion mainly focus on how to get the first job and how to crack the first job interviews. Taking the session forward, Mr. Chirag Soni started with his expert talk. He started his talk by discussing his own career paths and his decisions in the corporate world.

Receiving an overwhelming response from participants, the webinar came to an end with a valedictory session. Event coordinator summarized the outcomes of the webinar. All participants appreciate the department for organizing this type of webinar. The program was ended with vote of thanks by Ms. Ruchi Vyas.

After this lecture, the audience will be able to understand the good knowledge of Realistic and Ultra-Realistic Modeling, a strong command of Sculpting, good at Texturing, Lighting, and Colors, very well-known with all the pipelines of Gaming and Cinematics. And students will be ready for the big sound Gaming Projects.

# Seminar

## On

### GIT: Single Source of Truth

4th November 2022

The Department of Computer Science and Engineering organized a National seminar on GIT: Single Source of Truth to make students aware about GIT. The program was held on 4th November, 2022 between 10:00 AM to 11:15 AM. It was an offline session held at GITS Campus



The banner features logos for GITS, GEETANJALI INSTITUTE OF TECHNICAL STUDIES, and NBA. The text reads: 'National Seminar on GIT: Single Source of Truth. Tips and advices for all the engineers'. It lists the speaker as Love Purohit, a Senior DevOps Engineer with various certifications. The event details are: 10 AM - 11:15 AM, 4th November 2022, at CSE Seminar Hall, GITS.



Ms. Avishi Sharma welcoming the guests

The resource person was Mr. Love Purohit (Senior DevOps Engineer, Kanso Cloud, 2xAWS Certified, Google Associate Cloud Engineer, Microsoft Azure Administrator Associate).

The program started by welcoming of all cherished dignities and participants by Ms. Avishi Sharma, student B. Tech CSE 2nd year. The session was inaugurated by Dr. Mayank Patel, HOD, CSE, by briefing the program and welcoming the eminent speaker on the stage.



Mr. Love Purohit explaining about GIT

Then Mr. Love Purohit explained about the basics of GIT and features of GIT. He explained about the workflow of GIT. He described about different industry level workflow using GIT and also explained the different strategies of GIT and commands required for using GIT.



Dr. Mayank Patel giving vote of thanks

Then he ended the seminar by answering the questions asked by the students related to the topic. After that the Event Coordinator Ms. Charu Kavadia summarized the outcomes of the seminar. The program ended with vote of thanks by Dr. Mayank Patel, HOD, CSE.



Dr. Mayank Patel giving uparna to Mr. Love Purohit



Students and the guests attending the seminar

# Seminar On Sales Force 14th December 2022

The GDSC(Google Developer Students Club) core team of Computer Science and Engineering department, organized a Seminar on Sales Force to equip college students with knowledge and techniques to maximize job success by learning how to develop strategic spelling plans and implement best practices within the Sales Force platform.The seminar was resourced by Mr. Yugal Ameta(3rd year,CSE), in offline mode on 14th December,2022(12:45 – 3:20PM). Dr. Mayank Patel (HOD-CSE,GITS)were present at the Inaugural session and 60 students attended the event.



The main aim was to provide knowledge and guidance on how to effectively utilize Sales Force for better business outcomes. In this seminar, three core aspects of Sales Force- CRM, Marketing and Analytics were covered. It focused on the core facts of the business, providing insights on how Sales Force can be leveraged to strengthen the sales strategy and yield great returns from the same.

Overall, It provided a framework on how Sales force needs to be leveraged to build a strong CRM base, to effectively reach across to customers and build brand loyalty, as well as to track metrics and measure the performance of the business. It was an experience that optimized everyone is understanding the importance of Sales Force.



I hope the Sales Force seminar by our GDSC core team members was successful and that you have learned something from the session. Our main goal of this seminar was to help everyone build a strong understanding of sales strategies and apply this knowledge to the various pursuits they may take part in, they may take part in,

Remember these lessons and practice this knowledge in your future endeavours. We wish everyone the best on their journey to success.



Ms. Yugal Ameta

The sales force event that took place in our college and was a success. Participants had the opportunity to learn more about the sales force platform, as well as network.



# Seminar On World Computer Literacy Day 2nd December 2022



The Department of Computer Science & Engineering organized a seminar on World Computer Literacy Day in Model School, to make the students know the importance of a computer in today's modern era and let them know that how a computer can be a foundation for a sound career of a person.

The seminar was Resourced by Assistant Professor Mr. Vishal Jain and Mr. Bhupendra Kumar Teli of CSE Department and was Coordinated by Dr. Mayank Patel (HOD, CSE, GITS) on 2ndDecember, 2022(9:30-2:30PM) and 100 students attended the seminar.



## गिट्स ने स्कूली विद्यार्थियों के साथ मनाया विश्व कम्प्यूटर साक्षरता दिवस

महानगर संवाददाता

उदयपुर। आज कम्प्यूटर आधुनिक युग का अनिवार्य विषय है। इसकी पहुंच घर से लेकर ऑफिस तक हर जगह है। जन जन को कम्प्यूटर के बेसिक ज्ञान से अवगत कराने के लिए गीतांजली इंस्टीट्यूट ऑफ टेक्निकल स्टडीज डबोक उदयपुर (गिट्स) के कम्प्यूटर इंजीनियरिंग विभाग के तत्वावधान में डबोक महात्मा गांधी राजकीय माध्यमिक विद्यालय में स्कूल के बच्चों के साथ विश्व कम्प्यूटर साक्षरता दिवस मनाया गया। संस्थान निदेशक डॉ. एन.एस. राठौड़ ने बताया कि इस डिजिटल युग में कम्प्यूटर का ज्ञान होना बहुत ही आवश्यक है। दुनिया को डिजीटलीकरण करने में हम सभी भागीदारी होनी चाहिए। तेजी से हर क्षेत्र में बढ़ती हुई डिजिटल



टेक्नोलोजी एवं डिजीटल भविष्य को ध्यान में रखते हुए असिस्टेंट प्रो. भूपेन्द्र तेली, असिस्टेंट प्रो. विशाल जैन व 10 विद्यार्थियों की टीम ने महात्मा गांधी राजकीय माध्यमिक विद्यालय के लिए सेमिनार कर अध्यापक, अध्यापिकाओं व स्कूली बच्चों को कम्प्यूटर आधारित ज्ञान से अवगत कराया। अन्त में प्रतियोगिता कर सही जवाब देने वालों छात्रों को पारितोषित वितरण कर उनका उत्साहवर्धन किया गया। कार्यक्रम संयोजक कम्प्यूटर इंजीनियरिंग विभागाध्यक्ष डॉ. मंयक पटेल के

अनुसार स्कूली छात्रों को हार्डवेयर, सॉफ्टवेयर, इंटरनेट, वायरस, एन्टीवायरस, एम.एस. ऑफिस, ई-मेल, ई-कॉमर्स आदि के प्रयोग एवं उपयोग बताए गए। इस सन्दर्भ में 24 घण्टे चलने वाली गिट्स में कोडिंग प्रतियोगिता, "कोड बेटल" का आयोजन किया गया। जिसमें 70 विद्यार्थियों ने विभिन्न समस्याओं का समाधान निकाला। इसका प्रथम पुरस्कार प्रांजुल जैन, मुर्तजा को द्वितीय पुरस्कार लोकेश मोनानी एवं कविश श्रीमाली को दिया गया।

The participants gained knowledge about computers, their various forms and their usage. They knew that an electronic device like a computer can be a foundation for a sound career of a person. The school principal and the participants thanked the team and requested them to conduct such an interesting and knowledgeable seminars in future as well.

The objective of the visit was to make the students aware of the fundamental knowledge of computers. The various aspects of computers, i.e., hardware, software, virus, antivirus, internet, e-mail, e-commerce, MS-Office, shortcut keys, computer tricks etc. were explained by the visiting assistant professors and the team. The participants were very enthusiastic while getting this computer knowledge. They raised several queries to the resource persons and were very glad upon receiving the interesting answers. The seminar was followed by a query round. 25-30 questions were asked to the participants in this round. All those participants who gave the correct answers were awarded by the team. This encouragement meant a lot to the participants.



उदयपुर 06-12-2022

### विश्व कम्प्यूटर साक्षरता दिवस मनाया



उदयपुर | गीतांजली इंस्टीट्यूट ऑफ टेक्निकल स्टडीज डबोक उदयपुर (गिट्स) ने डबोक स्थित महात्मा गांधी राजकीय माध्यमिक स्कूल में बच्चों के साथ विश्व कम्प्यूटर साक्षरता दिवस मनाया। निदेशक डॉ. एनएस राठौड़ ने बताया कि इस डिजिटल युग में कम्प्यूटर का ज्ञान होना बहुत ही आवश्यक है।



# TRAINING

# Training On Full Stack Development 11th July-26th August 2022

The Department of Computer Science and Engineering organized a training on Full Stack Development. The main objective of the training was to make students know how a Full Stack Developer works on Frontend development, Backend development, database, server, API, and version controlling system.

This training started on 11th July 2022 and ended on 26th August 2022, in offline mode. The Resource Person was RCPL Pvt. Ltd. And the event coordinators were Mr. Jitendra Sharma and Mr. Vishal Jain. 90 students participated in this training. The training was inaugurated by Dr. Mayank Patel, HOD CSE.

**GEETANJALI INSTITUTE OF TECHNICAL STUDIES**  
(Affiliated to Rajasthan Technical University, Kota and Approved by AICTE, New Delhi)  
COURSES OFFERED : B.TECH. | M.TECH. | MBA | MCA | Ph.D.

**90 HRS TRAINING ON FULL STACK WEB DEVELOPMENT**  
Conducted By RCPL, Pvt. Ltd.  
Organized By Department Of Computer Science Engineering (NBA Accredited)

Date : 1<sup>st</sup> July - 30<sup>th</sup> July 2022 | Venue : Big Data Analytics Lab, CSE Department

The training focused on the required technologies that play essential role to establish full stack as a single unit. The Full Stack Development includes both frontend (client side) and backend (server side) portions of web applications. A Full Stack Web Developer have the ability to design complete applications and websites. The participants get to know about the languages and the different Frameworks and Dictionaries used for Full Stack Development.



The participants learned about the basics of Full Stack Development and its Real Time Implications in this training.

Students successfully completed the training and received a certificate.



Students working in training



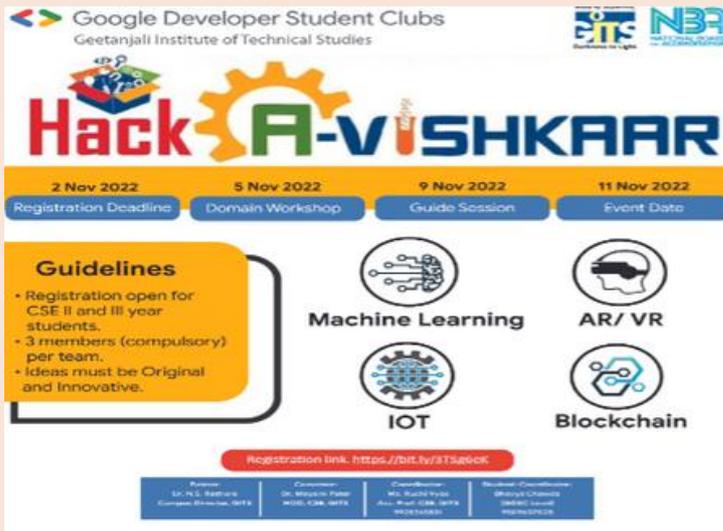
Sample Certificate

```
},a(window).on( load...
strict";function b(b){return this.each(function(){var
on(b){this.element=a(b)};c.VERSION="3.3.7",c.TRANSITION_D
ta("target");if(d||(d=b.attr("href"),d=d&&d.replace(/.*(?=#[
e.bs.tab",{relatedTarget:b[0]}),g=a.Event("show.bs.tab",{relat
h=a(d);this.activate(b.closest("li"),c),this.activate(h,h.pare
s.tab",relatedTarget:e[0]}))}}},c.prototype.activate=function
lass("active").end().find('[data-toggle="tab"]').attr("aria-exp
[0].offsetWidth,b.addClass("in")):b.removeClass("fade"),b.pare
="tab"]').attr("aria-expanded",!0),e&&e()}var g=d.find("> .act
le").length);g.length&&h?g.one("bsTransitionEnd",f).emulateTra
tab=b,a.fn.tab.Constructor=c,a.fn.tab.noConflict=function(){re
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ar c=function(b,d){this.options=a.extend({},c.DEFAULTS,d),thi
position,this)).on("click.bs.affix.data-api",a.proxy(this.che
t=null,this.checkPosition());c.VERSION="3.3.7",c.RESET="affix
,d){var e=this.$target.scrollTop(),f=this.$element.offset(),
ed)return null!=c?!(e+this.unpin<=f.top)&&"bottom":!(e+g<=a-o
f);var a=this.$target.scrollTop(),b=this.$element.offset(
on(){setTimeout(a,T);this.checkPosition,this) 1))
s.$element.offset(
```

# CODING EVENTS

# Hack-a-Vishkar

## 11th November 2022



GDSC (Google Developer Student Clubs) GITS & faculty coordinator Ms. Ruchi Vyas (Assistant Professor, CSE) organized Hack A Vishkar A hackathon in offline mode under supervision of Dr. Mayank Patel (HOD CSE), in which students participated in teams, on 11th November, 2022 (9:30 AM-02:30 PM). Guest for the Event were Dr. N.S. Rathore (Director GITS) and Mr B.L. Jangir (Finance Controller GITS).

On 30 October 2022, Geetanjali Institute of Technical Studies, Udaipur (Raj.) announced intra-college level event Hack-A-Vishkaar'22 organized by Department of Computer Science and Engineering. The event was open to the ideas regarding

Internet of Things, ARVR, Block chain & Machine learning. A workshop was conducted on each domain-by-Domain Experts of GDSC subsequently on 9th November, 12 problem statements were declared with guide session for better understanding and then competition started.



S.No	Problem Statement	Domain	Member 1 Name (Team Leader)	Member 2 Name	Member 3 Name	Winner
1	Make an AR application to look at a 3d model of earth on your android phone using unity.	AR/VR	Akshali Jain	Alina Banu	Suraj Lohar	I
2	Make a working model of 3d elevator that can go up or down the floors by clicking on the buttons in the elevator.	AR/VR	Krishanu Mishra	Punit Soni	Jagrati Shrimali	I
3	Develop a blockchain based polling system.	Blockchain	Kanishk Raj Singh Jhala	Anshul Thathera	Hindvrat Singh Rao	I
4	Develop a blockchain based polling system.	Blockchain	Shashwat Sharma	Lokesh Monani	Manan Paliwal	II
5	Build a blockchain application that can send ethers to multiple Ethereum addresses.	Blockchain	Darshan Nyati	Kriti Gandhi	Kanishk	I
6	Develop a voting system for elections using ethereum address.	Blockchain	Krishanu Mishra	Inder Kumhar	Mohit Mali	I
7	Customized or personalized food chain supply system for poultry farm or sanctuary.	IoT	Suraj Joshi	Kushal Sharma	Rinku Kanwar	I
8	Solar powered IoT based physical asset monitoring system.	IoT	Bhavin Bhatnagar	Bhavya Oberwal	Bhavya Raj Singh Chauhan	I
9	Smart innovation for society using solar power and IoT.	IoT	Mohammad Rehan	Jahanvi Soni	Ayushi Jain	I
10	Smart innovation for society using solar power and IoT.	IoT	Rudransh Maheshwari	Vaishali	Kavish Shrimali	II
11	Smart innovation for society using solar power and IoT.	IoT	Shashank	Rajat Sen	Bharat	II
12	Self-driving vehicle algorithm and code using ML/AI computer vision.	Machine Learning	Sanskar Sharma	Jahanvi Kumawat	Aditya Kumar Singh	I
13	Self-driving vehicle algorithm and code using ML/AI computer vision.	Machine Learning	Khushal Suthar	Khushi Shekhawat	Chidrup Jain	II
14	Design a novel approach to approach and identify segment lunar craters.	Machine Learning	Ronit Rameja	Riya Ameta	Vikas Sahu	I
15	Develop an AI/ML model which can tackle problems to improvise the education system.	Machine Learning	Vansh Arora	Priyansh Saxena	Narendra Patel	I
16	Develop an AI/ML model which can tackle problems to improvise the education system.	Machine Learning	Sarthak Tak	Pranjul Jain	Karnot Bhagyawardhan Singh	II

The results of short listed students were declared on 11 th Novemeber 2022, 32 teams were registered and overall, 96 students participated with full energy & enthusiasm. Event was conducted smoothly and the evaluation process was done by Dr Vijendra kumar Maurya (IOT Domain) Mr Ritesh Kr Jain & Mr Bhupendra Teli (ML Domain), Ms. Charu Kavadia (Blockchain Domain) Mr. Abhishek Gupta (ARVR Domain) and top two ideas from each domain per problem statement were declared as winners. Winning Students were awarded with gold and silver medals and Certificates.

Valedictory Session started at 3:30 PM on 11 th November with Guest of Honor as Dr. N.S.Rathore Sir (Director, GITS )the event was started by Ms. Hitiksha Manoti ( second year student,CSE).Director sir encouraged students to participate in such activities for the betterment of country and the enviornment.

The Event was Summarized by Dr. Mayank Patel, HOD CSE which included Problem statements, Participation Details and Workshop Details. Further Vote of thanks was given by Ms Ruchi Vyas ,Assistant Professor,CSE.

Students participating in Hackavishkaar acquired the knowledge about various domains their practical approach as well how to participate and win in hackathons occurring, frequently.





# Code Battle 1.1

## 1st December 2022

**GEETANJALI** INBA  
INSTITUTE OF TECHNICAL STUDIES NATIONAL BOARD OF ACCREDITATION

Department of Computer Science & Engineering

GITS

24- Hour Code Challenge

**CODE-BATTLE**  
#Version 1.1#

**Guidelines**

- Registration Ends: 30th Nov, 2022.
- Registration is Free.
- Individual Participation.
- At tie, Time Complexity will be considered.

code . create . compete

**CODE FINALE :**  
2nd December, 22

Registration

Venue : Programming Lab, GITS

Department Of Computer Science and Engineering organized a Coding event called Code Battle 1.1, for the students of CS(AI) and MCA, on 1st December 2022(1:30 pm to 3:30 pm) on the occasion of World Computer Literacy Day.

The event began under the supervision of Dr. Mayank Patel, HOD CSE. Guest of the event was Dr. N. S. Rathore, Director GITS. Approx 50 enthusiastic participants attended the event. The participants were given two hours to solve the given problems. The questions were designed to challenge the students and promote out the box thinking, problem skills, analytical thinking, and online coding. There was turn up from second and third year and MCA as well, each were given six coding questions. The students enjoyed the event and also said that it was a good opportunity for them to enhance their coding skills.



Introducing the World Computer Literacy Day

Rank	User	Score	Time	Country
1	pranjuljain54	110.00	5:12:39	
1	mramakda523	110.00	8:33:11	
3	kavishshrimali11	100.00	4:48:10	
3	lokeshmonani112	100.00	5:03:42	
5	ts38944	90.00	5:54:20	

The event was organized by faculty coordinated by Mr. Bhupendra Kumar Teli, Assistant Professor Event was conducted smoothly on online coding platform and on the fly ranking shown on leader board. Everyone was able to his/her current rank while contest was going on. Winning Students were awarded with gold and silver medals & Certificates.

Valedictory Session started at 3:30 PM on 1st December with Guest of Honour as Dr. N. S. Rathore, Director GITS. The Event was summarized by Dr. Mayank Patel, HOD CSE which included Participation Details and event details and benefits of this type of events.



Students participating in coding contest acquired knowledge about online coding platform, their practical approach.

S. No.	Student Name	Year	Winner
1	Pranjul Jain	2nd	I
2	Murtaza	3rd	I
3	Kavish Shrimali	2nd	II
4	Lokesh Monani	2nd	II
5	Tushar Sharma	3rd	III



# **STUDENT ACHIEVERS**

# SIH Hardware Edition Winners

## 25 August 2022

Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. The first four editions SIH2017, SIH2018, SIH2019, and SIH2020 proved to be extremely successful in promoting innovative ideas out-of-the-box thinking in young minds, especially engineering students from across India. SIH 2022 brings the next generation evolution by the inclusion of new methodology to inculcate the culture of startup and innovation ecosystem

Team “Phantom Troupe” from Geetanjali Institute of Technical Studies took part in the Smart India Hackathon on August 25, 2022. Smart India Hackathon (SIH) is a 5-day hackathon organized by the government of India's ministry of human resource development (MHRD), and it is the largest hackathon in Asia.

The nodal center for the team was KIET Institute, Utter Pradesh, in which there were 33 teams across the country consisting of 264 participants. The team worked on a hardware-based problem statement proposed by the Coal India Limited under the category of Transportation and Logistics.

The team has built IoT based solution to track, monitor, and maintain the physical assets of any organization under CSR [ company's social responsibility]. We developed a fully automated IoT [ Internet of Things] based solar-powered device which will provide the live location with accurate longitude, latitude, and altitude of an asset with its picture, the time, and the date when it was taken. When an asset meets with any kind of accident or someone tries to steal it then the system sends an alert to the right authority with an email in a hierarchical manner providing the details of whether the asset has been stolen it has met with an accident or it has some malfunctioning.

The Grand Finale Evaluation took place in five stages:

The first four stages [ from day 1st to day 4th ] are standard, in which the judges gain knowledge of the concept, analyze it, and assist them in developing it further. The final round [ day 5th ] was the "Power Round" or "Grand Finale," in which the team pitched their final concept to the judges.

After several rounds of competition, the team Phantom Troupe was awarded first place in the hardware category, with a reward money of one lakh rupees. It was a very proud and emotional moment for everyone. Finally, it is great to know that our mentors, Mr. Latif Khan and Dr. Mayank Patel, as well as the entire college, are continually there to empower us and allow us to experiment with our ideas.



Team Leader: Karan Singh Asoliya

Team Member-1: Varun Mehra

Team Member-2: Suraj Joshi

Team Member-3: Bhavin Bhatnagar

Team Member-4: Jahanvi Kumawat

Team Member-5: Kushal Sharma

Team Mentor: Mr. Latif Khan

# SIH Software Edition Winners

## 25th August 2022



Smart India Hackathon is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.

The last edition of the hackathon saw over 5 million+ students from various engineering colleges compete for the top prize at 35+ locations. In SIH, the students would also work on challenges faced within the private sector organisations and create world class solutions for some of the top companies in the world, thus helping the Private sector hire the best minds from across the nation.

On 25 august 2022 team Thunder Squad of Geetanjali institute of technical studies participated in the smart India hackathon. Smart India Hackathon (SIH) is a 36-hour hackathon and is organized by the ministry of human resource development (MHRD) of the government of India which is the Aisa's biggest hackathon. The nodal center for the team was AIHT college Chennai, in which there were 33 teams across the country consisting of 264 participants. The team worked on a software-hardware based problem statement proposed by the department of science and technology.

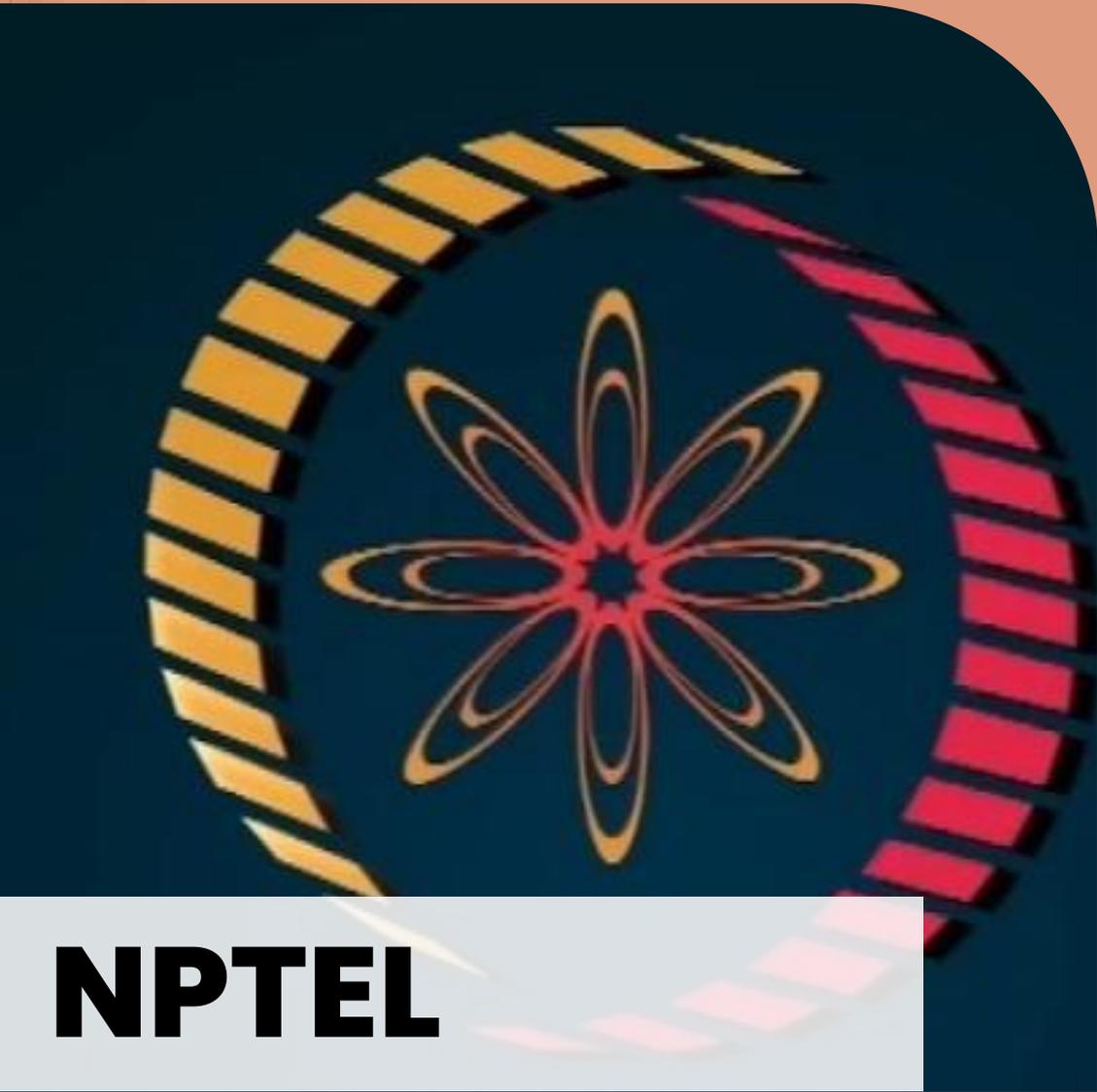
They built IOT based solution for monitoring temperature-sensitive products in which they built a cross-platform application to track & monitor vaccines and a color-changing sticker (device) which can be used to identify spoiled vaccines and send prior alerts to the user when temperature increase due to any failure in the logistics system and many more features.

The evaluation at the grand finale happened in 4 stages. The first three are normal stages where the judges get an understanding of the idea, critique it and help you build it further. The last was the “power round” where they pitched the final idea to the judges.

After various rigorous rounds as a team member finally was awarded the 1st position in the software category with prize money of 1 lakh rupees. It was indeed a very proud moment for all. Lastly, it was never possible without throughout support of the college and which kept students motivated in serving and deploying this system for the government of India.



Team Leader: Bhavya chawda  
Team Member-1: Anupam bhatt  
Team Member-2: bhavi mehta  
Team Member-3: saloni maheshwari  
Team Member-4: pankaj talesara  
Team Member-5: Purva Vijayvargiya  
Team Mentor: Dr. Vijendra kumar maurya



**NPTEL**

# About NPTEL

National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology along with the Indian Institute of Science in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels.

The students of Geetanjali Institute Of Technical Studies also took advantage of the same and excelled in various courses.

45 students of CSE branch successfully completed several courses in nptel 2022 and 34 received elite certificate , and 3 are amongs top 5 %.

# Details of the following are :

S. No.	Course Id	Course Name	Name	Certificate Type	Topper
1	noc22-cs103	Programming In Modern C++	Anmol Singh Gangwar	Elite	
2	noc22-cs103	Programming In Modern C++	Chhavi Bhatia	Elite	
3	noc22-cs103	Programming In Modern C++	Dipti Soni	Elite	
4	noc22-cs103	Programming In Modern C++	Narendra Patel	Elite	
5	noc22-cs103	Programming In Modern C++	Tisha Jain	Elite	
6	noc22-cs103	Programming In Modern C++	Rinku Kunwar Rao	Elite	
7	noc22-cs91	Data Base Management System	Sakshi Jain	Elite	
8	noc22-cs91	Data Base Management System	Priyanshi Maheshwari	Elite	
9	noc22-cs91	Data Base Management System	Suhasi Parihar	Successfull Completed	
10	noc22-cs91	Data Base Management System	Chhavi Bhatia	Elite	
11	noc22-cs91	Data Base Management System	Kapil Vaishnav	Successfully Completed	
12	noc22-cs74	Python for Data Science	Akshay Suthar	Elite	
13	noc22-cs74	Python for Data Science	Gayatri Mohanty	Elite	
14	noc22-cs74	Python for Data Science	Hitiksha Manoti	Elite	
15	noc22-cs74	Python for Data Science	Kinjal Jain	Elite	
16	noc22-cs74	Python for Data Science	Mansvee Shah	Successfully Completed	
17	noc22-cs74	Python for Data Science	Narendra Patel	Elite	
18	noc22-cs74	Python for Data Science	Rinku Kunwar Rao	Elite	
19	noc22-cs74	Python for Data Science	Rudransh Maheshwari	Elite	
20	noc22-cs74	Python for Data Science	Vaishali	Elite	
21	noc22-cs101	Problem Solving Through Programming In C	Nitya Vijavargiya	Elite	

S. No.	Course Id	Course Name	Name	Certificate Type	Topper
22	noc22-cs101	Problem Solving Through Programming In C	Rudransh Maheshwari	Elite	
23	noc22-cs101	Problem Solving Through Programming In C	Vaishali	Elite	
24	noc22-cs134	Public Speaking	Himani Mehta	Elite+Sliver	
25	noc22-cs134	Public Speaking	Pranjul Jain	Elite	
26	noc22-cs134	Public Speaking	Sanah Mathur	Elite	
27	noc22-cs134	Public Speaking	Sarthak Tak	Elite	
28	noc22-cs134	Public Speaking	Sheetal Sharma	Elite+Sliver	
29	noc22-cs87	Cloud Computing	Devanshi Minda	Elite+Sliver	
30	noc22-cs87	Cloud Computing	Pratik Kanthaliya	Elite+Sliver	
31	noc22-hs77	Developing Soft Skills and Personality	Nitya Vijayvargiya	Elite+Sliver	Topper of 5% in this course
32	noc22-hs77	Developing Soft Skills and Personality	Pranjul Nainawatee	Elite+Sliver	
33	noc22-hs77	Developing Soft Skills and Personality	Sanah Mathur	Elite+Sliver	
34	noc22-hs77	Developing Soft Skills and Personality	Sheetal Sharma	Elite+Sliver	Topper of 5% in this course
35	noc22-cs97	Introduction To Machine Learning - KGP	Devanshi Minda	Elite	
36	noc22-cs97	Introduction To Machine Learning - KGP	Harshal Jain	Elite	Topper of 5% in this course
37	noc22-cs73	Introduction to Machine Learning	Harsh Soni	Successfully Completed	
38	noc22-cs102	Programming In Java	Priyanshi Maheshwari	Elite+Sliver	
39	noc22-cs70	Programming, Data Structures And Algorithms Using Python	Harshit Dubey	Elite+Sliver	
40	noc22-hs126	Environment and Development	Anisha Shaktawat	Successfully Completed	
41	noc22-hs123	The Psychology Of Language	Himani Mehta	Elite+Silver	
42	noc22-cs96	Introduction To Internet Of Things	Harshal Jain	Elite+Sliver	
43	noc22-ge23	Introduction to Research	Deepika Khinchi	Successfully Completed	
44	noc22-ge23	Introduction to Research	Anit Kumar Yadav	Successfully Completed	
45	noc22-ge23	Introduction to Research	Pooja Morvani	Successfully Completed	



# **PLACEMENTS**

GITS is a well-renowned name in the field of Technical Education and Management studies and directly contributes towards the comprehensive education Scenario of the country. We strongly believe in creating future Technocrats and worthy citizens. Works 24\*7 for ensuring employment for all the students across various industries and helping them in getting the most suitable job. Department of Computer Science and Engineering handles campus placement of the students. And the students of Department of Computer Science have continued to make us proud by placement in many renowned companies. Details of CSE students placed during July to December 2022 are as follows –

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
1	19EGICS015	BHAVI MEHTA	7/26/2022	ARGUSOFT INDIA LTD.	PROGRAMMAR ANALYST	7.12 LPA
2	19EGICS033	HARSH SONI	7/26/2022	ARGUSOFT INDIA LTD.	PROGRAMMAR ANALYST	7.12 LPA
3	19EGICS060	MANAN MATHUR	7/26/2022	ARGUSOFT INDIA LTD.	PROGRAMMAR ANALYST	7.12 LPA
4	19EGICS095	ROHIT SONI	7/26/2022	ARGUSOFT INDIA LTD.	PROGRAMMAR ANALYST	7.12 LPA
5	19EGICS021	DEVANSHI MINDA	8/2/2022	METACUBE	GRADUATE ENGINEER TRAINEE	5.20 - 6.20 LPA
6	19EGICS025	DIVY PAGARIYA	8/2/2022	METACUBE	GRADUATE ENGINEER TRAINEE	5.20 - 6.20 LPA
7	19EGICS034	HARSHAL JAIN	8/2/2022	METACUBE	GRADUATE ENGINEER TRAINEE	5.20 - 6.20 LPA
8	19EGICS078	PARTH SHARMA	8/2/2022	METACUBE	GRADUATE ENGINEER TRAINEE	5.20 - 6.20 LPA
9	19EGICS093	RIDDHAM PALIWAL	8/2/2022	METACUBE	GRADUATE ENGINEER TRAINEE	5.20 - 6.20 LPA
10	19EGICS012	ANUPAM BHATT	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
11	19EGICS017	BHAVYA SUKHWAL	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
12	19EGICS021	DEVANSHI MINDA	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
13	19EGICS027	FARHAN KHAN	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
14	19EGICS052	KHUSHI LODHA	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
15	19EGICS069	NARESH SONWAL	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
16	19EGICS071	NIDHI MANTRI	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
17	19EGICS085	PRANJUL NAINAWATEE	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
18	19EGICS102	SHEETAL SHARMA	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
19	19EGICS103	SHIREEN BOHRA	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
20	19EGICS300	RAJAT PRAJAPATI	8/12/2022	HEXAWARE	GRADUATE ENGINEER TRAINEE	4.00 LPA
21	19EGICS012	ANUPAM BHATT	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
22	19EGICS027	FARHAN KHAN	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
22	19EGICS027	FARHAN KHAN	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
23	19EGICS033	HARSH SONI	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
24	19EGICS034	HARSHAL JAIN	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
25	19EGICS051	KARTIKEY BHARTI	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
26	19EGICS078	PARTH SHARMA	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
27	19EGICS097	ROHIT SUTHAR	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
28	19EGICS106	SIDDHARTH SINGH RAJVANSHI	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
29	19EGICS300	RAJAT PRAJAPATI	9/5/2022	IN TIME TEC	JUNIOR SOFTWARE ENGINEER	5.50 LPA
30	19EGICS016	BHAVY CHAWDA	9/12/2022	APPPERFECT	SOFTWARE ENGINEER	5.00 LPA
31	19EGICS021	DEVANSHI MINDA	9/12/2022	APPPERFECT	SOFTWARE ENGINEER	5.00 LPA
32	19EGICS043	JATIN SUTHAR	9/12/2022	APPPERFECT	SOFTWARE ENGINEER	5.00 LPA
33	19EGICS102	SHEETAL SHARMA	9/12/2022	APPPERFECT	SOFTWARE ENGINEER	5.00 LPA

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
34	19EGICS005	AMAN DAS BAIRAGI	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
35	19EGICS036	HASNAIN ABBAS TINWALA	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
36	19EGICS063	MANYA KASHYAP	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
37	19EGICS065	MAYANK JOSHI	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
38	19EGICS109	SURAJ DANGI	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
39	20EGICS203	MOHIT BABEL	10/6/2022	MEDUSIND	SOFTWARE TRAINEE	3.36 LPA
40	19EGICS024	DIVISHA LODHA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	4.00 LPA
41	19EGICS026	ESHITA MOGRA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	3.00 LPA
42	19EGICS036	HASNAIN ABBAS TINWALA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	4.00 LPA
43	19EGICS037	HEMANT SHARMA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	4.00 LPA
44	19EGICS046	JAY SONI	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	3.00 LPA
45	19EGICS064	MASOOMA JUCKER WALA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	3.00 LPA

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
46	19EGICS068	NANDANI DALSANIYA	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	3.00 LPA
47	19EGICS075	NITESH KUMAWAT	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	3.00 LPA
48	19EGICS119	VISHAL PALIWAL	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	4.00 LPA
49	20EGICS203	MOHIT BABEL	10/8/2022	APPCINO	TRAINEE SOFTWARE ENGINEER	4.00 LPA
50	19EGICS038	HIMANI MEHTA	10/11/2022	SYNOVERGE	ASSOCIATE SOFTWARE ENGINEER	3.50 - 4.50 LPA
51	19EGICS052	KHUSHI LODHA	10/11/2022	SYNOVERGE	ASSOCIATE SOFTWARE ENGINEER	3.50 - 4.50 LPA
52	19EGICS099	SANAH MATHUR	10/11/2022	SYNOVERGE	ASSOCIATE SOFTWARE ENGINEER	3.50 - 4.50 LPA
53	19EGICS033	HARSH SONI	10/15/2022	TICKERTAPE	SOFTWARE DEVELOPMENT ENGINEER	11.00 LPA
54	19EGICS034	HARSHAL JAIN	11/4/2022	KANSOCLOUD	CLOUD ENGINEER	3.60 LPA
55	19EGICS046	JAY SONI	11/4/2022	KANSOCLOUD	CLOUD ENGINEER	3.60 LPA
56	19EGICS051	KARTIKEY BHARTI	11/4/2022	KANSOCLOUD	CLOUD ENGINEER	3.60 LPA
57	19EGICS024	DIVISHA LODHA	10/1/2022	KANSOFT	SOFTWARE ENGINEER	3.20 LPA

S. NO.	RTU ROLL NO.	STUDENT NAME	DATE	COMPANY NAME	PROFILE	PACKAGE
58	20EGICS203	MOHIT BABEL	10/1/2022	KANSOFT	SOFTWARE ENGINEER	3.50 LPA
59	19EGICS001	AADARSH VAISHNAV	11/19/2022	ADVAIYA	MTS	4.50 LPA
60	19EGICS026	ESHITA MOGRA	11/19/2022	ADVAIYA	MTS	4.50 LPA
61	19EGICS031	GITESH KUMAR JAIN	11/19/2022	ADVAIYA	MTS	4.50 LPA
62	19EGICS038	HIMANI MEHTA	11/19/2022	ADVAIYA	MTS	4.50 LPA
63	19EGICS066	MEET SHRIMAL	11/19/2022	ADVAIYA	MTS	4.50 LPA
64	19EGICS071	NIDHI MANTRI	11/19/2022	ADVAIYA	MTS	4.50 LPA
65	19EGICS075	NITESH KUMAWAT	11/19/2022	ADVAIYA	MTS	4.50 LPA
66	19EGICS121	YASHOVARDHAN JAIN	11/19/2022	ADVAIYA	MTS	4.50 LPA
67	20EGICS203	MOHIT BABEL	11/19/2022	ADVAIYA	MTS	4.50 LPA
68	19EGICS057	LAKSHIT CHOUBISA	11/28/2022	ACTY SYSTEMS	PROJECT TRAINEE	3.15 LPA

An illustration of a woman with dark hair, wearing a red tank top, sitting at a desk with a laptop. She has a thoughtful expression, resting her chin on her hand. The background is a light blue cloud-like shape containing various icons: a paper airplane, a thumbs up, a heart, a megaphone, a group of people in a speech bubble, a globe, and a coffee cup. A white banner with the text 'INTERNSHIP DRIVE' is overlaid on the bottom left of the illustration.

# INTERNSHIP DRIVE

# Internship Drive

## By

### Kanso Cloud

#### 4th November 2022

Department of Computer Science & Engineering  
Welcomes  
**KansoCloud**  
for  
Campus Internship Drive

- 11:30 AM Onwards
- 4th November 2022
- GITS, Udaipur
- 3 Months Internship - Rs.15000+
- CTC - Rs.3.6 Lakhs+
- Location - UDAIPUR | HYDERABAD

Department of Computer Science and Engineering organized an offline Kanso Cloud Internship Drive on 4th November, 2022 (11:30 AM onwards) for providing internship and job opportunities in Kanso Cloud to final year CSE and MCA students. The event was resourced by Mr. Sanket Dangi (Founder, Kanso Cloud), Mr. Love Purohit (Senior DevOps Engineer, Kanso Cloud), Mr. Shubham Jain (Senior Cloud Engineer, Kanso Cloud), Mr. Soumya Ranjan Naik (Cloud engineer, Kanso Cloud), Mr. Rohit Gorana (Senior Cloud Engineer, Kanso Cloud) & was coordinated by Ms. Charu Kavadia (Assistant Professor, CSE). There were also present Mr. Jitendra Sharma (Assistant Professor, CSE) with 30 participants interested in the drive.

The programme started with welcoming all the cherished dignitaries and participants by Ms. Avishi Sharma, (student B.Tech CSE III Sem). Then Dr. Mayank Patel (HOD, CSE) inaugurated the programme by sharing his views with the students about the internship with Kanso Cloud. Dr. Mayank Patel also discussed about the fields on which the company is working and how students can get benefit from it.



Ms. Avishi Sharma welcoming the guests



Dr. Mayank Patel inaugurating the session

The programme started with welcoming all the cherished dignitaries and participants by Ms. Avishi Sharma, (student B.Tech CSE III Sem). Then Dr. Mayank Patel (HOD, CSE) inaugurated the programme by sharing his views with the students about the internship with Kanso Cloud. Dr. Mayank Patel also discussed about the fields on which company is working and how students can get benefit from it.

The company presentation was given by Mr. Sanket Dangi (Founder, Kanso Cloud). He had discussed about the fields in which company is presently working. He also discussed about the company's working environment and benefits students can get from the company. Then company conducted the hiring process. It was conducted in 2 rounds. First, Group Interview in the batches of 4, after this total 6 students were selected. Second, One on one interview was conducted. Out of 6, following 3 students were finally selected for internship. 1. Harshal Jain 2. Jay Soni 3. Kartikey Bharti

Internship Drive came to an end with valedictory session. The program was ended with vote of thanks by Dr. Mayank Patel (HOD, CSE) to Kanso Cloud team.



Kanso Cloud interviewing students



Welcome of team Kanso



# ALUMNI INTERACTION

Optimized by [www.In](http://www.In)

# Alumni Interaction

By

Ms. Sakshi Sharma

21st August 2022

**GEETANJALI**  
INSTITUTE OF TECHNICAL STUDIES  
Department of Computer  
Science & Engineering  
**ALUMNI TALK**

Ms Sakshi Sharma  
Assistant System Engineer  
Tata Consultancy Services  
(2021 Batch)

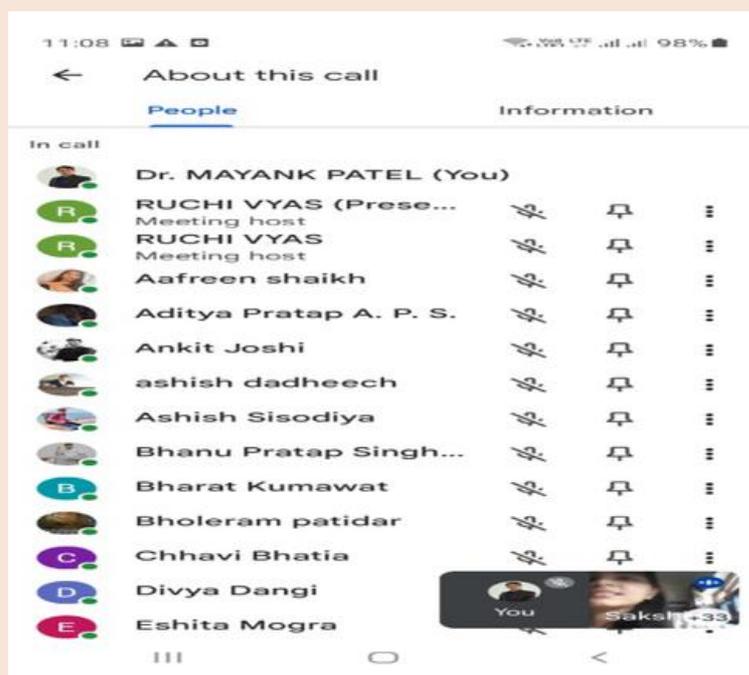
Date: 21/8/22  
Time: 11:00 AM

<https://meet.google.com/pka-wpcn-ppsp?hs=122&authuser=0>

CSE Student club and Department of Computer Science and Engineering organized an online Alumni Interaction where the resource person - Ms.Sakshi Sharma(Asst. System Engineer at TCS) interacted and gave career guidance to our students for better career opportunities on 21st August, 2022 (11:00 AM-12:30 PM).

The programme was coordinated and inaugurated by Ms. Ruchi Vyas Assistant Professor CSE GITS) by welcoming the cherished alumni and participants. In welcome speech,

Dr. Mayank Patel shared his views with the 40 attendees that if they want to get career guidance, then attending such webinars would help them a lot and welcomed our eminent alumni Ms. Sakshi Sharma. CSE Department Faculties were also present.





Ms.Sakshi Sharma conducting session

Ms. Sakshi Sharma started with her role in TCS and gave introduction about the company and on which technology it is working on. Apart from that, she discussed about importance of projects being done at college. She also told students about hacker rank and various communities in twitter and how

these communities help in getting placement. She listed out the preparations required for any placement specifically about hacker rank exam as well as about interview questions she prepared and what type of questions are being asked about. She covered the pattern to embrace the interview in a better way. Ms. Sakshi Sharma told juniors about importance of Data structure, algorithm, C language, Java. Also, ensured best career opportunities in various areas.

Dr. Mayank Patel (HOD-CSE) & event coordinator summarized the outcomes of online alumni interaction program and give vote of thanks to our keynote alumni. After this program, juniors got knowledge about various interview techniques and how to improve communication skills. All participants appreciated the department for organizing such type of webinars.



Certificate of Appreciation

# Alumni Interaction

By

Ms. Lovisha Jain

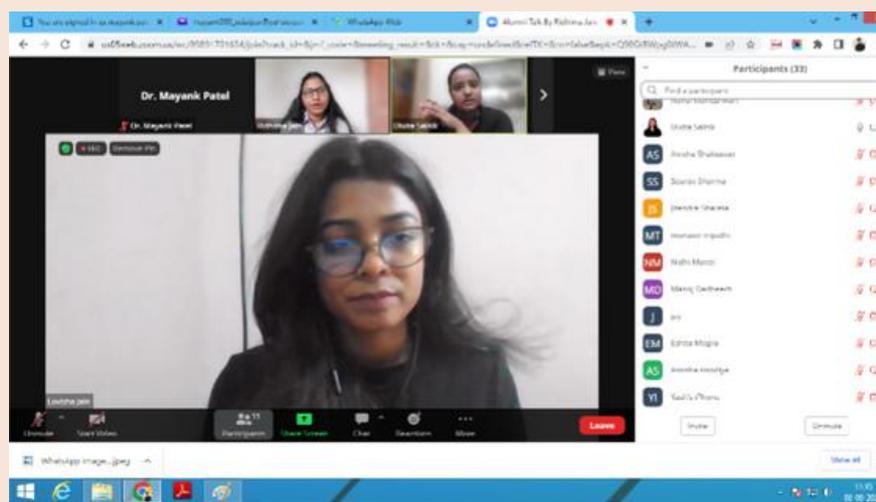
3rd September 2022



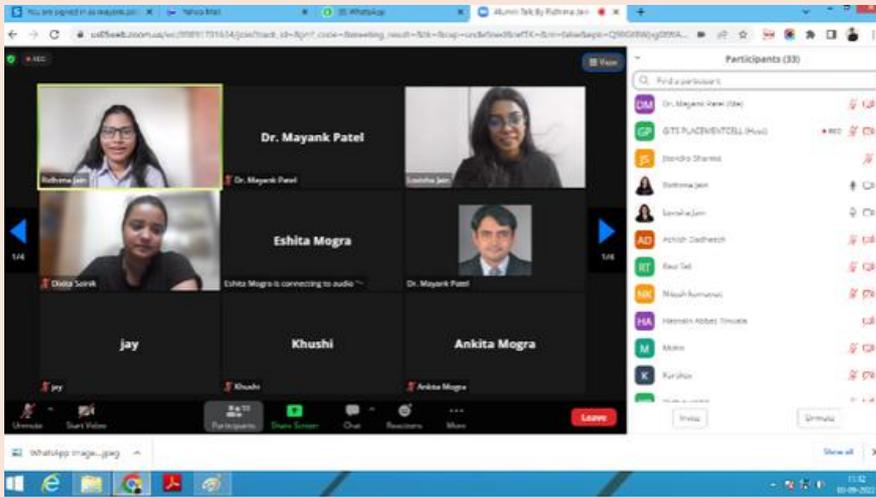
CSE Student club and the Department of Computer Science and Engineering organized an online Alumni Interaction where the resource person- Ms.Lovisha Jain(Software Developer, In Time, Jaipur) interacted and gave career guidance to our students for better career opportunities in In Time tech on 3rd September 2022(11:00 AM-12:00 PM)

The program was coordinated and inaugurated by Mr. Jitendra Sharma

(Assistant Professor CSE GITS) by welcoming cherished alumni and participants. In a welcome speech, Dr. Mayank Patel shared his views with the 45 attendees that if they want to get career guidance, then attending such webinars would help them a lot and welcomed our eminent alumni Ms. Lovisha Jain. Ms. Ridhima Jain(Alumni Guest), and Faculties( CSE Department)were also present.



Ms.Lovisha Jain conducting session



Ms. Lovisha Jain conducting the session

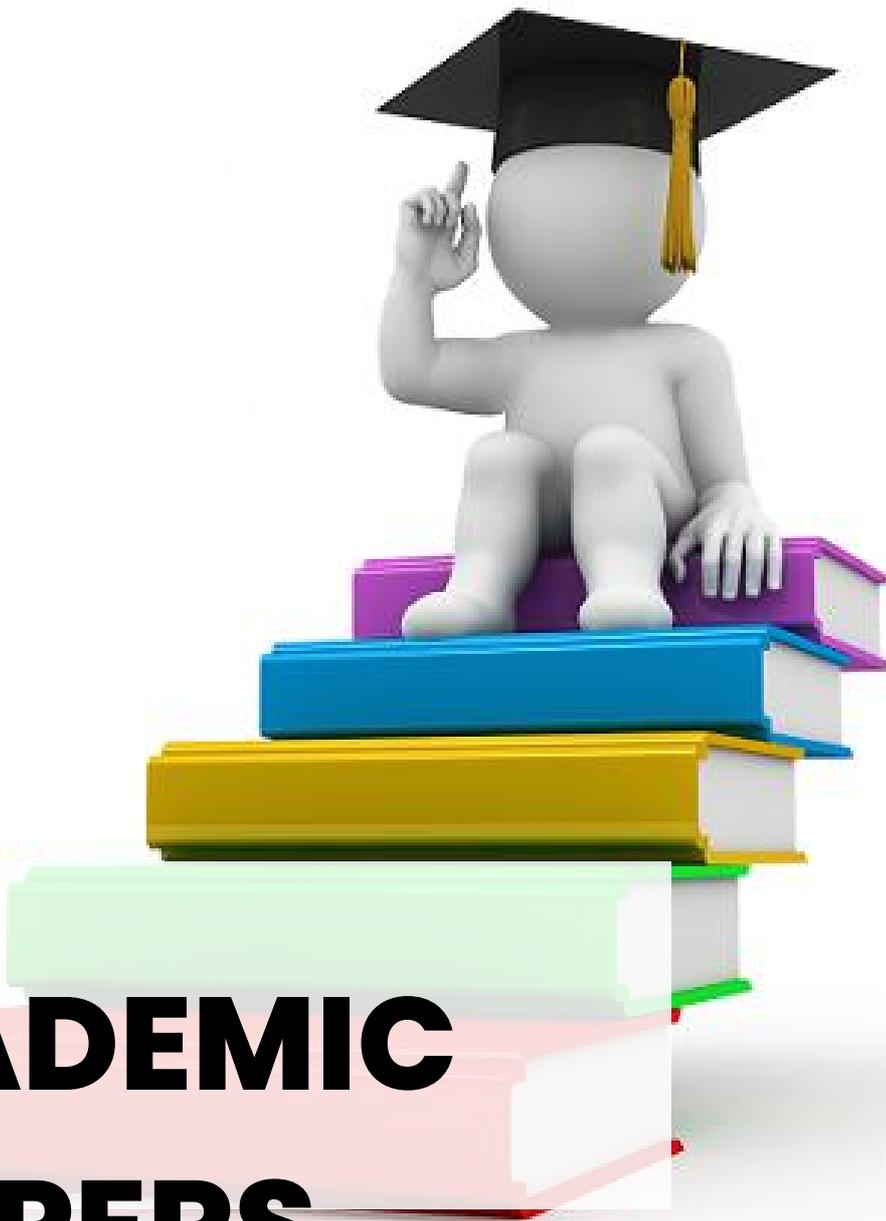
Ms. Lovisha Jain started with her role in In Time Tech and gave introduction about the company and on which technology it is working on. Apart from that, she discussed about importance of projects being done at college. she also told students about hacker rank and various communities in twitter

and how these communities help in getting placement. She listed out the preparations required for any placement specifically about hacker rank exam as well as about interview questions she prepared and what type of questions being asked about. She covered the pattern to embrace the interview in a better way. Lovisha told juniors about importance of Data structure, algorithm, C language, Java. Also, ensured best career opportunities in various areas.

Dr. Mayank Patel (HOD-CSE) & event coordinator summarized the outcomes of online alumni interaction program and give vote of thanks to our keynote alumni. After this program, juniors got knowledge about various interview techniques and how to improve communication skills. All participants appreciated the department for organizing such type of webinars.



Certificate of Appreciation



# **ACADEMIC TOPPERS**

# Academic Toppers

Here at Computer Science Department of Engineering , we believe in providing our students with quality teaching, and our students reciprocate with us by their wonderful academic achievements. With their hard work and dedication, students of CSE department have made us proud by excelling in academics.

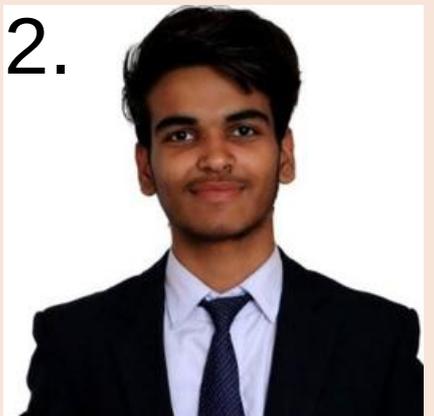
## CSE VIII SEMESTER

1.



SHUBHAM MATHUR  
18EGICS089  
9.81 SGPA

2.



DALPAT I.  
18EGICS024  
9.77 SGPA

3.



KRISHNAPAL SINGH DEORA  
18EGICS046  
9.71 SGPA

4.



AAKANKSHA SAMOTA  
18EGICS001  
9.61 SGPA

4.



DIVYA SONI  
18EGICS027  
9.61 SGPA

4.



HARSHITA JAIN  
18EGICS031  
9.61 SGPA

SONA AMETA  
18EGICS091  
9.61 SGPA

4.



5.



BHAVIKA RAJORA  
18EGICS018  
9.52 SGPA

5.



VIPLOV JIWNANI  
18EGICS104  
9.52 SGPA

**CSE VI SEMESTER**

AKSHAT GARG  
19EGICS003  
8.85 SGPA

1.



2.



POOJA SETH  
19EGICS082  
8.79 SGPA

3.



ESHITA MOGRA  
19EGICS026  
8.74 SGPA

3.



SHEETAL SHARMA  
19EGICS102  
8.74 SGPA

4.



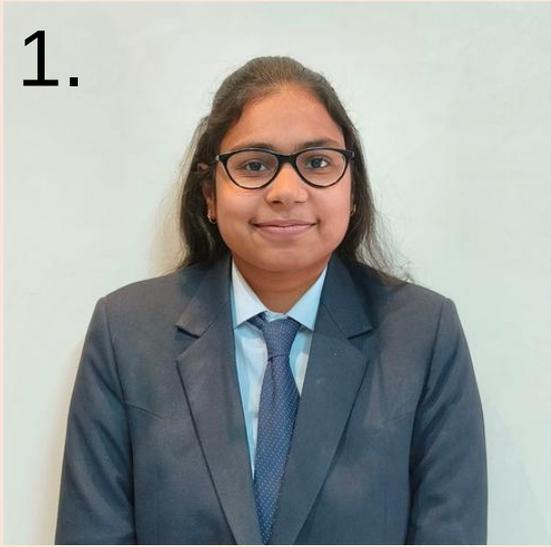
GITESH KUMAR JAIN  
19EGICS031  
8.68 SGPA

ANISHA SHAKTAWAT  
19EGICS010  
8.57 SGPA



# CSE IV SEMESTER

1.



PRIYANSHI MAHESHWARI  
20EGICS089  
9.62 SGPA

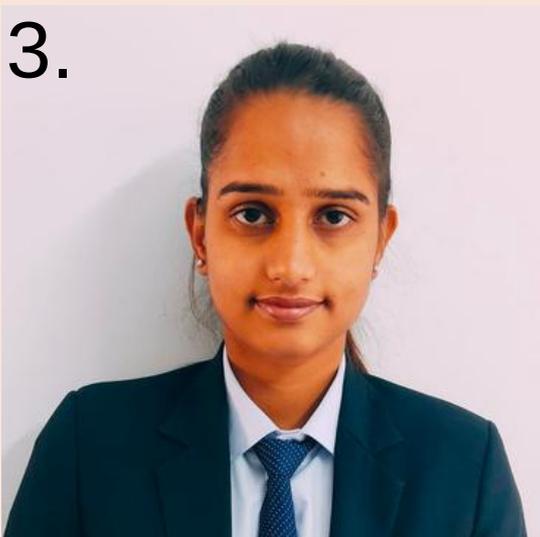
DIPTI SONI  
20EGICS029  
9.55 SGPA

2.



RIYA SAHU  
20EGICS096  
9.49 SGPA

3.



3.



TEENA KUNWAR  
20EGICS115  
9.49 SGPA

Rajyavardhan Singh  
20EGICS091  
9.36 SGPA

4.



AMISHA AJITH  
20EGICS006  
9.23 SGPA

5.





# STUDENT ARTICLES

# AI TRiSM: AI Trust, Risk & Security Management

The world of Artificial Intelligence is growing quickly as more people realize how powerful of a tool it can be. As technology expands, professions, use cases, and businesses emerge alongside it. Gartner Inc. is a well-respected technology research and consulting company that recently organized emerging AI-related technologies in "AI TRiSM" in an attempt to provide a better understanding of the emerging AI ecosystem.

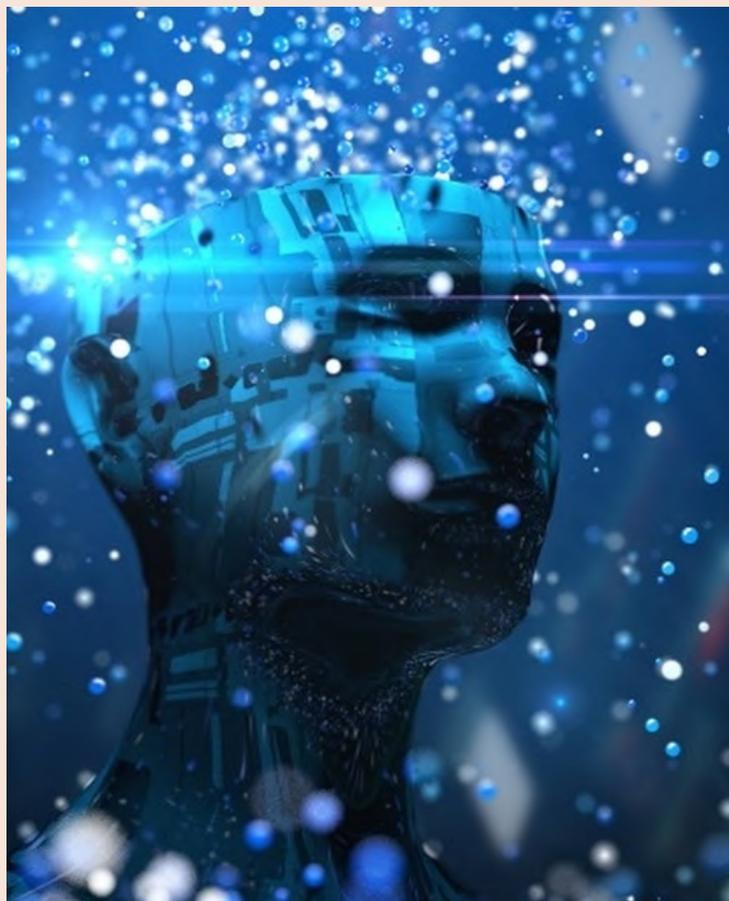


AI TRiSM is shorthand for AI (T)rust, (Ri)sk, & (S)ecurity (M)anagement. In the words of Gartner, AI TRiSM “ensures AI model governance, trustworthiness, fairness, reliability, efficacy, security and data protection. This includes solutions and techniques for model interpretability and explainability, AI data protection, model operations, and adversarial attack resistance.”



## The importance of AI TRiSM

AI is a powerful, diverse tool that is used to solve countless problems in the world today. The recommended songs on Spotify? AI. The recommended routes on Google maps? AI. Fraud analysis, billions in traded securities, self-driving cars, accepting or rejecting loan applications and job applications? You guessed it, AI. While clearly powerful, we must realize that the benefit a tool provides from its success is often comparable to the impact of its failure. In the case of Artificial Intelligence, failure could mean millions in reputational, legal, or financial losses.



## Pillars of AI TRiSM

There are 5 Basic Pillars of it, which hold the foundation of the AI Trust, Risk, and Security Management concept:-

### Explainability

Explainability is the concept of marking every possible step to identify and monitor the states and processes of the ML Models. Simply put, the capability to detect or identify if the model has reached the target.

With this, organizations can monitor the performance of their AI models and propose improvements to make the process more efficient and generate better results with improved productivity.

### ModelOps

ModelOps focuses on maintaining and managing the end-to-end lifecycle of every AI Model, including models based on analytics, knowledge graphs, decisioning, etc.

## Data Anomaly Detection

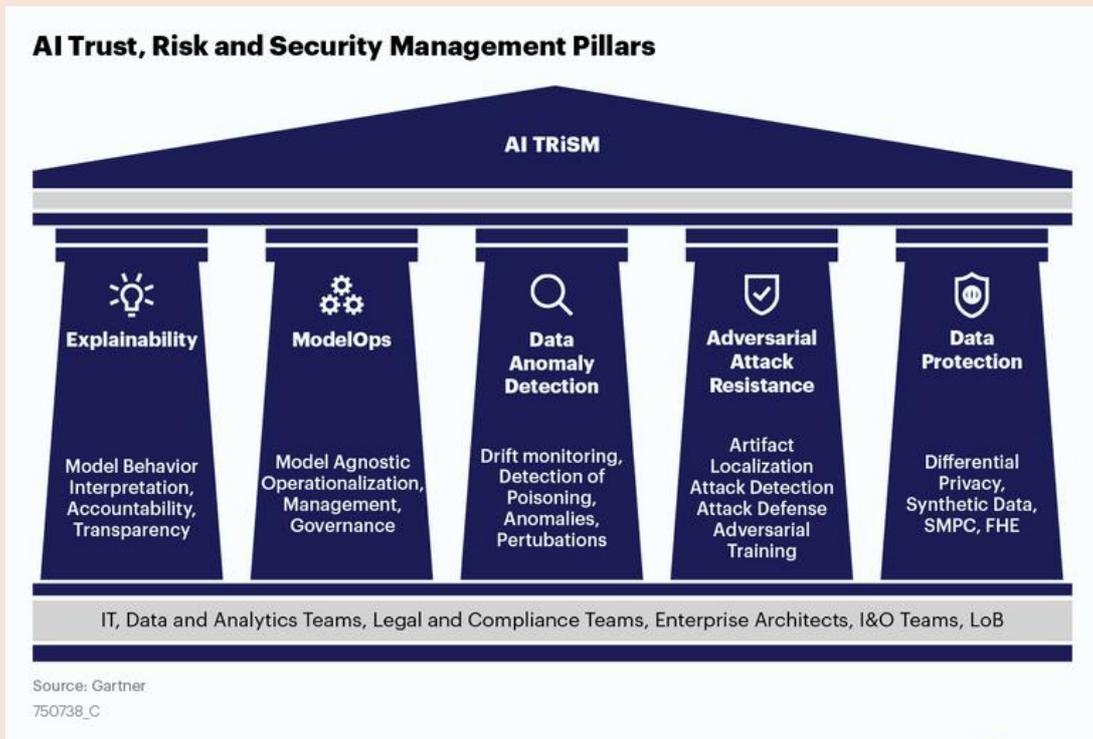
As the name implies, this pillar focuses on detecting and identifying issues and helps AI practitioners see the full image of the Data issues to make effective decisions.

## Adversarial Attack Resistance

Adversarial Attacks are AI attacks or threats that use data to disrupt Machine learning algorithms and alter the machine learning models' functionality. It detects and remediates these threats to ensure a streamlined process throughout.

## Data Protection

The primary fuel source for machine learning models is data, so the better the data is secured, the better the operations and functionality there can be. AI TRiSM ensures that there is preferred privacy and security of the data to stay in compliance with the regulations for data protection, such as GDPR.



Gartner.

## **Implementing AI TRiSM Methodology**

As it provides high transparency, security, and reliability to operations, most organizations are ready to adopt this approach. They want to gain a competitive edge over other companies or industries.

There are three basic steps to adopting AI TRiSM methodology:-

### **Formalizing Documentation and Procedures**

With technological advancements, AI is being used everywhere, and the complexity of operations is also increasing. So, proper documentation of the process or the operations provides transparency and enables the monitoring and auditing of events when something goes wrong.

The main reason can be the vast amount of data for the models to operate, as errors are noted when handling exceptional amounts of data. A documentation system can mitigate these errors.

### **System Checks and Bias Balancing**

Checking the systems can enable an organization to prevent breakdowns and improper functionality of the ML models. Checking biases and correcting them to let the model make informed decisions and optimize the processes is preferred. Checking the situations and alerting to mitigate the issues is something to be focused on to implement AI TRiSM.

### **AI Transparency**

The most challenging part of AI is that it still needs more consumer trust. The decision-making capabilities of AI are likely to be questioned because it happens all in the back. Providing transparency and the process structure can help consumers build trust in AI and let it be implemented to improve customer experience and make them comfortable using AI for their daily tasks.

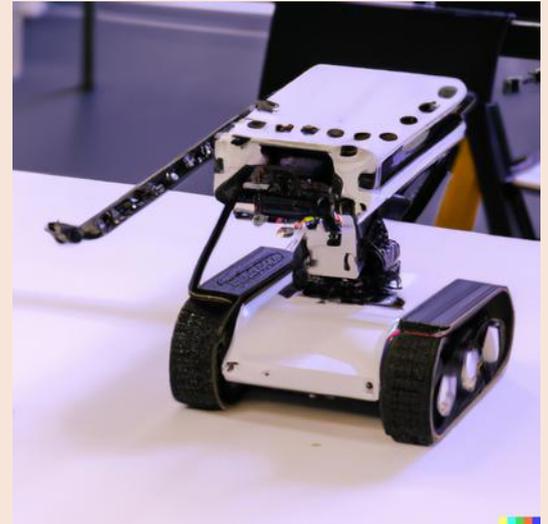
## **Conclusion**

AI will automate and revolutionize most industries in the upcoming years. Industries lacking the courage to adopt AI will likely fall in the next 5 years. AI is said to provide a platform to grow, drive business value, and help operate the business with utmost efficiency and accuracy. Also, AI TRiSM improves business capabilities by optimizing IT systems for reliability and better data-driven decision-making processes.

**~Yashveer Singh Deora**  
**II Year, III Semester**  
**Section B**

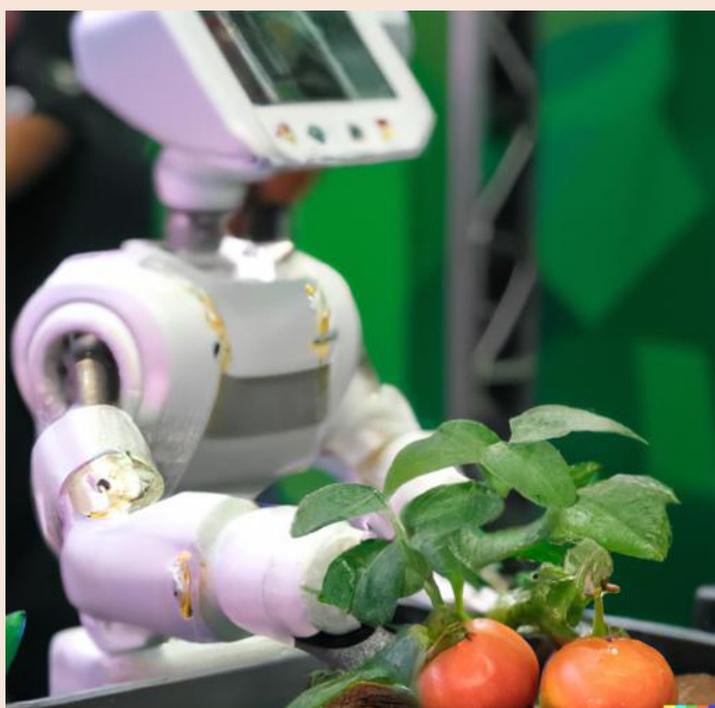
# ROBOTICS : AUTONOMOUS AND AUTOMATIC

Robotics has become increasingly important in the field of research, as it has the potential to revolutionize the way we approach various fields and industries. Robotics allows for automation and precise control in tasks that would otherwise be difficult or impossible for human workers to perform. This can lead to increased efficiency and accuracy in research, as well as the ability to perform tasks in hazardous or otherwise inaccessible environments.



One of the key research areas where robotics is being utilized is in the field of precision agriculture. Robotics technology, such as autonomous tractors and drones, can be used for planting, harvesting and monitoring crops. Additionally, automatic robots can be programmed to perform specific tasks, such as monitoring crop growth or detecting pests or diseases. This can help farmers to improve crop yields, reduce labor costs, and increase overall efficiency in the farming industry. Robotics technology also has a wide range of application in other areas such as healthcare, logistics, construction, and manufacturing.

Autonomous robots, also known as self-driving machines, are capable of performing tasks on their own without the need for human intervention. In agriculture, these robots can be used for tasks such as planting, harvesting, and monitoring crops. For example, autonomous tractors can be used to plant seeds or apply fertilizer, while autonomous harvesting robots can be used to pick fruit or nuts.



Automatic robots, on the other hand, are controlled by a computer or other electronic device. These robots can be programmed to perform specific tasks, such as monitoring crop growth or detecting pests or diseases. For example, a robotic arm equipped with a sensor can be programmed to take samples of soil or scan a field for signs of pests.

One of the main advantages of autonomous and automatic robotics in agriculture is their ability to work 24/7, without the need for breaks or rest. Additionally, robots can be programmed to work in adverse weather conditions, such as high heat or heavy rain, which can be difficult for human workers.



Moreover, these robots can also help to reduce labor costs and increase overall efficiency in the farming industry. Autonomous and automatic robots can take over tasks that are typically done by human workers, such as planting, harvesting, and monitoring crops. This can free up human workers to focus on other tasks, such as managing the farm or conducting research.

Another advantage of these technologies is their ability to improve crop yields. Autonomous and automatic robots can be programmed to perform tasks with precision and accuracy, which can result in better crop growth and higher yields. For example, an autonomous robot can be programmed to plant seeds at a specific depth and spacing, which can improve seed germination and reduce the need for replanting.



However, it's worth mentioning that the implementation of these technologies also requires significant investment in terms of cost and infrastructure, which might be a barrier for some farmers, particularly for small and medium scale farmers. Furthermore, there are also concerns about the potential job loss for human labor force in the agriculture industry.



In conclusion, the use of autonomous and automatic robotics in agriculture is an active area of research that has the potential to revolutionize the way we approach farming and agriculture. These technologies can improve crop yields, reduce labor costs, and increase overall efficiency in the farming industry. However, it's important to also consider the cost and infrastructure required and the potential impact on human labor force.

**~Nitya Vijayvargiya**  
**II Year, III Semester**  
**Section C**



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# ***Until Next Time.....***