# Vasavi College of Engineering

*(Private Un-Aided Non-Minority Autonomous Institution)*

***ACCREDIED BY NAAC WITH 'A++' GRADE***

*Affiliated to Osmania University and Approved by AICTE*

**DEPARTMENT OF INFORMATION TECHNOLOGY**

# *"IT TECH-TIMES"*

***Infinite Possibilities***

***Vol 6, Issue-1, JUL-DEC-2023***

**In this Issue,**

Message from HoD's Desk



Founded in 1981 by Vasavi Academy of Education, Vasavi College of Engineering represents a rich tradition of excellence in technology-based education. A premier-league institution among the affiliates of Osmania University, Vasavi College of Engineering owes its vision to Sri Pendekanti Venkata Subbiah, a veteran statesman of Independent India.

Vasavi College of Engineering, in its 41 years of existence, is a reputed institution in the State of Telangana. The college is ACCREDITED BY NAAC WITH 'A++' GRADE. The college in its pursuit for quality in technical education has earned 3rd ranking in the State and 32nd in the country. The college offers seven UG Civil, Mechanical, ECE, CSE, CSE AI & ML, EEE and IT with total sanctioned intake of 780 and 5 PG programmes with total sanctioned intake of 96.

## *Message from Editor's Desk:*

Welcome to the Information Technology department's newsletter. The "**IT TECH TIMES**" newsletter has been launched. We're using this newsletter to stay in touch with our students, professors, former students, and business partners in a digital format. The activities and accomplishments of the department will be highlighted in this newsletter. In addition, it informs readers about recent departmental events, such as placements, internships, student and staff accomplishments, as well as the latest departmental news. The department's future is bright, and we're eager to see what more the future holds. We would want to express our gratitude to every one of our faculty, staff, and students for your constant encouragement and support.

***HAPPY READING!!***

# Message from HoD's Desk

*Dr.K. Ram Mohan Rao, Prof & Head*

Warm greetings!!

I am indeed glad to be writing this message for '**IT Tech Times' Jul-Dec'2023**. Undeniably, the highlight of this time around the year is the stupendous performance shown by our pre- and final year students in scripting excellent placement records in their dream companies. In fact, they have upheld the legacy of steadily raising the notch of median- and the highest salary in campus jobs. It had been an uphill, yet pleasant, task for the faculty in engaging and challenging students in novel ways in the course of rooting excellence and professionalism in them. This newsletter issue highlights many such opportunities extended to faculty and students, and the manner in which all have emerged with flying colors.

Happy to share that this year 72.89 % placements happened until now for the final year students, with an average package of 9.7 LPA.

**Dr. K. Ram Mohan Rao**

Prof &Head, Dept. of IT

# *Department Vision, Mission, PEOs, POs and PSOs*

## *Vision*

To be a center of excellence in emerging areas of Information Technology.

## *Mission*

- Provide a comprehensive learning experience on latest technologies and applications.
- Equip the stakeholders with technical knowledge and leadership skills with collaboration to become competent professionals.
- Motivate innovation and contribute to the societal issues with human values and professional ethics.

## *Program Educational Objectives (PEOs) of the Department*

**PEO1**: Pursue higher studies in multidisciplinary areas with research orientation.

**PEO2**: Develop core IT competencies aligned with emerging industry trends to become global professional leaders with ethical values.

**PEO3**: Engage in continuous learning and address the societal problems with sustainable solutions

## *Program Specific Outcome (PSOs) of the Department*

**PSO1:** Identify and develop software solutions using programming languages, tools and AI/ML concepts.

**PSO2:** Design, develop and maintain secure stand-alone, embedded and networked systems

**PSO3:** Analyze the architectures of autonomous or semi-autonomous intelligent systems and apply to real-time scenarios.

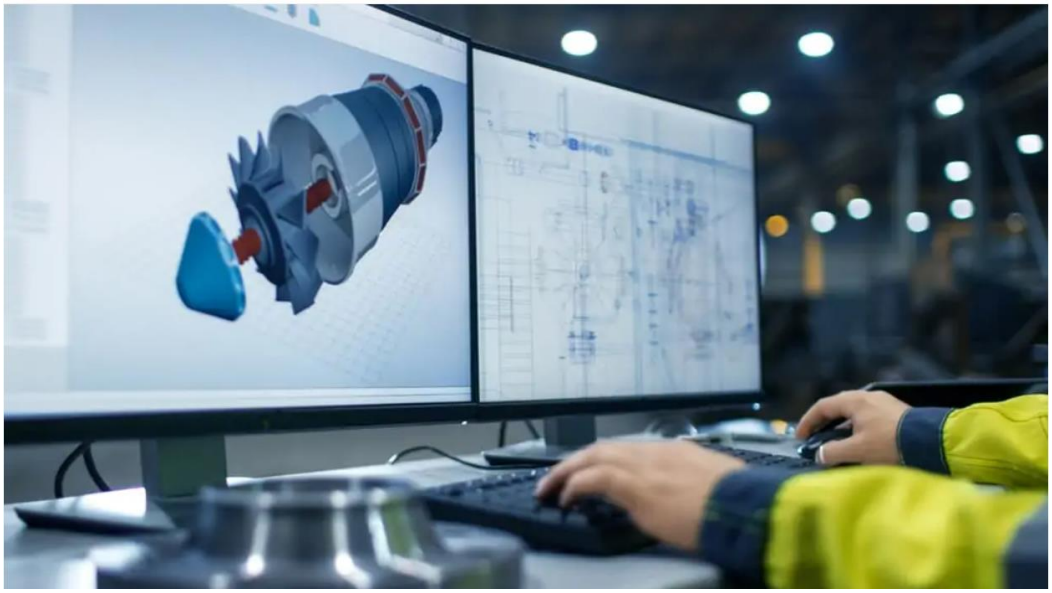
## *Program Outcomes (POs)*

**Engineering Graduates will be able to:**

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

# *Articles*

## *DIGITAL FABRICATION*



In the process of 3D model preparation within CAD software, various programs are available, with SolidWorks being a prominent choice for direct 3D drawing and assembly. The conversion of CAD files to the universally accepted STL format, essential for 3D printing, involves approximating surfaces using triangles. While the conversion process is typically quick, complex models on low-performance workstations may extend the timeframe. The subsequent pre-processing phase in Flashprint Software requires meticulous parameter setting for building, orientation, spatial arrangement, and support structures. User-friendly software with comprehensive documentation proves crucial in handling these parameters effectively. The printing phase in most Rapid Prototyping (RP) systems is automated, allowing overnight builds, and the duration depends on the size and quantity of parts within the system's constraints. Manual part removal and post-processing carry a risk of damaging the part, emphasizing the operator's responsibility. Important precautions include avoiding limbs in the build area, refraining from touching the heated nozzle, ensuring proper ventilation, and using gloves during 3D printer operation.

Few Advantages

1. Precision and Accuracy: Achieves exactness in intricate designs, minimizing errors for perfection.
2. Rapid Prototyping: Swift iterations and tests, accelerating product development and reducing time-to-market.
3. Customization: Easily tailored to preferences, meeting individual needs and specific requirements.
4. Reduced Waste: Minimizes material waste, aligning with sustainable practices in manufacturing processes.
5. Design Flexibility: Quick implementation of changes, adapting swiftly to evolving project requirements.

***By***
***Revanth K & Snigdha T***
***1602-23-737-042 & 1602-23-737-054)***

# *CLOUD ROBOTICS*

Have you ever wondered why people have presumed this “pre-defined concept” of robots being able to do everything automatically? This vague concept was encouraged by several movies, where a robot can perform any task, but it’s not true. Until and unless the task is pre-programmed in the robot, it cannot perform the same. But this limit can be exceeded by cloud robots! It looks up to leverage cloud technologies like distributed computing and cloud storage along with robotics, bringing about a robot that is connected to the cloud by means of the internet.

## What does Cloud Robotics mean for the industry?

Cloud robotics is a game-changer in the tech industry. By leveraging the cloud’s immense storage and processing capabilities, robots can carry out more complex tasks, learn from the shared experiences of other robots, and adapt their behaviours based on real-time data analysis. This revolutionizes what robots can do and how we perceive their potential in various industries, from healthcare and manufacturing to logistics and service provision.

## Advantages:

Cloud robotics represents a transformative shift in robotics, paving the way for highly efficient, adaptive, and intelligent robotic systems that can positively impact our daily lives and the global economy**.** More data storage and processing power are available to the robot. Onboard, cloud-connected robots are not required to undertake difficult activities. Tasks can be accomplished swiftly and in real time in the cloud.

## Applications of Cloud Robotics:

- Manufacturing: One of the earliest adopters of cloud robotics is the manufacturing industry. Cloud-enabled robots are utilized for assembly, quality control, and packaging tasks.
- Healthcare: Cloud robotics transforms medical industry; robots access patient data for diagnostics.

***By***
***P. Nikhitha***
***1602-23-737-030***

# *BEHAVIORAL BIOMETRICS AND ITS IMPLICATIONS*


Did you ever wonder if your gadgets recognize you? Do they know if anyone else is using them? Behavioral biometrics does just this. It is a technology that gathers data about a user's behavior and habits on their devices. Everyone types differently or uses their phone at a different angle. Behavioral biometrics analyzes all this data over a period of time, and can tell whether or not someone else is using the device. It works in the background and monitors thousands of things- the amount of pressure used on the keys, swiping and sliding patterns, the speed of typing, how you use and handle the phone, and many other tiny features that are unique to each person. It differs from physical biometrics which uses physical features such as facial recognition, fingerprints, iris, etc. Behavioral biometrics add another layer of authentication to our devices.

Advantages:

- Banking: It tracks and analyzes the entire process and not just the authentication, so even if anyone manages to bypass the initial security features, this technology can find the difference in habits to prevent banking fraud.
- Flexibility: It is adjusted to each individual according to their personal habits.
- Security: Behavioral biometrics prevent fraud with device theft, but face limitations due to age, injuries, etc.
- Privacy: Data breaches rise, privacy concerns grow with improper storage of personal information.

***By***
***K. Kavya***
***1602-23-737-020***

# *BI-DIRECTIONAL EV CHARGING*

Electric vehicles (EVs) revolutionize transportation but necessitate a reimagined power supply strategy. Bi-directional charging lets EVs draw and provide electricity, reshaping energy management for sustainability. This transformative shift sparks interest among car manufacturers due to its efficiency potential. In the process, EVs equipped with bi-directional chargers become integral to smart homes and grid systems through vehicle-to-home (V2H) or vehicle-to-grid (V2G) technology. Pilots, like Volvo's V2G program in Gothenburg, exemplify progress. Challenges include standardization, smart grid integration, battery technology, and cybersecurity. Achieving widespread adoption requires collaboration among automakers, utilities, and tech providers, emphasizing the need for clear consumer information on bi-directional charging capabilities, limitations, and potential savings. The evolution of electric vehicle technology and charging services underscores the importance of establishing a secure and seamless bi-directional charging ecosystem.

Advantages:

- Energy Flexibility: Bi-directional charging makes EVs mobile power sources, enhancing grid stability, reducing peak demand, and aiding energy management.
- Cost Savings and Environmental Impact: V2G initiatives save costs, using EVs for home power, reducing grid investment, and promoting sustainable practices.

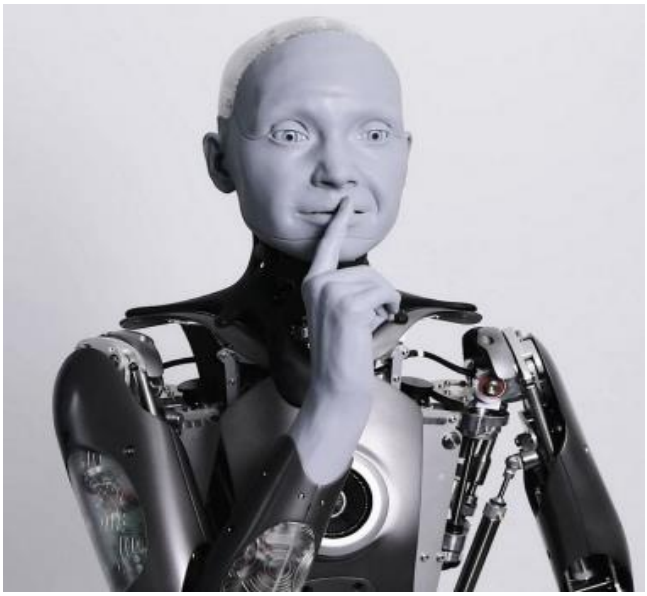
Disadvantages:

- Standardization Challenges: Lack of bi-directional charging standards hampers interoperability, hindering universal adoption among manufacturers and infrastructure providers.
- Infrastructure and Technology Hurdles: Bi-directional charging needs advanced smart grid, stakeholder cooperation, efficient batteries, and heightened cybersecurity for EV connectivity.

Bi-directional EV charging faces challenges in standardization, smart grid integration, battery tech demands, and cybersecurity risks, necessitating careful implementation strategies.

***Amruta Kajuluri***
***1602-23-737-006***

# *HUMANOID ROBOTS*



Humanoid robots are characterized by their ability to mimic human movements and behaviours, possessing arms, legs, a head, and often, a face that can express emotions. What sets them apart from other robotic forms is their capacity to interact with the world and humans in a remarkably human-like manner. This unique blend of technology and human like features has opened up a vast array of possibilities across a multitude of industries, ranging from healthcare and education to manufacturing, customer service, and beyond.

## Future Aspects:

In the future, humanoid robots will likely play pivotal roles in various industries, enhancing efficiency and productivity. Advanced AI and sensor technologies will enable them to perform complex tasks, collaborate seamlessly with humans, and even assist in healthcare and caregiving. Ethical considerations and societal integration will be crucial considerations.

## How are Humanoid Robots being used?

Humanoid robots are being employed in diverse fields. In healthcare, they assist with patient care and rehabilitation exercises. In manufacturing, they perform intricate tasks alongside human workers, enhancing efficiency. Educational settings use them to engage students in interactive learning experiences. Additionally, humanoid robots are utilized in research and space exploration. Their ability to mimic human movements and interact socially holds promise for the future in fields ranging from entertainment to disaster response.

Humanoid robots epitomize the fusion of human-like traits and cutting-edge technology, leading innovation in robotics. Beyond science fiction, they are tangible assets in healthcare, aiding patient care amid an aging population. In education, they enable personalized learning, shaping pedagogical futures. Industries like manufacturing and retail leverage their precision, efficiency, and constant availability, marking a transformative presence in diverse sectors.

***By***
***G. Hemanth***
***1602-23-737-017***

# *COMPUTING AND SMART MOBILITY*

What is Smart Mobility?

Smart mobility is an intelligent transport and mobility network that leverages technology and innovation to manage multiple forms of transport in more efficient, resilient, and sustainable ways.

It is used in daily life and business, which includes traditional motor vehicles, electric vehicles, public transportation systems, on-demand ride-sharing services (Uber and Lyft), car-sharing programs, bike and scooter share programs and autonomous vehicles.

Uses:

1.Reducing congestion: Smart mobility solutions can help reduce traffic congestion by providing real-time traffic information to drivers and suggesting alternative routes.

2.Improving safety: Smart mobility solutions can help improve safety by providing real-time information about road conditions and potential hazards.

3.Reducing emissions: Smart mobility solutions can help reduce emissions by promoting the use of electric vehicles.

What is Computing?

Computing refers to the use of computers to perform tasks that would otherwise require human intervention. In the context of smart mobility, computing plays a crucial role in enabling solutions for reshaping the urban mobility landscape.

Advances such as the Internet of Things (IoT), data analytics, artificial intelligence (AI), and cloud computing create a mix of connectivity in cities that can enable smarter decisions for better results.

Uses:

1.Enterprise software: Software designed to meet the needs of an organization, such as customer relationship management (CRM) systems, enterprise resource planning (ERP) software, and supply chain management (SCM) software.

2.Accounting software: Software used for managing financial transactions such as payroll, and tax preparation.

3.Office suites: Software that includes word processing and presentation applications, such as Microsoft Office, etc.

***By***

***Rathod Rupali & K.V. Sai Geetesh***

***1602-23-737-040, 1602-23-737-064***

# *CRUCIAL ROLE OF WOMEN IN STEM FIELDS*


In the dynamic landscape of Science, Technology, Engineering, and Mathematics (STEM), women have been making remarkable strides, contributing significantly to innovation and progress. Despite historical challenges, the increasing recognition of the vital role women play in STEM is reshaping the narrative and fostering a more inclusive and diverse environment.

Breaking Barriers: Historically, women faced barriers in accessing education and opportunities in STEM fields. However, as societies evolve, there is a growing acknowledgment of the need to break down these barriers. Initiatives promoting gender equality in education and the workplace have gained momentum, creating a more supportive ecosystem for women pursuing STEM careers.

Inspiring Pioneers: The journey of women in STEM is marked by inspiring pioneers who defied societal norms and paved the way for future generations. Figures like Marie Curie, who won Nobel Prizes in both Physics and Chemistry, and Grace Hopper, a computer science pioneer, demonstrated that gender should never limit one's contributions to the world of STEM.

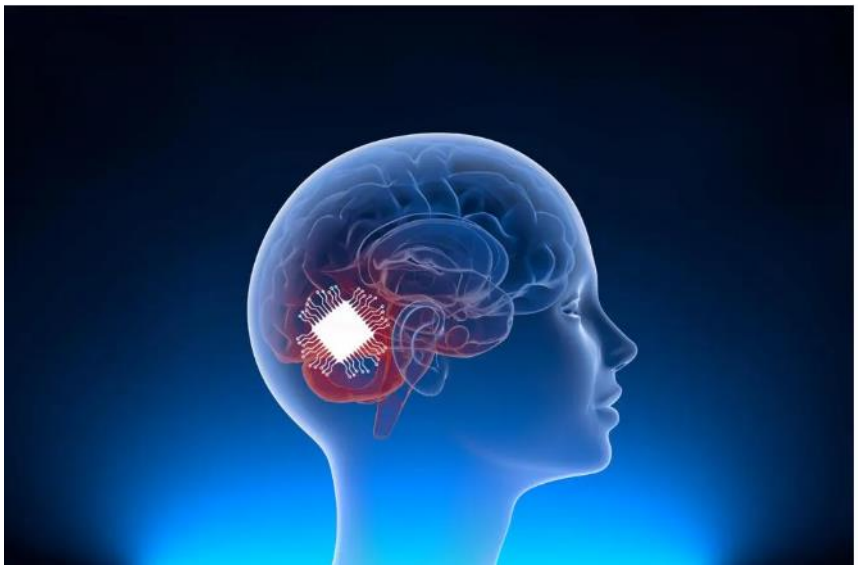
Importance of Diversity: The inclusion of women in STEM is not merely about gender equality; it's about recognizing the power of diverse perspectives. Research shows that diverse teams enhance creativity and problem-solving, leading to more robust and innovative outcomes. Embracing diversity in STEM fields is essential for addressing complex global challenges and ensuring the development of inclusive technologies.

Challenges and Opportunities: Despite progress, challenges persist. Women in STEM may face gender biases, lack of representation, and sometimes, a discouraging work environment. Organizations and educational institutions must actively address these issues, fostering an atmosphere where women feel empowered and supported in their STEM pursuits.

Women in STEM drive transformative advancements, shaping our world. Breaking barriers, fostering diversity, and inspiring future generations are essential for innovation. Empowering women in STEM is a strategic imperative.

***By***
***B. Poornima***
***1602-23-737-032***

# *NEURO LINK: BRIDGING MINDS AND MACHINES*



Paralysis Brain Chip: A Revolutionary Breakthrough in Neuroscience

The paralysis brain chip, also known as a brain-computer interface (BCI), is a device designed to bridge the gap between the brain and external systems, facilitating communication and control for individuals with paralysis. It involves implanting a microelectrode array into the brain, which allows direct communication between brain cells and external devices. It is a microelectronic device implanted in the brain to enhance cognitive functions, enable communication with external devices, and treat neurological disorders by interfacing with neural circuits.

Functionality and Working Mechanism: The brain chip operates by decoding brain signals into actionable commands that can control external devices such as robotic limbs, computer interfaces, or assistive technologies. The implanted electrodes intercept neural signals, interpret them into specific instructions, and transmit these commands to the desired external device.

Application of Paralysis Brain Chip:

1. Brain chip restores mobility, enabling control of prosthetics for paralysis.

2. Enhances communication allowing direct thought-based interaction for improved expression.

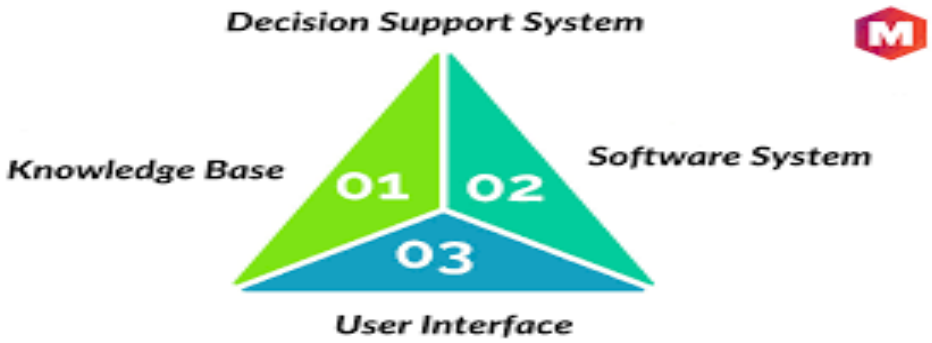
3. Improves quality of life, granting greater control and reintegration.

***By***

***Akshitha Allampally & Varshith Potnuru***

***1602-23-737-004 & 1602-23-737-062***

# *DECISION SUPPORT SYSTEM*




A Decision Support System (DSS) is an information system that aids decision-makers in analyzing data and making informed choices by providing relevant information, models, and tools for decision-making processes. It is used in various fields like business, healthcare and finance.

Benefits:

- **Fast:** DSS are a quick way to make decisions. They provide results within minutes, allowing users to make informed decisions quickly and leading to greater satisfaction with their choices.
- **Automation**: DSS automate the decision-making process, making process, making it easier for users to make decisions.
- **Efficient:** DSS are efficient because they reduce the chance of errors in decision-making..
- **Low Cost:** DSS are cost-effective because they require fewer resources than traditional decision-making methods.

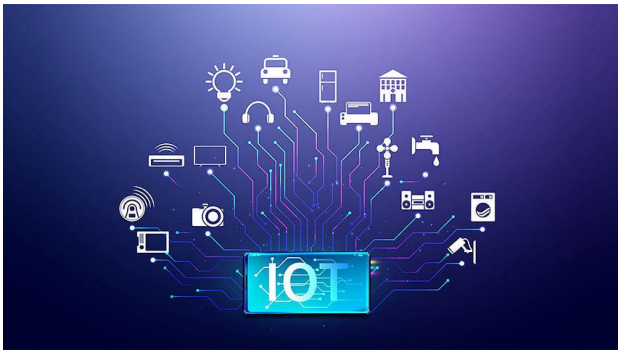
Challenges:

- **Data Quality:** The quality of data used in DSS can affect the accuracy of the results.
- **Complexity:** DSS can be complex, making it difficult for users to understand how they work.
- **Resistance To Change:** Some user may resist using DSS because they prefer traditional decision-making methods.
- **Security Concerns:** DSS may be vulnerable to security branches, which can compromise sensitive data.

Decision Support Systems streamline decision-making with data analysis, models, and tools. Enhancing efficiency, accuracy, and informed choices, they empower organizations to adapt and thrive in dynamic environments.

***By***
***Rathod Rupali & K.V. Sai Geetesh***
***1602-23-737-040 & 1602-23-737-064***

# *INTERNET OF THINGS*




The term “Internet of Things” or IoT was first coined by Kevin Ashton in 1999. But it was only when Gartner added IoT to its list of new emerging technologies in 2011, that it started to gain global momentum. As of 2021, there were 21.7 billion active connected devices in the world today, out of which more than 11.7 billion (54 percent) are IoT devices. This means that there are more IoT devices in the world than there are non-IoT devices.

IoT is an umbrella term that refers to the billions of physical objects or “things” connected to the Internet, all collecting and exchanging data with other devices and systems over the Internet. While IoT has been in existence since the 90s, recent advances in a number of different technologies have made it more practical, such as: Access to affordable and reliable sensors, Increase in the availability of cloud computing platforms, Advances in machine learning and AI technologies.

Types of IoT in use:

Consumer IoT - Primarily for everyday use. Eg: home appliances, voice assistance, and light fixtures.

Commercial IoT - Primarily used in the healthcare and transport industries. Eg: smart pacemakers and monitoring systems.

Military Things (IoMT) - Primarily used for the application of IoT technologies in the military field. Eg: surveillance robots and human-wearable biometrics for combat.

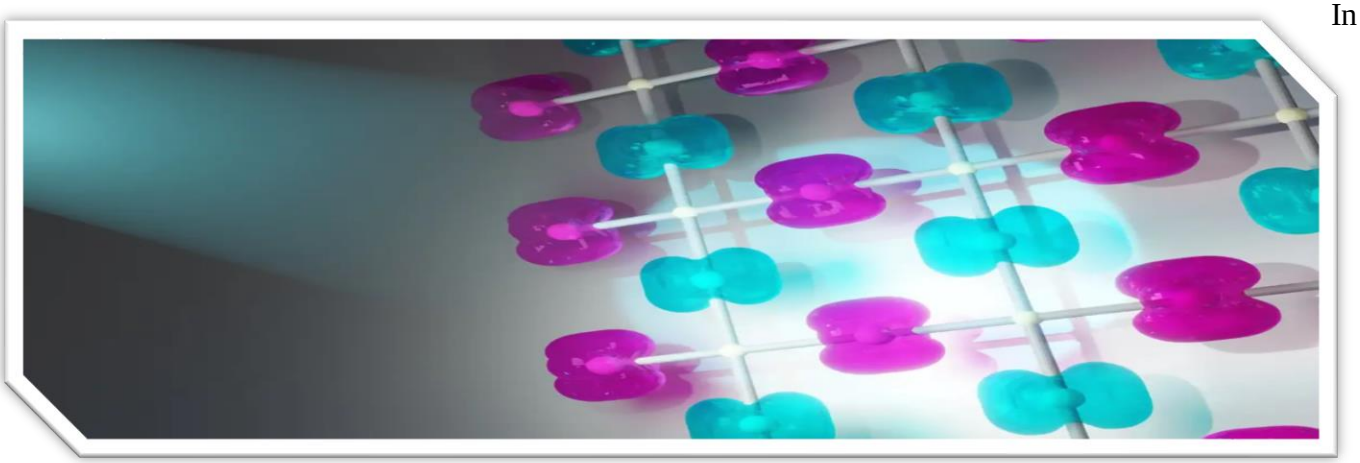
Industrial Internet of Things (IIoT) - Primarily used with industrial applications, such as in the manufacturing and energy sectors. Eg: Digital control systems, smart agriculture and industrial big data.

Infrastructure IoT - Primarily used for connectivity in smart cities. Eg: infrastructure sensors and management systems.

***By***
***Sharath Chandra***
***1602-22-737-175***

# *ALTERMAGNETISM- ITS EFFECTS ON DEVELOPING SPINTRONICS*

In



In our plus 2, we all learned that magnetism is a lot more than just things that stick to the fridge. This understanding came with the discovery of antiferromagnets nearly a century ago. Since the discovery of antiferromagnets, the family of magnetic materials has been divided into two fundamental phases: the ferromagnetic known for several centuries and the antiferromagnetic. The experimental proof of a third branch of magnetism, termed ***altermagnetism***, was made at the **Swiss Light Source SLS**, by an international collaboration led by the **Czech Academy of Sciences** together with **Paul Scherrer Institute PSI**.

So what's this altermagnetism….

Altermagnets have a special combination of the arrangement of spins and crystal symmetries. The spins alternate, as in antiferromagnets, resulting in no net magnetisation. Yet, rather than simply cancelling out, the symmetries give an electronic band structure with strong spin polarization that flips in direction as you pass through the material's energy bands -- hence the name altermagnets. This results in highly useful properties more resemblant of ferromagnets, as well as some completely new properties. Altermagnetism stands out the most due to its potential advancement of spintronics which is still in its infant stages of development. Spintronics is a next-gen magnetic memory. Spintronics operate by exploiting the spin-state of electrons to carry information. Although spintronics is bound to revolutionise IT, as previously mentioned it's still in its infancy. Typically, ferromagnets have been used for such devices, as they offer certain highly desirable strong spin-dependent physical phenomena. Yet the macroscopic net magnetisation that is useful in so many other applications puts practical limitations on the scalability of these devices as it causes crosstalk between bits -- the information carrying elements in data storage.

"That's the magic about altermagnets," says Tomáš Jungwirth from the Institute of Physics of the Czech Academy of Sciences, principal investigator of the study. "Something that people believed was impossible until recent theoretical predictions is in fact possible."

***By***
***CH. Reuben Moses***
***1602-23-737-103***

# *PLACEMENTS*

| S. No. | Name of the Company | No. of students |
|---|---|---|
| 1 | Oracle – GBU, (Internship 50 K per month & Employment CTC 1,450,000 per annum Stocks worth USD 20,000 with a 4 years) | 6 |
| 2 | Oracle - EW-GBU, (Internship 50 K per month & Employment CTC 1,324,740 per annum ) | 9 |
| 3 | Service Now , (Internship 70K per month & Rs. 42,60,992 Lakhs per annum) | 3 |
| 4 | Salesforce (CSG Support), (Internship 40K per month & Rs.9.00 Lakhs p.a.) | 1 |
| 5 | CISCO, (Internship 98K per month & Employment (Rs. 23.60 Lakhs Including Basepay of 15L + Variable + PF) + Stocks + Benefit) | 4 |
| 6 | Pega Systems, (Internship 25 K per month & Employment Rs.10.00 Lakhs p.a.60,000 Bonus + 69,231 Benefits= 11,29,231 + 5000 USD RSU's | 6 |
| 7 | Providence India, (Rs.10.00 Lakhs p.a.) | 2 |
| 8 | Accolite Digital, (Internship 20 K per month & Employment Rs 9.00 Lakhs p.a) | 2 |
| 9 | Verisk, (Internship 30 K per month & Employment Rs 9.20 Lakhs p.a) | 1 |
| 10 | DeltaX, (Internship 10 K per month & Employment Rs 7.00 Lakhs p.a) | 1 |
| 11 | OmniCloud, (Internship 20 K per month & Employment Rs 6.00 Lakhs p.a) | 2 |
| 12 | Deliveroo, (Internship 75 K per month & Employment Rs.26.00 Lakhs p.a.) | 1 |
| 13 | Accenture, (Rs.4.50 Lakhs p.a.) | 11 |
| 14 | Microsoft India (R & D) Pvt. Ltd., (CTC-15.00 LPA, bonus 5 Lakhs & stocks 35000 USD Rs.48Lakhs ) | 1 |
| 15 | Fiserv India Pvt Ltd, (Rs.9.00 Lakhs p.a.) | 1 |
| 16 | UST Global , (Rs.4.25 Lakhs p.a.) | 4 |
| 17 | National Institute of Urban Management , (Internship 10 K per month & Employment Rs 4.50 Lakhs p.a) | 2 |
| 18 | Deloitte Tax Technology, (Rs.7.60 Lakhs p.a.) | 2 |
| 19 | S & P Global, (Rs.9.00 Lakhs p.a.) | 13 |
| 20 | Zelis India, (Internship 15 K per month & Employment Rs 4.50 Lakhs p.a) | 5 |
| 21 | Skill Soft, (Rs.10.00 Lakhs p.a.) | 4 |
| 22 | Principal Global, (Internship 20 K per month & Employment Rs 8.00 Lakhs p.a) | 5 |
| 23 | Keyloop, (Internship 25 K per month & Employment Rs 5.00 Lakhs p.a) | 1 |
| 24 | AT & T Global, (Internship 45 K per month & Employment Rs 13.00 Lakhs p.a) | 2 |
| 25 | TA Digital, (Rs.4.75 Lakhs p.a.) | 3 |
| 26 | F5 Networks, (Internship 75 K per month & Employment Rs 21,45,666 Lakhs p.a) | 3 |
| 27 | People Tech, (Internship 10 K per month & Employment Rs 3.0 Lakhs p.a) | 1 |
| 28 | Saras Analytics, (Internship 25 K per month & Employment Rs 7.00 Lakhs p.a) | 2 |
| 29 | Modak Analytics, (Internship 25 K per month & Employment Rs 6.00 Lakhs p.a) | 5 |
| 30 | Inncircles, (Internship 25 K per month & Employment Rs 10.00 Lakhs p.a) | 1 |
| 31 | MTX Inc.,(Internship 25 K per month & Employment Rs 7.00 Lakhs p.a) | 14 |
| 32 | Real Page, (Internship 15 K per month & Employment Rs 8.00 Lakhs p.a) | 4 |
| 33 | Qualizeal, (Internship 10 K per month & Employment Rs 4.00 Lakhs p.a) | 7 |
| 34 | Winfo Solutions, (Rs.4.00 Lakhs p.a.) | 5 |
| 35 | GAIAN Solutions, (Internship 40 K per month & Employment Rs 6.00 Lakhs p.a) | 2 |

| | | |
|---|---|---|
| 36 | TCS – Prime, (Internship 15 K per month & Employment Rs 9.00 Lakhs p.a) | 1 |
| 37 | TCS – Digital, (Internship 15 K per month & Employment Rs 9.00 Lakhs p.a) | 9 |
| 38 | TCS –Ninja, (Rs.3.50 Lakhs p.a.) | 18 |
| | **No. of Students registered with 6.5 CGPA and above** | **166** |
| | **Gross Selections** | **164** |
| | **Net Selections** | **121** |
| | **% of Selections** | **72.89** |

# *INTERNSHIPS*

| Sl.No. | Hall Ticket Number | Student Name | Company Name | Stipend in INR |
|---|---|---|---|---|
| 1 | 1602-20-737-001 | ABHIRAM.SREEKAR V IRUVANTI | ServiceNow | 70,000 |
| 2 | 1602-20-737-003 | DOODALA.AKSHITHA | CISCO | 98,000 |
| 3 | 1602-20-737-043 | DEVARAKONDA.SREE SURYA | CISCO | 98,000 |
| 4 | 1602-20-737-026 | CHOPPALA.NIKITHANJALI | Wayfair | 75,000 |
| 5 | 1602-20-737-030 | BADDAM RAKESH REDDY | F5 Networks | 75,000 |
| 6 | 1602-20-737-055 | SINGARI.TEJASWI | Wayfair | 75,000 |
| 7 | 1602-20-737-122 | THALLADA AJAYKUMAR | F5 Networks | 75,000 |
| 8 | 1602-20-737-126 | KILLAMSETTY ASISH | F5 Networks | 75,000 |
| 9 | 1602-20-737-089 | PASULA PAVAN KALYAN | ServiceNow | 70,000 |
| 10 | 1602-20-737-124 | KABIR.ANIRUDH | ServiceNow | 70,000 |
| 11 | 1602-20-737-007 | SHAMAKKAGARI.BHARATH REDDY | Oracle | 50,000 |
| 12 | 1602-20-737-025 | MODAGALA.NIKHIL NARSIMHA | Oracle | 50,000 |
| 13 | 1602-20-737-035 | RENIKUNTA.SAI SATHVIK | Oracle | 50,000 |
| 14 | 1602-20-737-040 | CHEPURI.SHREYA | Oracle | 50,000 |
| 15 | 1602-20-737-062 | ABHINAV.VANNOJ | Oracle | 50,000 |
| 16 | 1602-20-737-078 | LOYA.SAKSHI | Oracle | 50,000 |
| 17 | 1602-20-737-084 | CHENREDDY.NARENDRA SAI | Oracle | 50,000 |
| 18 | 1602-20-737-085 | LOKA.NARSA REDDY | Oracle | 50,000 |
| 19 | 1602-20-737-098 | APURU.ROHAN | Oracle | 50,000 |
| 20 | 1602-20-737-110 | PANDUGA.SREE NITHYA | Oracle | 50,000 |
| 21 | 1602-20-737-112 | MEKALA.SRIJANI | Oracle | 50,000 |
| 22 | 1602-20-737-136 | HIMA ATLURI | Oracle - GBU | 50,000 |
| 23 | 1602-20-737-173 | BASHETTI.SNEHITH KUMAR | Oracle | 50,000 |
| 24 | 1602-20-737-056 | PELLIVILLA.UMADEVI | AT&T | 45,536 |

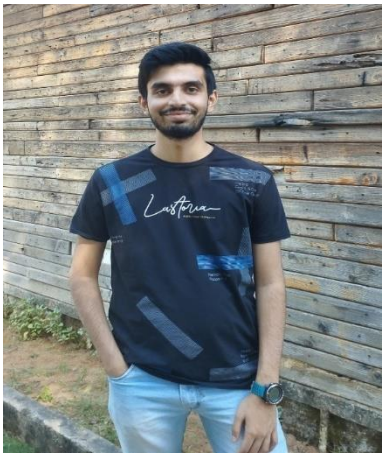
# *INTERNSHIPS*

| Sl.No. | Hall Ticket Number | Student Name | Company Name | Stipend in INR |
|---|---|---|---|---|
| 25 | 1602-20-737-086 | NOMULA.NAVEEN REDDY | AT&T | 45,536 |
| 26 | 1602-20-737-004 | NAMPALLY.AKSHITHA | Providence | 40,000 |
| 27 | 1602-20-737-037 | CHEEDELLA SAMIKSHA | Brane Enterprises | 35,000 |
| 28 | 1602-20-737-162 | HRUDAI ADITYA | Brane Enterprises | 35,000 |
| 29 | 1602-20-737-008 | MALIGIREDDY.CHANDRA KIRAN REDDY | SalesForce | 30,000 |
| 30 | 1602-20-737-149 | GUNDA NITHIN | UOH | 30,000 |
| 31 | 1602-20-737-159 | PUDUCHERI SAI SRINATH | Verisk | 30,000 |
| 32 | 1602-20-737-168 | SHAIK MOHAMMED SAMEER | UOH | 30,000 |
| 33 | 1602-20-737-006 | JAGARLAMUDI.ANJAN SAI | Principal Global Services | 25,000 |
| 34 | 1602-20-737-019 | DHARMAVARAPU.LALITHA SOWJANYA | PEGA | 25,000 |
| 35 | 1602-20-737-044 | ALAKA SREENIJA | PEGA | 25,000 |
| 36 | 1602-20-737-050 | ROUTHU.SUMANTH ABINAY | Keyloop | 25,000 |
| 37 | 1602-20-737-059 | YENUMULAPELLI.VISHNU TEJA | PEGA | 25,000 |
| 38 | 1602-20-737-082 | MOHD.SHADAB HUSSAIN | PEGA | 25,000 |
| 39 | 1602-20-737-101 | SAKETH KUMAR PEDDI | VARAHA CLIMATEAG | 25,000 |
| 40 | 1602-20-737-113 | VANGALA.SRINIVAS REDDY | PEGA | 25,000 |
| 41 | 1602-20-737-120 | MANTHATI.VISHWAVARDHAN | Principal Global Services | 25,000 |
| 42 | 1602-20-737-132 | BUSIREDDY.HARIPRIYA | Principal Global Services | 25,000 |
| 43 | 1602-20-737-170 | SHOAIB.ALEEMUDDIN | Saras Solutions | 25,000 |
| 44 | 1602-20-737-174 | MANDALA.SRIRAM REDDY | Saras Solutions | 25,000 |
| 45 | 1602-20-737-178 | GOGIREDDY.VIJAY SIMHA REDDY | Principal Global Services | 25,000 |
| 46 | 1602-20-737-011 | TINNAVELLI.DEVI SRUJANA | Zelis health care | 21,000 |
| 47 | 1602-20-737-087 | Nikhitha | Zelis health care | 21,000 |
| 48 | 1602-20-737-092 | Pranith | Zelis health care | 21,000 |

# *INTERNSHIPS*

**Abhiram**
**1602-20-737-001**
**Service Now**


**Shreya Chepuri -**
**1602-20-737-040**
**Providence**

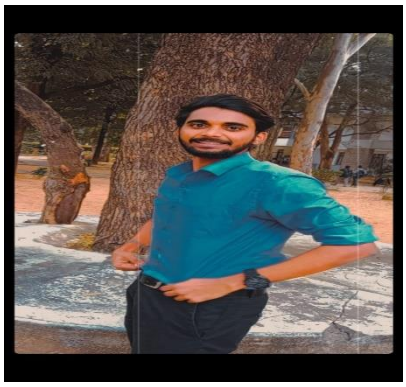


**Sree Surya Devarakonda**
**1602-20-737-043**
**Cisco**

**Akshitha Nampally**
**1602-20-737-004**
**Providence**

**Hima Atluri**
**1602-20-737-136**
**Microsoft**

**Anirudh Kabir**
**1602-20-737-124**
**Service Now**



**Pavan Kalyan Pasula**
**1602-20-737-089**
**Service Now**

# *INTERNSHIPS*

**P Hrishitha**
**1602-20-737-137**
**S&P Global**

**Peddaboina Roshini**
**1602-20-737-032**
**S&P Global**

**K Sai Shruthi**
**1602-20-737-036**
**S&P Global**

**Choppala Nikitanjali**
**1602-20-737-026**
**S&P Global**

**Doodala Akshitha**
**1602-20-737-003**
**Brane Enterprises**

**P Sathwika**
**1602-20-737-104**
**S&P Global**

# *INTERNSHIPS*


**Baddam Rakesh Reddy**
**1602-20-737-030**
**F5 Networks**

**Shravani Narsini**
**1602-20-737-039**
**MTX**

**Sai Sathvik**
**1602-20-737-035**
**Oracle**

**Lalitha Sowjanya**
**1602-20-737-019**
**Pega Systems**


**Devi Srujana**
**1602-20-737-011**
**Zelis Health Care**

**Satya Ram Akash Aaki**
**1602-20-737-105**
**InnCircles**

**Abhinav Vannoj**
**1602-20-737-062**
**Oracle**

**Sumanth Abhinay**
**1602-20-737-050**
**Key Loop India**

# *PAPER PUBLICATIONS*

1. Rakheeba Taseen, Niranjan L , Haseeba Yaseen, Imtiyaz Ahmed B K, Sridhar N, N Shwetha, An Artificial Neural Network Based Energy Efficient Wireless Detection System to Extend the Lifetime of the Network- International Conference on Smart Systems for applications in Electrical Sciences (ICSSES 2023) Organized by Association of Electrical Sciences, SIT,Tumkuru, 7th-8th July 2023, published in IEEE Explore.

2. Akshatha Bhat, Lavanya MS, Niranjan L , Rakheeba Taseen, Haseeba Yaseen, , N Shwetha, Wireless Detection Systems Using Matrix-Oriented Diffusion International Conference on Smart Systems for applications in Electrical Sciences (ICSSES 2023) Organised by Association of Electrical Sciences, SIT,Tumkuru, 7th-8th July 2023, published in IEEE Explore.

3. S. Aruna, Swarna Kuchibhotla, Emotion sensitive analysis of learners' cognitive state using deep learning" Journal of Autonomous Intelligence is published by Frontier Scientific Publishing. This work is licensed under the Creative Commons Attribution-Noncommercial 4.0 International License (CC BY-NC 4.0). https://creativecommons.org/licenses/by-nc/4.0Journal of Autonomous Intelligence (2024) Volume 7 Issue 2 doi: 10.32629/jai.v7i2.790 ARTICLE INFO: Received: 26 June 2023 Accepted: 19 July 2023 Available online: 1 December 2023 COPYRIGHT : Copyright © 2023 by author(s).

4. B. Padmaja, Thota Anjusree, E. Krishna Rao Patro, Tilottama Goswami, M. Nagaraju "Intelligent automation using IoT and machine learning", Cognitive Sensing Technologies and Applications, IET , August 2023, p. 277 –301 (25) Book DOI: 10.1049/PBCE135E, Chapter DOI: 10.1049/PBCE135E_ch11, ISBN: 9781839536892

5. Arun Kumar Silivery a, Ram Mohan Rao Kovvur b, Ramana Solleti c, LK Suresh Kumar, Bhukya Madhu d,' A model for multi-attack classification to improve intrusion detection performance using deep learning approaches', Measurement: Sensors Measurement: Sensors 30 (2023) 100924 https://doi.org/10.1016/j.measen.2023.100924 Received 7 July 2023; Received in revised form 17 August 2023; Accepted 7 October 2023,Available online 21 October 2023, 2665-9174/© 2023 The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY license (http://creativecommons.org/licenses/by/4.0/).

6. Tilottama Goswami**,** Mukesh Kumar Tripathi, Erappa G, Shivakumar Swamy N, Manohar Koli, Niranjan R Chougala "Natural Language Processing for Prediction of Election Results on Twitter Engagement and Polls" International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9 Article Received: 25 July 2023 Revised: 12 September 2023 Accepted: 30 September 20231932 IJRITCC | September 2023, Available @ http://www.ijritcc.org Pp1932-1941

7. T. Hitendra Sarma, Mrudula K, A new approach for efficient clustering using fuzzy prototypes with varying neighborhoods, 4th International E-Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2023) held at Department of

CSE, VNR VJIET. Conference Dates : 22-23 September, 2023

8. Subhash Chander Goud O, T. Hitendra Sarma and Shoba Bindu, Optimal Band Selection in Hyperspectral Images using Improved K-Means Clustering with Spectral Similarity Measures, 5th IEEE International Conference on Artificial Intelligence in Engineering and Technology held at the Pacific Sutera Hotel, Kota Kinabalu, Sabah 12-14 September, 2023

9. Mukesh Kumar Tripathi , Praveen Kumar Reddy, Madugundu Neelakantappa,Chetan Vikram Andhare , Shivendra paper titled Identification of mango variety using near infrared Spectroscopy published in Indonesian Journal of Electrical Engineering and Computer Science Vol. 31, No. 3, September 2023, pp. 1776~1783 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v31.i3.pp1776-1783Journal homepage: http://ijeecs.iaescore.com

10. Dr.Mukesh Kumar Tripathi, Dr. M.Neelakantappa , Anant Nagesh Kaulage, Dr.Khan Vajid Nabilal, Dr. Sahebrao N. Patil, Dr.Kalyan Devappa Bamane,"Breast Cancer Image Analysis and Classification Framework by Applying Machine Learning Techniques" International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING ISSN:2147-6799 Submitted: 27/04/2023 Revised: 25/06/2023 Accepted: 04/07/2023Original Research Paper IJISAE, 2023, 11(3), 930–941

11. S.K. Prashanth, Hena Iqbal, Babu Illuri An Enhanced Grey Wolf Optimisation Deterministic Convolutional Neural Network (GWO–DCNN) Model-Based IDS in MANET An Enhanced Grey Wolf Optimisation–Deterministic Convolutional Neural Network (GWO–DCNN) Model-Based IDS in MANET

12. SK Prashanth, S China Ramu, K. Raghu Ram Mohan Reddy, Sukanya ledalla, Raman Dugyala, G. Vijendar Reddy, Yerragudipadu, Subbarayudu DDSBM: Distributed Decentralized Smart Contracts On Block Chain Marketplace For Books Through Ethereum Section A-Research paper DOI: 10.48047/ecb/2023.12.si10.00329 Eur. Chem. Bull. 2023, 12(Special Issue 10), 2760 –2776 Pp 2760-2776

13. Sri Lalitha Y, Tejashwi 2, SK Prashanth, Ganapathi Raju N V, Gayatri Y, Raman Dugyala, Vijendar Reddy Gurram An Efficient Novel Approach On Machine Learning Paradigms For Analysis And Prediction Of Academic Performance Based On Student Behaviour Approach Section A-Research paper DOI: - 10.48047/ecb/2023.12.si10.00152 Pp1276-1286 Eur. Chem. Bull. 2023, 12 (Special Issue 10), 1276 –1286

14. Tilottama Goswami, Yaksha Kasturi, Kommareddy Anvitha, Kovvur Ram Mohan Rao Performance Evaluation of Hyperspectral Image Classification Methods: A Comparative Study', International Journal of Engineering Trends and Technology Volume 72 Issue 1, 209-218, January 2024 ISSN: 2231–5381 / https://doi.org/10.14445/22315381/IJETT-V72I1P121 © 2024 Seventh Sense Research Group® Received: 02 September 2023 Revised: 11 December 2023 Accepted: 23 December 2023 Published: 07 January 2024

15. Sireesha C," Alzheimer's Disease Progression for PET Data with Incomplete Clinical Scores using Deep Learning " Accepted for oral presentation and publication in Springer proceedings of MICA 2023 (Scopus Indexed).

16. R. Sudha1, B. Indira2, M. Kalidas2, Kalluri Rama Krishna3, M. Jithender Reddy2, G.N.R.

Prasad2*, E-commerce in the B2B market: solutions for the point of sale The Scientific Temper (2023) Vol. 14 (3): 786-791 E-ISSN: 2231-6396, ISSN: 0976-8653 Doi: 10.58414/SCIENTIFICTEMPER.2023.14.3.34 https://scientifictemper.com/ Web of Science © The Scientific Temper. 2023 Received: 12/07/2023 Accepted: 03/08/2023 Published : 25/09/2023 Pp786—791

17. Murali Kanthi; K. Venkateshwara Rao; Sudha Pavani K; Nuthanakanti Bhaskar; Shankar Nayak Bhukya; T. Hitendra Sarma, A Multiple Branch Fusion Network for Feature Learning and Hyperspectral Image Classification2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT) Date of Conference: 06-08 July 2023 Date Added to IEEE Xplore: 23 November 2023 Conference Location: Delhi, India

18. S Renuka, Software Defect Prediction Using DeepSemantic Feature LearningIEEE International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT) (EASCT-2023) inassociation with IEEE Bangalore Section during 20 & 21 October 2023 at RV Institute of Technologyand Management (c), JP Nagar, Bangalore, Karnataka.

19. B. Leelavathy, Anurag Varma Dr. K. Ram Mohan Rao Dr. K. Raghavendra, Real Time Voice/Speech Command and Control System (CCS) for Unmanned Aerial and Ground Vehicles on 4G Cellular/GPRS Network2023 2023 Global Conference on Information Technologies and Communications (GCITC) during 1st & 3rd December 2023. IEEE Bangaore Session.

20. Haseeba Yaseen, Privacy Preservation Issues and Tools for Smart Contracts in Blockchain- A concise survey Paper presented in 8th International Conference on Reserach in Intelligent Computing in Engineering (RICE 2023) held at Maulana Azad National Urdu University, Central University, Hyderabad during- December 1-2 2023.

21. S. Rajya Laxmi, S,Saathvika, Sthavara,Neha, Darshanam Identifying objects at construction sites using CNNPresented at 2nd International Conference on Advances in Computational Intelligence and Informatics (ICACII 2023), scheduled to take place on 22nd -23rd December 2023 at Anurag University, Hyderabad

22. Dr. S.K. Chaya Devi, Sharath Chandra Siddhartha Volisetti2 Real-time Pose Estimation and Correction System for Improving Exercise Performance Two-day International Conference on Advances in Computational Intelligence (ICACI) 2023 organized on 15-16 December, 2023 by Dept. of IT, MVSREC, Hyd

23. Ravichander Janapati, Sandip Bhattacharya, Srinivas Rao Gorre, Sreedhar Kollem, Bhavesh K Verma, Chakradhar Adupa, Usha Desai, Bikshalu Real-Time Emotion Detection System using Emotive and ESP-32 20th India Council International Conference (INDICON) – 2023 20th India Council International Conference (INDICON) – 2023 CMRIT, Hyderabad. 14-17 December 2023.

# *PATENTS*

1. Ms.A.Anusha, Mr.Baddham Sai Ram Goud, Mr.G.Kiran Kumar, Mrs. Haseeba Yaseen , Dr.Sikhakolli Gopi Krishna ,Dr.Guru Kesava Dasu Gopisetty ,Mrs.Y.Prasanthi ,Dr.D.Vijaya Kumar ,Dr.K.Jagan Mohan ,Dr.Sanjeev Kumar, Patent on "Controlling an Autonomous vehicle arrangement using Artificial Intelligence" Application No.202341048309, Date of filing of Application :19/07/2023, Publication Date : 01/09/2023

2. Dr. Agarwal Arun, Dr. Goswami Tilottama, Dr. Chillarige Raghavendra Rao Research Contribution on Framework for Representing Outdoor Scenes has been granted the German Patent German Patent IPC: G06T 7/10 Application No.20 2023 101 249 Date of filing of Application :15/03/2023 Publication Date: 03/04/2023

3. M K Sripriya, V S Anirudh, Shylesha Channapattana, A Shiva Kaushal, K Vaishnavi, Naveen Manda, V Abhiram Sreekar, T. Hitendra Sarma, R. Dharma Reddy, Dr.Mukesh Kumar Tripathi Dr.Srinidhi , C Development of a Novel Fused descriptor-based framework for recognition of fish species Applying Machine learning techniques India Patent Application No.202341018025 A Date of filing of Application :17/03/2023 Publication Date : 31/03/2023

4. Dr.Ravi Kumar Poluru , Dr.Farhad F Mehta, Mr.Tulasi Rajesh ,Mr.K.Yakub Reddy, Dr.Shubangini Patil ,Dr.Laxmi Math, Dr.Shantkumari B Patil ,Mrs.S.Vijaya Lakshmi ,Mrs.Haseeba Yaseen , Dr.Kapil Paiwal ," A Method for identification of appropriate drugs for specific diagnosis " Application No.202341016138 A Date of filing of Application :10/03/2023 Publication Date : 24/03/2023

5. Dr. S. K. Prashanth, Dr. M. Neelakantappa, Mr. Manoj A. Patil, Dr.T. Satyanarayana Murthy Patent On "IOT Based Face Mask Detecting and Body Temperature Measuring Device", IP India Application No.: 376913-001, CBR No.:200328, CBR Date: 07.01.2023.

6. Dr Sanjeev Kumar Mandal, S. Rajyalaxmi, Amar Pal Yadav, Dr Praveen B patil, Dr. Radhika Harinarthini, Dr. M. S. Vasu, Dr. M. Vetrivel, Dr. k. Kumar, Dr Manminder Kaur, Dr. A. Sasi kumar, Dr. A. Suresh, Nagamarimuthu Patent on "Systematic Framework for Analyzing the Performance Of Supply Chain Finance Management Through Block Chain", Application No.202241069356 A Date of filing of Application :1/12/2022 Publication Date: 30/12/2022.

7. Dr. B. Kezia Rani, P. John Paul, Mohammed Mueen Pasha M, Dr. Gaurav Bansal, Sarthak Tyagi, Dr. Neeraj Sanghi, A Suresh Kumar, Tapas Kumar Choudhury, Dr.D.Sasikala Devi, Mohd Asif Shah, G Divakara Reddy, Dr.A.Sasi Kumar Patent on "A Novel Technique Based on Support Vector Machines For Predicting The Daily Closing Prices Of Selected Shares In The Stock Market", Application No.202241077043 A Date of filing of Application :30/12/2022 Publication Date : 13/01/2023.

8. Dr. B. Kezia Rani, Dr. P. John Paul, Dr.V.Anitha, Prof. Ashwini Raipure, Rajesh Kumar , Sumita Kumar, Dr. Pawan K Sharma, Mallikarjuna Rao Gundavarapu, Prof (Dr.)Vivek Singh Kushwah, Mohd Asif Shah, Dr. Sushil Kumar, Dr.A.Sasi Kumar Patent on "Implementation Of Machine Learning Techniques for Attack and Anomaly Detection In Internet Of Things (IOT) Sensors And Sites", Application No. 202241073450 A Date of filing of Application :19/12/2022 Publication Date: 06/01/2023.

# *STUDENT ACHIEVEMENTS*

| Sl. No | Sem | H.T. Nos | Student Name | Date | Event | Prizes Won /Remarks |
|---|---|---|---|---|---|---|
| 1 | VII | 1602-20-737-132 | Hari Priya | 1st -2nd Dec 2023 | Innovasia 2023 National Level Hackathon conducted by Department of CSE in collaboration with CSI, NSE Talent Sprint at VCE | 2nd Prize work 7500/- Certificate of Merit |
| 2 | III | 1602-22-737-132 | A Akshith | 4th Dec 2023 | CodeZee Coding Contest conducted by Department of IT | 1st Prize Rs. 5000/- 2nd Prize Rs. 3000/- 3rd Prize Rs. 2000/- 3rd Prize Rs. 2000/- |
| | | 1602-22-737-131 | G Ajay | | | |
| | | 1602-22-737-053 | Reddymalla Tejash | | | |
| | | 1602-22-737-026 | Naga Sai Yashwanth | | | |
| | | 1602-22-737-008 | Badri Narayana | | | |
| | | 1602-22-737-033 | Raja Sheshu | | | |
| | | 1602-22-737-015 | Narla Harika | | | |
| | | 1602-22-737-049 | Sri Tulasi Rayapudi | | | |
| 3 | V | 1602-21-737-180 | Srinithi Reddy | 24th -25th Nov 2023 | National level VJ Hackathon – Victory & Joy in Smart Innovation organized by Dept. of CSE, VNR VJIET in collaboration with CSI SBC, Turing Hut, Gamma Club, Google Developer & Technical Sponsors unPlatforms | Consolation Prize Certificate of Merit |

# *NPTEL WINNERS- FACULTIES/ STUDENTS*

| S. No. | Staff ID / Student Roll No. | Name | Final Score / Certificate Type | Topper | Incentive Amount (Rs.) |
|---|---|---|---|---|---|
| **STAFF** | | | | | |
| 1 | 2148 | Dr. N. Anil Kumar | 82 Elite+Silver | Topper of 5% | 4100.00 |

**STUDENTS**

| | | | | | |
|---|---|---|---|---|---|
| 1 | 1602-21-737-171 | MACHA. SANATH | 87 Elite+Silver | Topper of 5% | 3000.00 |
| 2 | 1602-21-737-186 | G. VIMALESH GUPTHA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 3 | 1602-22-737-008 | BADRI NARAYANA K | 92 Elite+Gold | Topper of 2% | 4000.00 |
| 4 | 1602-22-737-015 | HARIKA NARLA | 91 Elite+Gold | Topper of 2% | 4000.00 |
| 5 | 1602-22-737-030 | NITHIN BOINAPALLI | 95 Elite+Gold | Topper of 1% | 4000.00 |
| 6 | 1602-22-737-033 | RAJA SHESHU CHIPPA | 88 Elite+Silver | Topper of 5% | 3000.00 |
| 7 | 1602-22-737-035 | REVANTH KUMAR ADDANKI | 88 Elite+Silver | Topper of 5% | 3000.00 |
| 8 | 1602-22-737-040 | SAATWIK REDDY PALLA | 91 Elite+Gold | Topper of 2% | 4000.00 |
| 9 | 1602-22-737-070 | BALAKRISHNA PENDYALA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 10 | 1602-22-737-077 | HARINI DHYAPA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 11 | 1602-22-737-097 | NAUSHEEN HAQUE | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 12 | 1602-22-737-126 | VARSHA TOGARI | 91 Elite+Gold | Topper of 2% | 4000.00 |
| 13 | 1602-22-737-131 | AJAY GURUGUBELLI | 92 Elite+Gold | Topper of 2% | 4000.00 |
| 14 | 1602-22-737-140 | DINESH GUNDA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 15 | 1602-22-737-141 | GOUTHAM KUMAR REDDY A | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 16 | 1602-22-737-145 | KRISHNA UPPIRI | 91 Elite+Gold | Topper of 2% | 4000.00 |
| 17 | 1602-22-737-146 | VURVIK kORUKONDA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 18 | 1602-22-737-159 | PRITHAM REDDY VUPPALA | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 19 | 1602-22-737-166 | RANJITH KUMAR RAMIDI | 91 Elite+Gold | Topper of 2% | 4000.00 |
| 20 | 1602-22-737-168 | SAI KOUSHIK KATTAMURI | 93 Elite+Gold | Topper of 2% | 4000.00 |
| 21 | 1602-22-737-153 | NAGARAJU MADARAPU | 90 Elite+Gold | Topper of 5% | 4000.00 |
| 22 | | | 83 Elite+Silver | Topper of 5% | 3000.00 |

# *WORKSHOPS/GUEST LECTURES/SEMINARS/ EVENTS ORGANIZED FOR STUDENT*

| Sl. No | Date of the Event | Details of workshop/ Guest Lectures/Seminars / FDP/Conference | Resource Person | Target Audience |
|---|---|---|---|---|
| 1 | 24.12.2023 | Coding Contest conducted as part of Technosphere club on | Online through Unstop platform | A total of 421 registrations was made to the contest. 137 from IT and 284 are from outside the campus. Many students from various IIT's and NIT's have attended this contest. |
| 2 | 21.12.2023 | Guest Lecture on "Women's Health & Hygiene" As part of Internal Complaint Committee (ICC) | Dr N V Madhuri, Head, Center for Gender Studies, NIRD&PR | B.E III-V Semester Girl students |
| 3 | 04.12.2023 | CodeZee Coding Contest under CSI (Department Level Event) | VII-Sem<br>1. Hima [1602-20-737-136]<br>2. Hrishitha[1602-20-737-137]<br>3. Ajay [1602-20-737-122]<br>V-Sem<br>1. Atul [1602-21-737-074]<br>2. Bhanu [1602-21-737-121]<br>3. Manoj [1602-21-737-094] | BE III-Sem IT-A, B&C Section Students |
| 4 | 17.11.2023<br>18.11.2023<br>25.11.2023 | Hands-on session on Hadoop MapReduce | Mr.Amar Sharma, Adjunct Faculty & Founder & CEO, M/s. Woir Software India Pvt. Ltd. | B.E VII IT-A, IT-B & IT-C section students |

| | | | | |
|---|---|---|---|---|
| 5 | 17.11.2023 | Career Guidance Session on "Women in STEM" conducted for the girl students in collaboration with M/s. Education in USA in PIM Seminar Hall | Mrs. Deepthi Ravula, CEO, WE-Hub | VII-Semester of all branches of B.E. |
| 6 | 11.10.2023 10:00 AM to 1:00 PM | Workshop Mapcode for Advanced Learners: A methodology for algorithmic problem solving and algorithm execution | Dr. Venkatesh Choppella Associate Professor in the Software Engineering Centre at IIIT Hyderabad, & Team | B.E V-Sem IT-A, B & C Section Students |
| 7 | 05.10.2023 | Road map on Mini Projects under CCA Activity | Mr.Amar Sharma, Adjunct Faculty | III-Sem students |
| 8 | 05.10.2023 | Career Guidance Session | Mr. Sharat Chandra, Trainer | V-Sem IT ABC Sectoons |
| 9 | 29.09.2023 | Road map on Mini Projects under CCA Activity. | Mr.Amar Sharma, Adjunct Faculty, Founder & CEO, Woir | for III-Sem students |

# *WORKSHOPS/SEMINARS/FDP/CONFERENCES ATTENDED BY FACULTY*

| Sl. No | Faculty Name | Conference /Workshop /Seminar | Venue | Date Attended |
|---|---|---|---|---|
| 1 | Mr. K. Srinivasa Chakravarthy, Asst. Prof. | ICT Academy BRIDGE – 2023, On the theme, 'Building Human Capital, Accelerating Growth, Enabling Access' | Hotel Marigold, Hyderabad | 20th Dec 2023 |
| 2 | Mrs. Haseeba Yaseen Asst. Prof. | AICTE Training & Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence and Quantum Machine Learning (AI&QML) | School of Computer Science and Information Technology, MANUU | 20th – 25th Nov 2023 |
| 3 | 1. Dr. K. Ram Mohan Rao, Prof. & HOD<br>2. Dr. Tilottama Goswami, Prof.<br>3. Mrs.S.Aruna,Assoc.Prof.<br>4. Dr. B. Kezia Rani,Assoc.Prof.<br>5. Dr. Hitendra Sarma, Assoc.Prof.<br>6. Dr. N. Anil Kumar, Assoc.Prof.<br>7. Dr. M. Neelakantappa, Assoc.Prof.<br>8. Dr. S. K. Prashanth, Assoc.Prof. | Expert Lecture on Essential Features and Challenges in the Implementation of National Education Policy-2020 | Seminar Hall, Ground Floor of PIM Building | 29th Sep 2023 |
| 4 | Mr. K. Srinivasa Chakravarthy, Asst. Prof. | 3 day FDP on Essentials of AI (Hands-on) organized by Dept of IT in association with Soft Computing Research Society | Matrusri Engineering College (An Autonomous Instituttion) | 14th – 16th Sep 2023 |
| 5 | Mrs.G.Radha, Asst. Prof.<br>Mrs.S.Renuka, Asst. Prof.<br>Mrs.Sruthi Anand, Asst. Prof.<br>Mrs.G.Amrutha, Comp. Asst.<br>Mrs.K.Aruna, Comp. Asst. | One Week FDP Program on C Programming in Association with CCC | Vasavi College of Engineering | 7th – 12th Aug, 2023 |

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|---|---|---|---|---|
| | Mr. Venu Madhavachary, Comp. Asst.<br>Mr. Syed Janibasha, Comp. Asst. | | | |
| 6 | Mrs. Sruthi Anand, Asst. Prof. | One week Online National Workshop on Blockchain Technology and Its Applications | Department of Computer Applications National Institute of Technology Tiruchirappalli | 21st -25th Aug, 2023 |
| 7 | Mr. E. Purushothama Reddy | 10 hours Online Training Program on Campus Recruitment Training | Online | 17th – 21st July 2023 |
| 8 | Mr. E. Purushothama Reddy | 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision | Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR. | 10th -28th July 2023. |
| 9 | Dr. Tilottama Goswami, Prof. | Participated in 1 Day Symposium | SCIS, UoH For Generative AI by eminent speaker | 5th July 2023 |

# *ALUMNI ACTIVITIES*

| Sl. No | Date of Alumni Meet | Alumnus Name, Designation & organization | Purpose of Visit | Target Audience |
|---|---|---|---|---|
| 1. | 1st Dec 2023 | M. HIMA, Software Engineer-2,NCR Atleos | Using online coding platforms to build coding skills | 3rd Sem IT B and C section students |
| 2. | 16th Dec 2023 | Reflections – 2023 | Alumni Meet | - |
| 3. | 22nd Nov 2023 | Uday Kumar reddy, Software Engineer,Uber | Using online coding platforms to build coding skills | 3rd Sem B section Students |
| 4. | 3rd Nov 2023 | Mr. Anand, Software Engineer, NCR Corporation | How to prepare for Data Structures course in order to excel in placements | 3rd Sem C Section Students |
| 5. | 2nd Sep 2023 | Ms.T. Shreya Ms.K.Vaishnavi, Deliveroo | Inputs in Deliveroo Recruitment Process | 7th Semester students |

# *FACULTY ACHIEVEMENTS*

1. Dr. TilottamaGoswami, Prof. awarded a certificate in recognition for serving as a Local Arrangements Chair at the 2023 IEEE India Geoscience and Remote Sensing Symposium (InGARSS) (IEEE Conference Record 59135) held during 10-13 December, 2023 at the International Institute of Information Technology (IIIT), Bangalore.

2. Dr. TilottamaGoswami, Prof. received the certificate of appreciation for participating in the 6th Annual Conference COMPUTE 2023 organized at University of Hyderabad from 09-11 December, 2023.

3. Dr. TilottamaGoswami, Prof. received certificate of recognition presented for contributions Finalist Global Awards 2023 WomenTech Network.

4. Dr. TilottamaGoswami, Prof. received an appreciation Letter for her contribution to the Women Who Code Emerging Tech Track through enlightening talk on “Generative AI Revolution: How it’s reshaping content and beyond” on 23.11.2023.

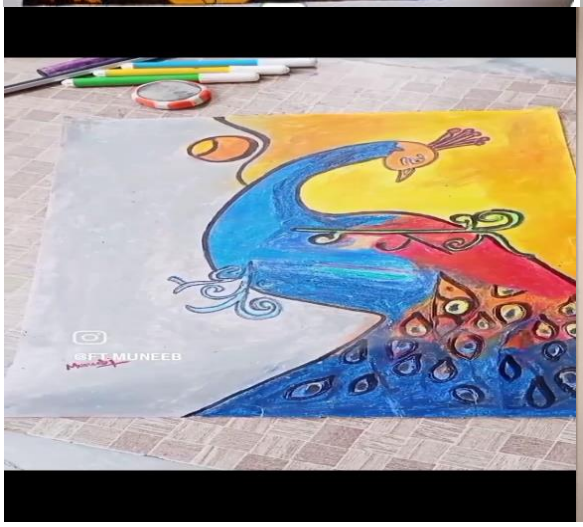
5. Dr. Tilottama Goswami, Prof., is one of the Top 15 Global Finalists “WomenTech Network Community Award 2023". from out of 2100+ participants.

8.Dr. B. Kezia Rani, Assoc. Prof. invited for Guest Speaker on the topic “Advanced Operating Systems” on 11.08.2023 to II Year CSE and II Year CSE (IOT) students at Sri Indu Institute of Engineering and Technology

9.Dr. T. Tilottama Goswami, Prof. served as Resource Person for Pre-Conference Workshop on VR and AR Real World Scenarios organized by Department of CSE, in association with Cybernauts and ISTE Student Chapter held on 20-07-2023 at CVR College of Engineering, Hyd. This is a part of 16th Multi-Disciplinary International Conference on Artificial Intelligence (MIWAI) organized by CVR College of Engg.

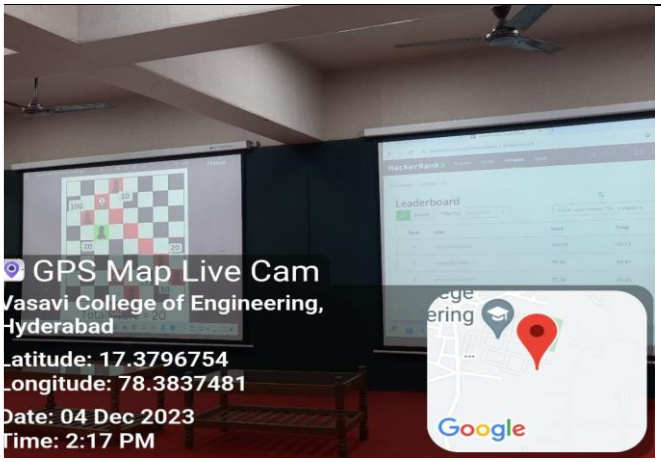
10.Dr. Tilottama Goswami, Prof. is invited to be esteemed speaker ATAHyderabad meetup and Exact duration and presentation topic "Best Practices for Testing and Validating Machine Learning Deployments" on 22nd July, Saturday, 10 to 11:00 AM. This is in-person meetups run by Agile Testing alliance, which is enabling community of testers and technologists in general to learn and interact with the best ATAHyderabad Meetup, organized by TMI Networks, Hyderabad 22nd July, Title of talk : "Best Practices for Testing and Validating Machine Learning Deployments".

# *ART GALLERY*

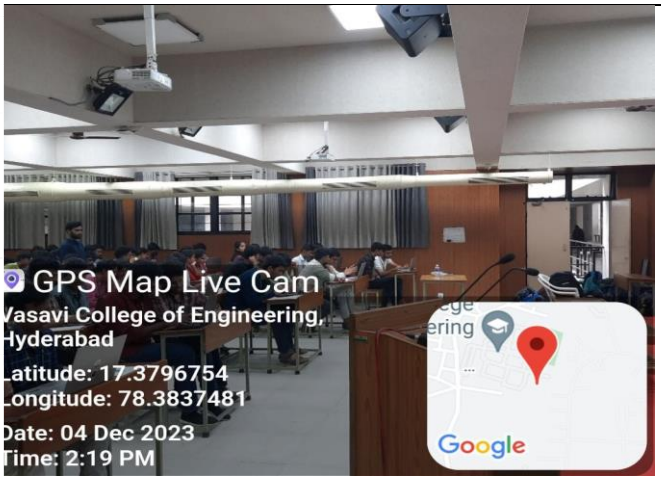

***Art By***
***Ch. Santhosh Babu, K Sai Revanth, Muneeb, Nausheen,***
***1602-23-737-042&045, 1602-22-737-093&097***

# *EVENT PHOTOS*

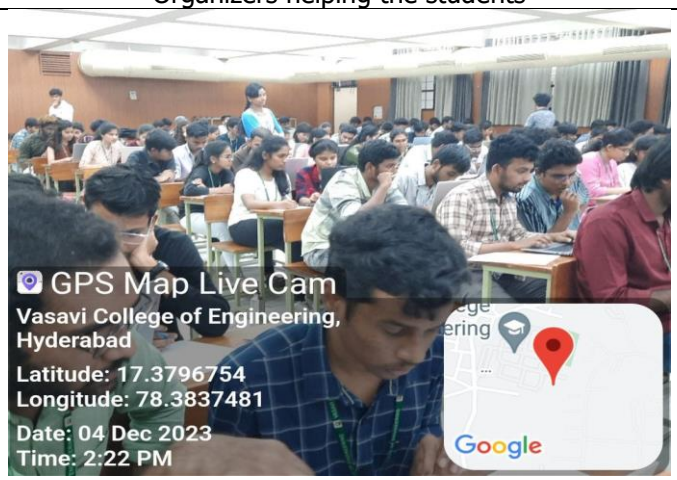



One of the Problems


Organizers helping the students




Participants




Participants


Dr. K.Ram Mohan Rao presenting the Cash Prize and certificates

VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
ACCREDITED BY NAAC WITH A++ GRADE
IBRAHIMBAGH, HYDERABAD – 500 031, TELANGANA
DEPARTMENT OF INFORMATION TECHNOLOGY

Merit Certificate

This is to certify that Mr./Ms. Gurugubelli Ajay [1602-22-737-131] studying B.E. III-Semester in the academic year 2023-24 won the First Prize in CodeZee Coding Contest held on 4th December, 2023 organized by the Department of Information Technology under CSI Professional Body Activity.

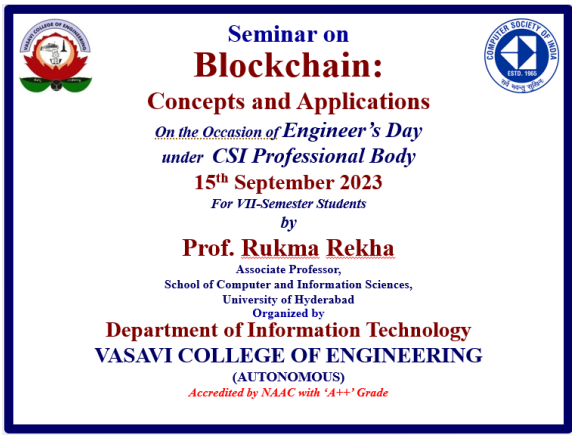
Dr. B. Kezia Rani
COORDINATOR

Dr. K. Ram Mohan Rao
HOD, IT

Prize Winners Certificate

**"Code Zee Coding Contest (Department Level Contest) "for B.E. III-Semester IT A, B & C section Students**

# *EVENT PHOTOS*




**Banner for the event.**


**Speaker giving lecture.**


**Students listening to lecture.**


**Students listening to lecture.**


**Speaker giving lecture.**


**Speaker giving lecture.**

**Seminar on "Blockchain Concepts and Application" for B.E VII Semester IT A,B & C Students**

# *ARTICLES*
# *FIRST YEAR IT-A STUDENTS*

***VARSHITH P***

***AKSHITHA A***

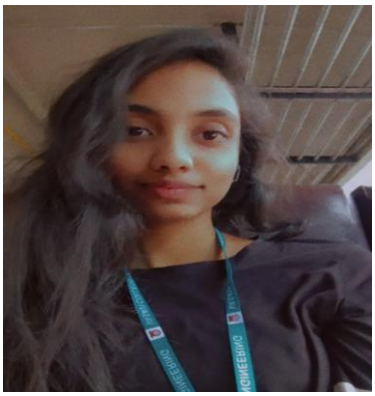
***REVANTH***

***NIKHITHA P***

***RUPALI R***

***AMRUTHA K***

***SAI GEETESH K V***



***SNIGDHA TALASILA***

***POORNIMA B***

# *ARTICLES*
# *FIRST YEAR IT-B & SECOND YEAR STUDENTS*

***REUBEN MOSES C H***

***KAVYA K***

***SHARATH CHANDRA***

# *ART*
# *SECOND & FIRST-YEAR STUDENTS*

***SAI REVANTH***

***SANTHOSH BABU***

***MUNEEB UR RAHMAAN***

***NAUSHEEN HAQUE***

# *EDITORIAL BOARD*

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