

PROPHECY

TECHNICAL MAGAZINE



DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

Academic Year - 2022-2023



MBITS

**MAR BASELIOS INSTITUTE
OF TECHNOLOGY AND SCIENCE**
ENGINEERING & POLYTECHNIC COLLEGE

NAAC ACCREDITED, KTU AFFILIATED, NELLIMATTOM P.O, KOTHAMANGALAM, ERNAKULAM, KERALA, INDIA, PIN : 686693
PHONE : 0485 - 2837801 - EMAIL ID : INFO@MBITS.AC.IN

SL NO	CONTENT	PAGE NO
1	EDITORIAL BOARD	3
2	ABOUT THE DEPARTMENT	4
3	MESSAGE FROM HOD - CSE	5
4	ACHIVEMENTS	7
5	ARTICLES	11
6	ACADEMIC YEAR 2022-2023	21
7	PLACEMENTS RECORDS	30
8	CYBORGS	33

EDITORIAL BOARD



MINTU THOMAS
Assistant Professor
Department of Computer science and
Engineering



BONIA JOSE
Assistant Professor
Department of Computer science and
Engineering

We are happy to introduce you to our department technical magazine. I take technical magazine as an opportunity to highlight the projects, seminar topics that the students undertake enhancing their knowledge. Through projects that students execute it provides opportunity and platform for the young students to showcase their talent which can even be beneficial to any or all others to boost their technical knowledge. I believe that this magazine serves the purpose.



AKSHAY BABU
2020-2024
Department of Computer
Science and Engineering



PAUL BINU
2020-2024
Department of Computer
Science and Engineering

ABOUT THE DEPARTEMENT

In tune with the Vision and Mission statements, dept. of CSE aims to disseminate quality education in the evolving fields of Computer Science & Engineering. We support students to become professional engineers and entrepreneurs to solve real world problems. Our dedicated and qualified faculty members deliver theoretical and practical sessions effectively along with proper guidance on academic projects. State of the art laboratory facilities with more than 400 computers are provided with adequate licensed software packages. Qualified and experienced technical staff members are strength of us dept. The department has recorded consistent improvements in academic results, placements and consultancy projects.

Students are trained in developing their technical, leadership, managerial and interpersonal skills by involving them in organizing various activities under CYBORGS, CSE dept. association, and Computer Society of India (CSI) student chapter.

The computer science and engineering department offer programs that integrate both computer science and engineering principles. These programs typically provide students with a broad range of skills and knowledge in both fields, allowing them to design, develop, and maintain complex computer systems and software. Students may have the opportunity to specialize in a particular area of interest such as cyber security, artificial intelligence, machine learning, robotics, or data science.

VISION

To empower the students to be competent computer professionals.

MISSION

Cartel with quality education in the concept of computer science to solve real-world problems.

Support students to become professionally and morally adept engineers.

Educate younger generation in the evolving fields of computer science and technology.



MESSAGE FROM HOD,CSE



Dear Students, Faculty, and Staff,
It brings me great pleasure to contribute to our Department Magazine as the Head of the Department of Computer Science & Engineering. As we embark on another academic year filled with promise and potential, I am filled with optimism for what lies ahead.

In today's rapidly evolving technological landscape, the field of Computer Science & Engineering plays a pivotal role in shaping the future. Our department is committed to providing a dynamic learning environment that fosters innovation, critical thinking, and collaboration. Throughout the past year, despite various challenges, our department has continued to excel in academic pursuits, research endeavors, and extracurricular activities.

As we look ahead, I encourage each and every one of you to seize the opportunities that come your way, to push the boundaries of your knowledge, and to make a positive impact in whatever you pursue. Remember, the journey of learning is a lifelong endeavor, and it is our collective responsibility to strive for excellence and make a difference in the world.

I would like to extend my heartfelt gratitude to all the students, faculty, and staff for their unwavering dedication and commitment to the department. Together, we will continue to uphold the legacy of excellence and innovation that defines our institution.

I wish you all a productive and fulfilling academic year ahead.

**Warm regards,
MIDHUN MATHEW**

ACHIVEMENTS

Congratulations Felix Johny, Alvin Kuriakose, Christo Eldhose, Nandakishore K.V, K.S. Jothis of S5 CSE and Rose Theresa of S7 CSE for securing first prize in Intra College Ideathon'23



Congratulations to Ms. Shinju Varghese S6 CSE, for winning Silver Medal in National Level and Gold Medal in State Level Shitoryu Karate Championship. Ms. Shinju Varghese of S7 CSE is representing India in international Karate Championship at Jakarta Indonesia.

Congratulations, Yridhika S R, S5 CSE on being selected for the South Zone Pre-Republic Day Parade Camp!



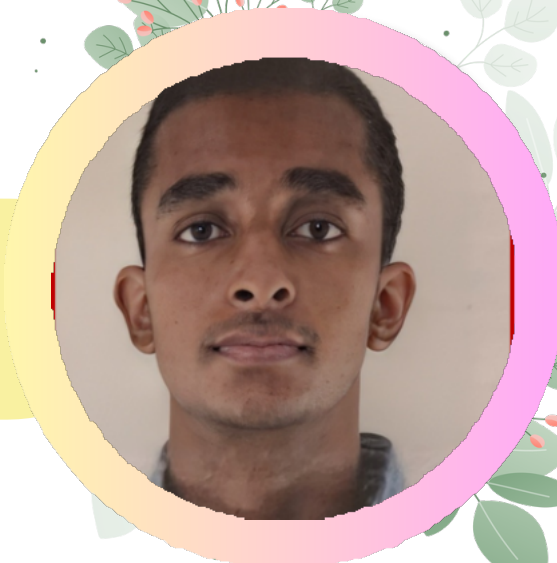
ACHIVEMENTS

Happy to inform you that Riya Joseph S6 CSE has been selected for the National integration camp at Mary Matha Arts and Science College, Mananthavady, Wayanad District – Kerala State from 4th to 10th March, 2023.



Vidyadhanam Scholarship
10 First year B. Tech Computer Science and Engineering students received Vidyadhanam Scholarship of Rs.25000/- from M/S. Geojith Foundation. Scholarships for the students were distributed by the Chief Financial Officer Mrs. Mini Nair.

Outstanding Placement 2022
We are delighted to note down our record placement offer with an annual CTC of Rs 44 (forty-four) lakhs for Mr. Kevin P. Joseph, Dept. of Computer Science and Engineering (CSE), 2019-2023 Batch in Virtusa, USA.



ACHIVEMENTS

Training program on “Advanced IT Skills Training”
In association with ICT Academy Chennai, organized a Training program on “Advanced IT Skills Training”. This program was funded by INSPRISYS Mr. K A Adikeshava Prakash handled the training program. MBITS is the only institution in Kerala to get this program.





ARTICLES

INTERNET OF THINGS [IOT]

We are entering in a beginning of a new of computing technology i.e. Internet of Things (IOT). IOT is a sort of “universal global neural network” in the cloud which connects various devices. The IOT is an intelligently connected devices and systems which be made up of smart machines interacting and communicating with other machines, environments, objects and infrastructures and the Radio Frequency Identification (RFID) and sensor network technologies will go up to meet this new challenge. As a result, a very large in size data are being generated, stored, and that data is being processed into useful actions that can “command and control” the things or devices to make our lives much easier and safer—and to reduce our influence on the environment. This paper gives an overview of Internet of Things (IOT) and brief information about IOT applications and challenges in various fields.

The phrase "Internet of Things" was invent by Kevin Ashton in 1999. He made at his place of employment, Proctor & Gamble. During his time there, Ashton came up with the idea of putting a RFID tag on each lipstick and having them communicate with a radio receiver. He put forward as fact that such data collection can be used to solve lots of problems in the real world. At the moment, a lot of connected devices can talk to internet and to our smart phones, and maybe even some similar products, but most of them can't talk to one another because of branded hardware and software with differing standards, languages and communication protocols. For most of the current smart household items, you'll need to use a different app or website to interface with the device. Unless they were especially designed by the manufacturer to work together. K. Rose in 2015 gave reasons that why IOT is possible. He said it is possible due to following reasons: Ubiquitous Connectivity, widespread adoption of IP-based networking, computing economics, advances in Data Analytics, rise of Cloud Computing so, the IOT is the conjunction of a variety of computing and connectivity trends that have been evolving for many decades.

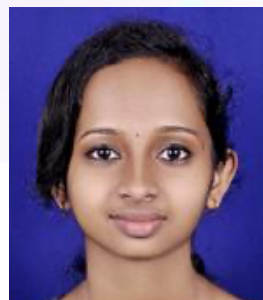
APPLICATION OF IOT IN DIFFERENT FIELDS

IOT in industry: Indoor Air Quality: Monitoring of oxygen levels and toxic gas inside chemical plants to ensure workers and goods safety. Monitor the temperature inside the industry. In food factories monitoring of ozone levels during the drying meat process. Information collection from Can Bus to send real time alarms to emergencies or provide advice to drivers.

IOT for Smart Home: IOT that turns the automated home into the smart home. With a combination of sensors, smart systems, IOT connects everyday objects to a network, enabling those objects to complete tasks and communicate with each other, with no human input. This in turn the home automation, connected devices and IOT you get a Smart Home. And a modern smart home can be easily controlled through a smart phone, tablet or computer.

IOT for Agricultural Production: Implementing IOT in agricultural field for developing the supply and growth of the crop by collecting the information from the environment sensor. The need of agricultural products could be predicted measurably, but due to the slight difference in condition of harvest and weather change, disease and insect damage etc. could not be predicted, so that the supply and need of agricultural products has not been controlled properly. To overcome it, the IOT based monitoring system to analyze crop environment and the method to improve the efficiency of decision making by analyzing harvest statistics.

IOT in Transportation: IOT less in amount traffic congestion in the city. GPS and time information from city buses is displaying a city-wide view of the public transport system, with the action of predicting something of bus arrivals, transit times and route congestion on a digital map of the city.



NAMITHA SOMAN

MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE MI/AI



Machine Learning (ML) and Artificial Intelligence (AI) techniques learn models or inference rules from data. Classification, clustering, rule-based systems, etc., are some sub categories which learn the latent knowledge of the domain using training data. In early days limitations in data availability and computing power made them to use only for simpler tasks. Recent advances in robust algorithms combined with huge data publicly available and increase in computing power created more successful applications making ML/AI techniques very popular. Presently, ML/AI techniques are being used in all fields. In this paper, we are going to present few selected papers in which ML/AI techniques are successfully applied.

Data exploratory techniques like PCA and sparse representations are discussed in Signal and Data Processing applications. Section on Human Computer Interaction system explains in detail about OCR for printed and handwritten data of Indic script, Document Image segmentation techniques and text detection in images.

APPLICATIONS TO HUMAN COMPUTER INTERACTION

Another important application to ML/AI is Human Computer Interaction systems. Here variety of applications are built like Optical Character Recognition (OCR) for printed and handwriting, documents preprocessing, etc. In following sections, we will discuss few popular applications. Printed Recognition Classical OCR problem converts text in images or scanned documents into editable text format. The complete OCR system has several steps like data preprocessing, segmentation and then recognition. OCR problem is a well-studied problem in literature.

Here, we present work done on one of the Indic scripts, Telugu. Telugu is a South Indian language with more than 100 million speakers. Authors used glyphs (connected components) as basic recognition units. They used fringe maps to represent the glyphs and performed template matching for classification. Different factors in segmentation and recognition stage that affect the system performance are discussed in detail. A complete system for printed Telugu OCR is first presented. Authors in this paper proposed novel techniques for handling broken characters and poor segmentation. For broken characters they are identifying the abnormal Connected Components (CC) by matching them with the templates in database and merging with the nearest CC. If the merged CC is normal then it is stored otherwise it is not stored. The authors also proposed segmentation based on orthographic properties of Telugu script. Binarization of images also affect the system performance.



KRISHNESH

STREAMLINING MOVIE RECOMMENDATIONS: A PYTHON-POWERED CONTENT-BASED SYSTEM

Certainly, let's delve into a more detailed and elaborative summary of the blog on the Movie Recommendation System using Python and Streamlit:

The introduction sets the stage by addressing the modern-day challenge of choosing a movie to watch, given the vast array of choices on streaming platforms. Traditional movie recommendation systems often rely on simplistic methods such as ratings and popularity, which may not effectively cater to individual tastes. In response to this challenge, the authors propose a novel Movie Recommendation System developed using Python and Streamlit. This system is designed to offer personalized movie recommendations based on users' viewing history and the inherent characteristics of movies.

Related Work:

The blog provides a comprehensive review of prior research in the field of movie recommendation systems. It discusses a wide range of techniques and algorithms employed in previous work, including collaborative filtering, content-based filtering, hybrid approaches, and various evaluation metrics.

Methodology:

Data Pre-processing: The authors detail the crucial data pre-processing steps involved in preparing the movie dataset for analysis. They emphasize the use of Python libraries such as Pandas and NumPy for data manipulation. The process involves importing and merging datasets, cleaning up by removing redundant columns, handling missing data, and effectively transforming textual data fields like genres, keywords, cast, and crew.

Vectorization: The blog provides an insightful explanation of the vectorization process, a pivotal step in feature extraction for machine learning. Various vectorization techniques are introduced, including Bag of Words, GloVe, FastText, TF-IDF, and Word2Vec. In the context of this system, the authors opt for the Bag of Words technique, which entails the conversion of textual data into numerical vectors. They highlight the use of the CountVectorizer class from the scikit-learn library to facilitate this transformation. Furthermore, they stress the importance of validating feature names after vectorization to ensure accuracy.

Similarity:

The concept of similarity measurement is elucidated, with a focus on cosine similarity as the chosen metric for assessing movie similarity. The blog clarifies that cosine similarity measures the cosine of the angle between two feature vectors, thereby quantifying their degree of similarity. The authors reference the availability of a cosine similarity calculation function in the scikit-learn library. The system ranks movies based on their increasing cosine similarity scores, allowing for the provision of personalized recommendations that align with user preferences.

System Design and Model:

The technical underpinnings of the system's implementation are comprehensively explained. The authors divulge their use of Visual Studio Code (VS Code) as the integrated development environment (IDE) for Python application development. Streamlit, an open-source Python framework, is spotlighted for its role in creating a user-friendly web interface. The blog underscores the significance of Streamlit in simplifying the development and deployment of custom web applications for data science and machine learning. The serialization and deserialization of Python objects using the pickle package are also discussed. The authors reveal that Streamlit widgets, particularly the select box, are employed to facilitate user interaction and movie selection.

Results and Discussion:

While the blog refrains from presenting specific experimental results, it outlines the anticipated functionality of the system. Users are expected to receive movie recommendations based on their preferences, and these recommendations are intended to be displayed interactively. To provide a visual context, the blog includes figures illustrating the system's operation both within a Python IDE and through a graphical user interface (GUI).

Conclusion and Future Scope:

The concluding section of the paper underscores the pivotal role of recommendation systems in various domains, with particular emphasis on e-commerce platforms, where these systems act as virtual tour guides powered by AI. The authors celebrate the utility of Streamlit in crafting user-friendly interfaces and underscore the rapid development of machine automation, AI, and data science. The blog suggests that recommender systems, such as the one introduced, will serve as cornerstones of future supply chains, facilitating connections between buyers and sellers while aiding in product demand estimation.

In summation, the blog offers a detailed and comprehensive overview of the development of a content-based Movie Recommendation System using Python and Streamlit. It meticulously elaborates on data pre-processing, vectorization, similarity measurement, system design, and the potential impact of such systems on diverse industries. While it abstains from presenting specific experimental results, it provides a robust framework for the creation and evaluation of similar recommendation systems.



BHAVYA LAKSHMI P

Deep Learning: Transforming Enterprise-Level Tasks in the Modern Age

Introduction

In the realm of artificial intelligence (AI), deep learning has emerged as a revolutionary force, reshaping the way enterprises operate and manage their tasks. This subset of machine learning, inspired by the human brain's neural networks, has made significant strides in recent years, proving its worth across various industries. In this blog post, we will delve into the profound impact of deep learning on modern-day enterprise-level tasks, exploring real-world applications, benefits, and challenges

Understanding Deep Learning

Before we dive into its effects, let's briefly clarify what deep learning is. Deep learning is a subfield of machine learning that focuses on training artificial neural networks to perform tasks. These neural networks are composed of interconnected layers of nodes, resembling the human brain's structure. Deep learning algorithms learn to automatically extract features from data, enabling them to make predictions or decisions without explicit programming.

Applications in Enterprise-Level Tasks

Analytics and Insights:

Deep learning has revolutionized data analytics by enabling enterprises to extract valuable insights from vast datasets. Algorithms like deep neural networks can analyze structured and unstructured data, providing businesses with actionable information for decision-making. This is particularly crucial in today's data-driven world, where enterprises must navigate a sea of information.

Natural Language Processing (NLP):

NLP, a subfield of deep learning, has empowered enterprises to automate and enhance communication with customers and employees. Chatbots and virtual assistants are prime examples of NLP applications. They can provide customer support, analyze customer feedback, and perform sentiment analysis to gauge public opinion.

Computer Vision:

Deep learning models have achieved remarkable success in computer vision tasks. Enterprises employ image recognition and object detection algorithms to streamline processes such as quality control, security surveillance, and inventory management. Autonomous vehicles also rely on deep learning to perceive their surroundings.

Recommendation Systems:

E-commerce and content streaming platforms leverage deep learning to provide personalized recommendations to users. By analysing user behaviour and preferences, these systems enhance user satisfaction and increase sales.

Predictive Maintenance:

Industries with complex machinery, like manufacturing and aviation, benefit from predictive maintenance powered by deep learning. These algorithms analyze sensor data to predict when equipment is likely to fail, reducing downtime and maintenance costs.

Benefits of Deep Learning in Enterprise Tasks

Accuracy: Deep learning models can achieve a level of accuracy that surpasses traditional machine learning methods. This precision is particularly advantageous in critical tasks such as fraud detection and medical diagnosis.

Automation and Efficiency: Automation is at the heart of deep learning. By automating routine tasks, enterprises can free up human resources for more strategic roles, leading to increased efficiency and cost savings.

Scalability: Deep learning models can scale with ease, accommodating growing datasets and complex tasks. This scalability ensures that enterprises can adapt to changing business needs and market dynamics.

Improved Customer Experience:

Personalization driven by deep learning enhances the customer experience. Enterprises can tailor their services and products to individual preferences, thereby fostering customer loyalty.


CONCLUSION

Deep learning has ushered in a new era for enterprise-level tasks, offering unprecedented opportunities for automation, efficiency, and innovation. Its applications in data analytics, NLP, computer vision, recommendation systems, and predictive maintenance are transforming industries across the board. However, it's important to navigate the challenges of data quality, computational resources, interpretability, and ethical concerns responsibly.

As deep learning continues to advance, enterprises must stay at the forefront of AI technologies to remain competitive and leverage the full potential of these transformative tools. The journey to harnessing the power of deep learning may be challenging, but the rewards for those who succeed are boundless in the modern age of enterprise.



SHEENA S SAIJU



**ACADEMIC YEAR
2022-2023**

Sl. No	Student Name	Event	Organizing Institute	State / National / International	Prize / Participation
1	Aleena Eldhose	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
2	Collin Francy	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
3	Daniel P John	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
4	Febin Tiju	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
5	Georgekutty Kuriakose	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
6	Jeffin Jolly	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
7	Jerry Vincent	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
8	Joel Jacob Thampi	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
9	Muhammad Rafi	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
10	Navneeth Krishna	Tathva-Full Stack Web Development	NIT, Calicut	National	Participation
11	Akshay Babu	Mintonett, Volley ball competition (Lumiere23)	College of Engineering, Kidangoor	National	Participation
12	Basil Varghese	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
13	Basil Rarichan	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation

14	Harigovind R	Mintonette, Volley ball competition (Lumiere23)	College of Engineering, Kidangoor	National	Participation
15	Jobin M.S	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
16	Paul Binu	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
17	Paul Binu	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
18	Riya Joseph	National Integration Camp of the Ministry of Youth Affairs and Sports	Mary Matha Arts & Science College, Mananthavady, Wayanadu, Kerala	National	Participation
19	Rose Theressa Thankachan	Workshop on Quadcopter (BODHI 2023)	Viswajyothi College of Engineering & Technology, Vazhakulam	National	Participation
20	Sanjana Sunil	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
21	Shamil S S	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
22	Alan Binoy	Workshop on TINY ML as part of enFOSS	MACE, Kothamangalam	National	Participation
23	Alvin Kuriakose	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation

24	Basil V Eldho	Workshop on TINY ML as part of enFOSS	MACE, Kothamangalam	National	Participation
25	Basil Sabu	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
26	Jino James	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
27	Sam Riju	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
28	Adithya Wilson	BODHI 2023-Techathlon	Viswajyothi College of Engineering & Technology, Vazhakulam	National	Participation
29	Amrutha Suresh	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
30	Jyothis M S	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
31	Jyothis M S	BODHI 2023-Techathlon	Viswajyothi College of Engineering & Technology, Vazhakulam	National	Participation
32	S Ramnath	One day workshop on Self driving electric vehicle	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation
33	S Ramnath	Workshop on basics of AutoCAD and SketchUp	Techmaghi in association with KSHITIJ, IIT Kharagpur	National	Participation

34	Rose Theresa Thankachan	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
35	K S Jothis	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
36	Christo Eldhose	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
37	Nandakishore K V	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
38	Felix Johny	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
39	Alvin Kuriakose	Intra College Ideathon 2023	Al-Azhar College of Engineering and Technology	State	First prize
40	Shinju Varghese	State Level Shitoryu Karatte Competition	Kerala State Shitoryu Karatte Association	State	First prize
41	Adwaidh Babu	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
42	Basil Varghese	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
43	B S Krishnesh	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
44	B S Krishnesh	TATHVA'22 (Analysing Marketing in the Age of Data Driven Technology)	NIT Calicut	State	Participation
45	Harigovind R	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation

46	Jolsana Jaimon	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
47	Jolsana Jaimon	Povher- Women in Leadership Forum, a precursor to IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
48	Nandana Sunilkumar	“A chat with Google & Tesla engineers“ organized by Entri app in association with TATHVA’22	NIT Calicut	State	Participation
49	Neeraja Sunny	“A chat with Google & Tesla engineers“ organized by Entri app in association with TATHVA’22	NIT Calicut	State	Participation
50	Rose Theressa Thankachan	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
51	Rose Theressa Thankachan	Professional Students’ Summit/2023	Adlux International Convention Center, Angamaly	State	Participation
52	Sandra Chandran	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
53	Stephy Abu	“A chat with Google & Tesla engineers“ organized by Entri app in association with TATHVA’22	NIT Calicut	State	Participation
54	Paul K Mathew	Huddle Global 22 organized by Kerala Startup mission	Leela Raviz, Kovalam	State	Participation
55	Abhinand M Ajayan	Huddle Global 22 organized by Kerala Startup mission	Leela Raviz, Kovalam	State	Participation

56	Arun Eldhose	Huddle Global 22 organized by Kerala Startup mission	Leela Raviz, Kovalam	State	Participation
57	Susan Paul	Huddle Global 22 organized by Kerala Startup mission	Leela Raviz, Kovalam	State	Participation
58	Amitha K S	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
59	Sheena S Saju	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
60	Alvin Kuriakose	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
61	Eldho Shaju	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
62	Felix Johny	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
63	Jose Poul Biju	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
64	Lakshmi Shibu	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
65	Lakshmi Shibu	Povher- Women in Leadership Forum, a precursor to IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation
66	Yridhika S R	IEDC Summit	Rajagiri School of Engineering and Technology, Kochi	State	Participation

67	Yridhika S R	Maria Philip Future Leader's Debate Competition	Xavier Institute of Management & Entrepreneurship, Kochi	State	Participation
68	Arlene Maria Saju	Workshop on Flutter	Viswajyothi College of Engineering and Technology, Vazhakkulam	State	Participation
69	Angel Thomas	Dhanak 2023, Annual cultural fest of Indian Institute of Space Science & Technology (Battle of Bands)	Indian Institute of Space Science & Technology, Trivandrum	State	Participation
70	Binto Aliyas	Quiz program on Robotics	Qnayds LLP	State	Participation
71	Angel Thomas	Nakshathra 23- Techno-cultural fest (Strings Unplugged)	SAINTGITS College of Engineering, Kottayam	State	Participation
72	Liya Charm Biju	Nakshathra 23- Techno-cultural fest (Strings Unplugged)	SAINTGITS College of Engineering, Kottayam	State	Participation
73	Mariya Kurian	Nakshathra 23- Techno-cultural fest (Strings Unplugged)	SAINTGITS College of Engineering, Kottayam	State	Participation
74	Liya Charm Biju	Dhanak 2023, Annual cultural fest of Indian Institute of Space Science & Technology (Battle of Bands)	Indian Institute of Space Science & Technology, Trivandrum	State	Participation
75	Mariya Kurian	Dhanak 2023, Annual cultural fest of Indian Institute of Space Science & Technology (Battle of Bands)	Indian Institute of Space Science & Technology, Trivandrum	State	Participation
76	Jibin Wilson	Workshop on Building No-Code Webapps with Code Design, Technopreneur 2023	Government Model Engineering College, Kochi	State	Participation



PLACEMENT RECORDS 2022-2023

SI NO.	EMPLOYER NAME	STUDENT NAME
1	Revature	Kevin P Joseph
2	Byju's	Abhijith M
3	Aptylabs	Anson Joy
4	Jayanth Infratech Limited	Hiran K M
5	SOTI	Tiya M Liju
6		Ahila George
7		Savio Basil Saju
8	Prudent	Jayasree P K
9		Nandana V Nair
10		Basil Eldhose
11	ERAM Power Electronics	Nandana B
12	White Rabbit Labs Pvt Limited	Georgekutty Kuriakose
13		Abin Thankachan
14	Probability Gaming	Jeffin Jolly
15		Ashwin Biju
16		Aleena Eldhose
17		Eric Joji
18	Sutherland Global Services Pvt Limited	Muhammad Raffi
19		Sidharth Sarju
20		Anishka Susan Giby
21		Umarul Farooque M S
22		Dororthy Sisro Shajan
23		Rida Mariya Rajan
24		Geevarghese S Issac
25		Febin Tiju
26		Kuruvila Jose Thachil
27	Quest Global Engineering Services Pvt Limited	Collin Francy
28		Miliya Shaji
29	TATA Consultancy Services	Midhun Mathew
30		Akhil Sabu
31	Experion Technologies	Mohammed Fardeen
32	Techmindz	Muhammed Rafi
33	Codefolks Technologies	Basil Varghese
34	NL Technologies Pvt. Ltd.	Febin Biju
35		Daniel P John
36	Hermosoftech LLP	Cinta Shaji

37	White Dove Solutions	Sara Seby
38	Abacies Logicies	Dhivina Giji
39	NL Technologies Pvt. Ltd.	Allen P Binoy
40	Jai Bharath College of Management and Engineering Technology	Arathy Surendran
41	IOE Access Communication on Pvt Limited	Arjun Saji
42	RM Education Solutions India Pvt Limited	Anna Thampi
43		Ann Mary Binu
44		Parvathy Raj V S





CYBORGS



‘CYBORGS’ the Computer Science and Engineering Association of MBITS, was started in the year 2011 by the Computer Science and Engineering department with the coordination of students as well as the faculties. Since then, the association had been coordinating workshops, seminars, webinars, and various other activities of the CSE department, for enhancing the students’ knowledge and for the betterment of the department. CYBORGS help students to develop stronger time management and organizational skills. The main purpose is to provide a platform for students to collaborate, share knowledge, and engage in activities related to computer science and engineering.

WORKSHOPS

WORKSHOP ON NETWORKING

On May 12, 2022, Ms. Reshma S., a Ph.D. scholar in the CSE Department at MBITS, Kerala, conducted a "Networking Workshop" in Computer Lab 3. The workshop, attended by 37 out of 40 candidates, focused on networking concepts and practical applications using CISCO Packet Tracer software. Participants engaged in hands-on activities to design, configure, and troubleshoot network topologies, gaining a comprehensive understanding of network protocols, devices, and configurations. This interactive session equipped attendees with essential networking skills and practical experience, enhancing their proficiency in managing and implementing network systems.

WORKSHOP ON FULL STACK WEB DEVELOPMENT

CYBORGS ,organized a three-day workshop on Full Stack Web Development in November 2022 in association with an online learning platform, Edureka. The programme kicked off with an informative seminar session, followed by an inspirational session by the resource person Mr. Suresh Kumar, Chief Operational Officer of Edureka, and a session by Mrs. Shabins Jesin Basheer, Academic Counsellor of EdUREKA. Mr. Hari Jayan led a session to educate the students on the differences in full stack web development and DevOps Engineering, and to point out the opportunities for both job profiles. The seminar session inspired students to participate in the full stack web development workshop, which was scheduled for a continuous three days. The hands-on workshop sessions began on 3rd and 4th November 2022, with four volunteer members from Edureka handling the sessions.

Forenoon sessions were aimed at helping students create a responsive front-end for a web-application, while the afternoon session was focused on teaching the students all about the back-end development and commands and code used for the same



TALK SESSION ON THE TOPIC 'CHANGES IN THE SOFTWARE INDUSTRY'

CYBORGS, organized a seminar and talk session on the topic 'Changes in the Software Industry' on 25/11/2022 in the A.P.J. Seminar Hall of MBITS. Dr. P Sojan Lal delivered the presidential address and Er. Seby Paul, Senior Engineering Manager, Here LLC, USA, shared about the history, growth, development, technologies, recent changes in technologies, and the trends in software industry. The session ended with Ahila George, student volunteer of CSE Department Association, delivering her vote of thanks to the resource person and all the staffs and students for their time and enthusiasm.



BOARD MEMBERS OF MBITS

Mr. Jomon Mathew

Mr. Eby Mathai

Mr. Babu Varghese

Mr. Preetcy Paul

Mr. Baiju Abraham

DIRECTOR BOARD MEMBERS OF MBITS



Mr. P V Paulose
Chairman



Mr. C A Kunjachan
Secretary



Mr. C K Babu
Treasurer



MAR BASIL GROUP OF INSTITUTIONS

Under the auspices of MAR THOMA CHERIA PALLY



MBHSS



MBMM Hospital



MBSN



St. Mary's School



MBDC



MBCN



MBITS

Since
1936

www.mbits.edu.in | Email : info@mbits.edu.in

B.Tech / M.Tech / PhD Admissions, Call : +91 906 106 2801, +91 906 106 3801