



CHRONICLES

VOLUME 11

CORE

JS

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To establish as a Centre of Excellence in Education and Research in the field of Computer Science & Engineering for transforming the students into Competent Professionals.



- Provide strong theoretical and practical background in Computer Science & Engineering and allied fields of Engineering.
- Provide excellent state of the art infrastructure and competent man power to facilitate the need based technical education to the students with ethical and social values.
- Encourage the students to involve in Co-curricular and extracurricular activities.
- Promote Research and Innovative activities among the staff and students.



Dear Readers,
I am extremely happy to bring out this message for our branch magazine released for the academic year 2023-24 This provides a platform for students and staff to present their technical achievements and publications. It also gives the insight of the branch activities, technical and non-technical activities and achievements.

Best wishes,
Dr.Ravinarayana B, HoD CSE

The inauguration of Core Activities 2023-24 and fresher's welcome function for II Year students to the department was held on 9th January 2024. Mr Abhilash Dominic, currently a Group Project Manager with Infosys with 18 years of IT experience was the chief guest of the event and event was graced by the presence of our beloved Principal Dr. Prashanth C M, HOD of computer science and engineering, Dr. Ravinarayana B, CORE Staff Coordinator Mr. Shivaprasad T K and the President of CORE for the academic year Mr. Keerthan Hebbar.



C.O.R.E.

The event started with a formal function by seeking the blessing of god by a prayer, followed by chief guest Mr Abhilash Dominic delivered an inaugural address and enlightened the student on technology revolution. He wished office barriers and students a successful year. The CORE chronicles the annual newsletter was unveiled during the ceremony by the chief guest. Toppers of the academic year 2022-23 were awarded. Dr. Ravinarayana B, HOD Dept of CS&E welcomed the 2nd year students to the dept and conveyed best wishes. Following this Dr. Prashanth C M delivered presidential address. Event concluded by giving vote of thanks to all on dais and off the dias.



“Responsible AI” on 9th January 2024

Mr. Abhilash Dominic , Group Project Manager at Infosys with 18 years of IT experience. His expertise is on managing large and complex transformational IT programs. During his career in Infosys, he has managed large vendor transitions, digital transformations and Build-Operate-Transfer programs. His loves to read biographies and lead Mr. Abhilash Dominic , Group Project Manager at Infosys with 18 years of IT experience. His expertise is on managing large and complex transformational IT programs. During his career in Infosys, he has managed large vendor transitions, digital transformations and Build-Operate-Transfer programs. His loves to read biographies and leads an active life. He was the Race Director for Niveus Mangalore Marathon 2022 and 2023.



The session introduced Responsible AI concepts and discussed key principles and practices associated with responsible AI. He briefed about Responsible AI. responsible AI refers to the ethical and thoughtful development, deployment, and use of artificial intelligence (AI) systems. The goal is to ensure that AI technologies benefit individuals, society, and the environment while minimizing any potential negative impacts. He discussed some of key principles and practices associated with responsible AI: Fairness, Transparency, Accountability, Privacy, Security, Collaboration, Inclusivity, Human-Centric Design and Ethical Considerations.

He further mentioned, Responsible AI practices are crucial to building trust in AI technologies and ensuring their positive impact on society. Various organizations, researchers, and industry initiatives are actively working to develop guidelines and frameworks to promote responsible AI development and use. He further mentioned, Responsible AI practices are crucial to building trust in AI technologies and ensuring their positive impact on society. Various organizations, researchers, and industry initiatives are actively working to develop guidelines and frameworks to promote responsible AI development and use.

“Artificial intelligence is extending what we can do with our abilities. In this way, it's letting us become more human.”
- Yann LeCun



“Git” on 13th January 2024

Mr. Vishnu Mohandas, System Engineer, TCS. Worked for 2 years in PACEWISDOM SOLUTIONS as Python backend developer. Currently working for TCS as System Engineer. Total having 3 years of experience in creating scalable backend APIs with Flask and Django.

He started by introducing an Git a distributed version control system that enables multiple developers to collaborate on a project

Developed by Linus Torvalds in 2005, Git has become the de facto standard for source code management in the software .It provides a robust and flexible platform for tracking changes in code, coordinating work among team members, and maintaining a complete history of a project.Key concepts in Git include repositories, branches,commits, and merges. Repositories are the containers for projects, containing all the files and their respective versions. Branches allow developers to work on different features or bug fixes independently and later merge their changes. Commits represent individual changes made to the codebase, and merges combine different branches into a unified codebase.

One of Git’s significant advantages is its decentralized nature. Each developer has their own local copy of the entire repository, enabling them to work independently without a constant need for a network connection. This distributed model also enhances collaboration, as developers can work on their tasks and synchronize changes with others seamlessly. Introduction to Version Control: The need for version control in software development.



“Monolithic vs Microservice vs Serverless” on 13th January 2024

Mr. Sreenath, Systems Analyst at Speridian Technologies, Kochi. Experienced Dotnet professional with a background as Backend developer at Drawout Technologies. Transitioned to a role as a Dotnet Angular Full Stack Developer at MariApps Marine Solutions. Currently, thriving as a Systems Analyst at Speridian Technologies, where his expertise in Dotnet and Angular

He started by introducing the Backbone of Software Development: In the story of software development, the architectural choices we make serve as the backbone of our projects. Influence on Development: The architectural decisions made during the early stages of development have a profound impact on the entire project lifecycle. They shape the development process, influence scalability, and determine how easily a system can adapt to evolving requirements.

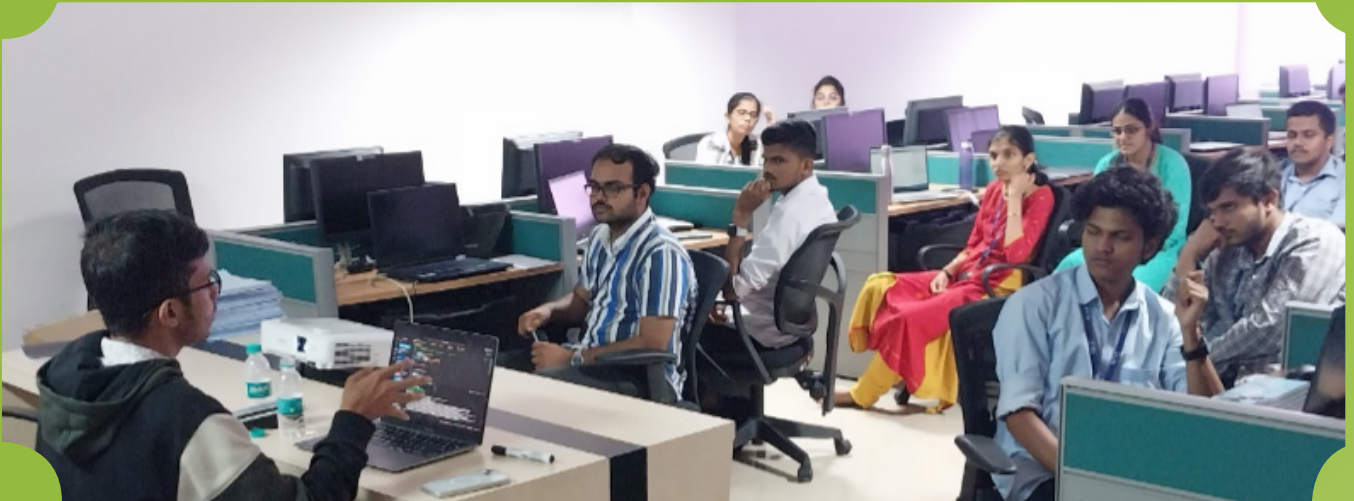


“Fundamentals of API” on 13th January 2024

Mr. Chidananda Gouda S, Senior software Engg, Blue Younder, Bangalore. A seasoned IT professional with a good educational background and over 5 years of experience.

He introduced participants to fundamentals API, how API works, how to request an API, how an API answers, lets create the API. covered essential topics including a fundamentals API, how API works, how to request an API, how an API answers, how to create the API. API, or Application Programming Interface, is a set of rules and protocols that allows different software applications to communicate with each other. APIs consist of endpoints, which are specific URLs or URIs (Uniform Resource Identifiers) representing the locations where API requests can be made. APIs use HTTP methods like GET, POST, PUT, and DELETE to define the type of operation being requested. For example, GET for retrieving data, POST for creating data, PUT for updating data, and DELETE for removing data. API communication involves requests and responses.

How APIs Work: Client-Server Communication: APIs facilitate communication between a client and a server. The client is the application or system making requests, and the server is the application or system responding to those requests. **Request and Response:** The communication process involves requests and responses. A client initiates a request to the server, specifying the desired operation (GET, POST, PUT, DELETE) and providing any necessary parameters. **Endpoint Identification:** Requests are directed to specific endpoints, which are URLs or URIs representing different functionalities or resources provided by the API. **HTTP Methods:** HTTP methods such as GET, POST, PUT, and DELETE are used to perform different actions. GET is used for retrieving data, POST for creating data, PUT for updating data, and DELETE for removing data. **Authentication:** APIs often require authentication to ensure that only authorized users systems can access the data or perform certain operations. This can involve API keys, tokens, or other authentication mechanisms. **Processing the Request:** The server processes the incoming request, performing the specified operation. It may involve querying a database, manipulating data, or performing other tasks depending on it.



“Node.js and Express” on 22.2.2024

Mr. Panduranga Nayak, Product Engg, Servify, Bangalore. With around two years of industry experience and a solid educational background, is a committed IT specialist. Panduranga works as a Product Engineer- Backend at Servify. He assisted in the creation of significant projects including Vivo Web, Realme Web, and Samsung Care Plus. The presenter covered essential topics introduction to Node.js, Setting up Node.js environment, Understanding Express.js,

Creating a basic Express application, Routing in Express, Middleware in Express, Handling requests and responses, Integrating databases with Express, Error handling and debugging, Deployment strategies. Fundamentals of Node.js: Participants acquired a thorough understanding of Node.js and its event-driven, non-blocking I/O mechanism, which makes it possible to handle several requests at once effectively. Basics of Express.js: The session went over the fundamentals of Express.js, including how it functions as a simple and adaptable web application framework for Node.js.

Routing and Middleware: Participants gained knowledge on how to process requests, carry out different operations including logging, authentication, and error handling, and design routes using middleware. Database Integration: To help participants create full-stack web applications, the session explored how to integrate databases like MySQL with Express applications. Error Handling and Debugging: Strategies for effective error handling and debugging were discussed, ensuring participants could identify and resolve issues in their applications. Instructors demonstrated common error scenarios and debugging techniques using tools like console.log and debugger statements.

Deployment: Various deployment strategies, including deploying to platforms like Heroku or AWS, were explored to enable participants to make their applications accessible to users. The “Node.js and Express” hands-on session provided a comprehensive introduction to these essential technologies for web development. Participants left with a solid foundation to build upon and the confidence to create their own web applications using Node.js and Express.

Coding Contest

“DevelopHer” code heist exclusively for female students was held on 4th February, 2024. Organized by the C.O.R.E. student association, this collaborative effort was directed towards the ‘DevelopHer’ Coding Competition, a unique coding event tailored exclusively for female participants, hosted within the confines of our Department.

Embarking on an educational journey, our cohort of second-year students, including Sujal MH, Yashas Shetty, Sujnan Kumar, Suhan D Shet, and Vijeth Vijaya Shetty, coalesced under the mentorship of Mr. Ashwin Kumar M, Senior Assistant Professor, Department of Computer Science and Engineering, to engage in a distinctive coding endeavor.

A notable turnout of 89 participants formed 40+ teams, illustrating a substantial interest in the coding competition. The event welcomed both individual participants and teams of two members, fostering a vibrant atmosphere of coding excellence.

Participants immersed themselves in a coding challenge featuring 7 questions of varying difficulty levels—easy, medium, and hard. Each question incorporated multiple test cases, with easy-level cases carrying 10 points, medium-level cases earning 15 points, and hard-level cases accruing 20 points each. To facilitate a comprehensive testing process, participants were afforded the opportunity to compile and test their code using sample test cases before the final submission for evaluation. Coding flexibility prevailed, allowing participants to choose their preferred coding language for added comfort.

Results and Recognition:

First Place: Code_Novelties - Gahana Kumari, Cleon Viol Dsouza;

Second Place: AD-lib - Ananya A, Diya S John;

Third Place: Cobra Tech - Bhagyalakshmee, Asha U Nayak;

Fourth Place: BitMaster - Sahana Rao, Diya Acharya;



The exceptional coding prowess of the winning teams deserves commendation. Each team demonstrated ingenuity and determination, making their mark in the ‘DevelopHer Coding Competition.’ In recognition of their outstanding achievements, the following cash prizes were awarded. The ‘DevelopHer Coding Competition’ unfurled as a resounding success, illuminating the prowess and potential within our coding community.





“Mobile App development using React Native” on 07.3.2024.

The one-day workshop aimed to introduce participants to mobile app development using React Native, a popular framework for building cross-platform mobile applications. Participants gained hands-on experience in creating mobile apps with React Native, understanding its key concepts, and exploring its features for efficient app development.

Mr. Nishanth, Software Engineer, Accelerlab Solutions Private Limited, Moodbidri was the resource person. He has over 3 years of work experience as Backend developer, Angular Full Stack Developer and expertise in Mobile app development using react native.

The workshop commenced with an overview of React Native, emphasizing its advantages in mobile app development, such as code reusability and performance. Participants were guided through the setup process of a development environment, including installing necessary software and tools. Hands-on sessions enabled participants to build a basic mobile app from scratch, implementing various React Native components and styling techniques. Advanced topics like navigation, data handling, and API integration were covered, providing participants with a comprehensive understanding of React Native’s capabilities.

Throughout the workshop, emphasis was placed on best practices, testing methodologies, and debugging techniques to ensure app quality and performance. Interactive discussions and Q&A sessions facilitated a deeper understanding of concepts and addressed participants’ queries effectively.

The one-day workshop on mobile app development using React Native provided participants with a solid foundation in building cross-platform mobile applications.



Winner's of Inter-Branch Variety Competition 2023-24



1. Ananya , Aparna P , Divija , Eeksha Jain, Ravinarayana B , “Oral Squamous Cell Carcinoma Detection Using Deep Learning On Histopathological Images”, IJARCCCE, , ISSN (O) 2278-1021, ISSN (P) 2319-5940, March 2024
2. Ansar Ul Haq, Anush Shetty, Ankush Shenoy, Deepansh, Ravinarayana B, “Semantic Conversational Content Moderation”, IJSREM, DOI: 10.55041/IJSREM30161, April 2024.
3. Narendra UP, M Prabhakar, Pradeep B S, H M Ramalingam,“ Externalization of Tacit Knowledge using Context Maps” , Proceedings of SPIE - The International Society of Optical Engineering, June 2024.
4. Hegde Sumanth Shyam, Pushpa Mangal Gond, Rathan S R, Ruchitha R, Dr. Pradeep B S, “Detection of Ischemic Stroke using Deep learning approach Technique”, Gradiva Review Journal, ISSN NO : 0363-8057, 2024
5. Shreyas S Tantri, Shreyas shetty B, Sourabh P, Vinayak Nayak N, Dr Pradeep B S, “A Deep learning approach to detect Rheumatoid arthritis using medical images and blood samples”, IJIRAE, DOI:10.37897.GRJ.2023.V10I4.24.513757, 2024.
6. Ajay Shetty, Chirag V, Darshan U , Disha P, Dr Babu Rao K,“Drug consumption detection using machine learning”, IJARCCCE, 2319-5940, March 2024
7. Gowri N, Jani Kalianpur, Shravya, Thanmayee N Shetty, Dr Babu Rao K,“ Detection of Polycystic ovary syndrome using deep learning,” IJARCCCE, 2395-7852, March 2024.
8. Harsh Shetty, Mandira Hegde, Nesara G S, Anusha, Dr. Dinesha L, “Regeneration of Scratched Images using Deep Learning”, IJARCCCE, 2319-5940, April 2024.
9. Deeksha Prabhu, Deepika, Vaibhav R Jadhav, Mohammad Shihabul Faiez, Dr. Dinesha L, “Breast Tumor Segmentation and Classification Using Ultrasound Images”, IJARCCCE, 2319-5940, April 2024.
10. Akshira, Arghyashree, Ashvitha Shetty, Gajesh Naik, Annappa Swamy D.R, “Motion Tutor: Animated Motion Using Deep Learning”, IJARCCCE, 2319-5940, April 2024
11. Ananya B Hegde, Gautham Jain, Karthik A, Kartik Mehta, Annappa Swamy D.R, “Image-Based Object Classification and Distance Measurement for the visually Impaired”, 2319-5940, April 2024.
12. Shreekumar T, Sonia Peal K P, Sreeja Rajesh, “Nadi pariksha an Ayurvedic technique to diagnose the diseases using IoT and Machine Learning”, Advances in Information Technology (IEEE conference proceeding), 979-8-3503-8386-7, May 2024

13. Aanchal Nagaraj Shetty, Ahnika Ramachandra, Arjun, Ankitha Bhat K, Dr. T Shreekumar, "Edu Eval-Advancing Academic Evaluation", Advances in Information Technology (IEEE conference proceeding), 979-8-3503-8386-7, May 2024.

14. Swasthik, Trilochan Pradhan, Sauda Shabbir Shaikh, Ruchitha N Shetty, Dr. T Shreekumar, "Agriconnect: Revolutionizing Farm Machinery Booking", Advances in Information Technology (IEEE conference proceeding), 979-8-3503-8386-7, May 2024

15. Arpitha G Rao, Sahana, V Vignesh, Vaishnavi V, Mr. Ashwin Kumar M, "Epileptic Seizure Recognition using Machine Learning", IJARCCCE, 2278-1021, May 2024.

16. Ajit Poddar, Amogha Kumar Shetty, Ankith M Rao, Danish M Rehman, Ashwin Kumar M, "Healthcare Virtual Assistant", IJARCCCE, 2278-1021, May 2024

17. Akash Ashok Nayak, A Ashitha, Akshatha, Alan Raji Mani, Dr. Ravinarayana B, Mr. Shreejith K B, "Detection Of Glaucoma Eye Disease Using Retinal Fundus Images", IJARCCCE, 2278-1021, May 2024.

18. Hency Jostan Dsouza, K Sthuthi Nayak, Krishii Kirti Karkera, Melan Varghese, Mr. Shreejith KB, "Ingredient Detection and Recipe Recommendation Using Deep Learning", IJARCCCE, 2278-1021, May 2024

19. Aishwarya Tamse, Annapoorna Pai, Arundhathi Nayak, Mithali Prashanth Rao, Shreejith KB, "A Deep Learning Approach To Detect Skin Cancer Using Dermoscopic Images", IJARCCCE, 2278-1021, May 2024

20. Pranav Joshi, Rakesh Kumar, Raksha S Shetty, Raksha M Suvarna, Sunitha N V, "Deep learning based white blood cancer detection in bone marrow using histopathological images", IJARCCCE, 2278-1021, May 2024

21. Birajdar Siddanna Gurabala, Saloni, Shreya Shetty, Varshitha G V, Sunitha N V, "Insect pest image recognition and maturity stages classification using Few-shot machine learning approach", IJARCCCE, 2278-1021, May 2024

22. Amod Kumar, Dhanush, Elvin D'sa, Shivaraj, Sunitha N V, "Male fertility detection using Detectron2 and CSR-DCF", IJARCCCE, 2278-1021, May 2024.

23. Sumathi Pawar, Suma K, "Emotion Detection Using ADABOOST and CNN", IJNRD, IEEE Explore, <https://doi.org/10.1109/ICDDS59137.2023.10434694>.

24. Sumathi Pawar, Suma K, Geetha Laxmi, "Application Programming Interface with a Case Study of SOA", IEEE Explore, DOI:10.1109/ICIICS59993.2023.10421593

25. Ashlesh Shenoy ,Shawn Castelino, Shetty Sushank Mohandas, Vaibhav Nayak, Ms.Suma K, "Realtime conversation system for people with hearing and speech impairment", IJARCCCE, May 2024
26. Anusha Nayak, Dhruthi B S, , Santhrapthi R, Shravan V Suvarna, Mrs. Suma K, " Human Face and Action Recognition Through CCTV Surveillance", IJARCCCE, May 2024
27. Guruprasad, Gururaj, Jeevan J, Mahalaxmi,,Suma K, "A Survey on Dentes Condition Detection System Using Machine Learning", IJARCCCE, May 2024
28. Advith, Dhriti Rao, Deeksh bekal Gangadharb , Muhammed Afnan Haneef, Deon Ashley Mendonica, Dr. Rejeesh Rayarith, "Affordable Dip Coating Machine: A cost effective solution for Thin film Deposition IJARESM, 2455-6211, May 2024.
29. Anusha, Anusha Sadashiva Lokeshwar , Arpita Sanyal , Deekshitha , Dr.Rejeesh Rayaroth, " Detection Of Pathological Myopia Using Deep Learning", IJARCCCE, 2278-1021, May 2024
30. Shikha Ballal , Sourabha Jain , Sweedle Soares , Gururaj , Dr. Rejeesh Rayaroth, "Detection and Risk assessment of Parkinson's disease : A Machine Learning Approach", IJARCCCE, 2278-1021, May 2024
- 31 K Ankith, Manoj, Mohammed Nihal, Mohinuddin Razi, Shwetha C H "Venomous snake Detection: A CNN-Based classification of Indian Snake Species", IJARCCCE, May 2024.
32. Divyata,Harshitha,Likhitha, Pavana,Mrs. Amrutha, "Recognition and Classification of Paddy Leaf Disease using CNN", IJARCCCE, 2278-1021, May 2024.
33. Harshitha,Prabhanjan Hippargi,Shobith R Acharya,Shreya S Poojary, Mrs. Amrutha, "Automatic Music Transcription To Music Notes Using Artificial Intelligence" IJARCCCE, 2278-1021, May 2024.
34. Shivaraj Shetty,Ranjith Shetty,Rao Suraj Nagesh,Shiva Patankar , "Effective Milk Grading and Billing Solution for Dairy Industry", IJARCCCE, 2278-1021, May 2024.
35. Mrs. Amrutha, Shivaraj Shetty, "Optimized Milk Quality Assessment and Billing System for the Dairy Industry",Gradiva Review Journal, DOI:10.37897.GRJ.2023.V10I7.24.513988
36. Akash, Abhishek Ashokan Nambiar, Harith Harish, Shamir L C, Shivaraj BG, " Lip Reading Using Machine Learning and Neural Networks", IJSERM, 2582-3930, May 2024.
37. Anusha RM, Neha CS, Poornima, Skashi PB, Shivaraj BG," Lumpy Skin Disease Detection", IJARCCCE, 2278-1021, May 2024.

38. Siddu Ravindra P, Smruthi P K, Sabanna, Shashidhar Bhat KS , Shivaraj BG," Diseased Betel Nut Detection using Image Processing", IJARCCCE , 2278-1021,May 2024.
39. C G Kruthika, N N Namitha Devi,K Asha, T M Aruna, Vijayananda V Madlur, "Hybrid Optimization Based BERT Model for Drug Detection in NLP", IEEE Explore, <https://doi.org/10.1109/MysuruCon59703.2023.10396892>
40. Raksha Nayak, Sankalp S Naik, Sannidhi B M, Tejaswini Peeru Gouda, Mr. Vijayananda V Madlur, "A Deep Learning Approach to Detect Cancer in Cirrhotic Liver", IJARCCCE, 2278-1021, May 2024.
41. Adheesh Jain, Ashish K J, D Sinchan , Elroy Monis,Vijayananda V Madlur , "SecQRMark: Fake Product Detection using Blockchain", IJSREM, 2582-3930, May 2024.
42. Kumar Madar , Sweedal Flora Dmello, Yashwanth S, Anusha,Mr. Vijayananda V Madlur, " Using ML Models and IOT to Secure Smart Vehicles from Relay Attacks", IJARCCCE, 2278-1021,May 2024.
43. Divya, Dr.Suresha , Dr. Sanjeev Kulkarni, Navya Rai, Jyothi Prasad, "Survey And Anlysis On Automated Speech Reading Techniques On Various Languages Using Deep Learning", Migration Letters, vol 21,no 53, 2024
44. Sagar Srivastava, Saransh Ramaiya , Shelvin J Bandi , Vinod Sharma , Ms. Jyoti V Prasad, " Adaptive Semi-Active Suspension System", IJARCCCE, 2278-1021,May 2024.
- 45 Ananya Harish Shetty, Manisha , Nishmitha S Shetty, Pavithra,Jyothi Prasad , " Chronic Kidney Disease Prediction using Machine Learning", IJARCCCE, 2278-1021,May 2024
- 46.Krishnaraj S , Prashanth D , Prasiddhi Nayak, Sathwik Rao K, Jyothi V Prasad, " Wellwise: Advanced Nutrition Monitoring System", IJARCCCE, 2278-1021,May 2024

"Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important. " ~Bill Gates.

"The biggest impediment to growth is in our minds and not in the world outside, and only constant in the world is change." ~ N. R. Narayana Murthy

1. Mr. Dinesh Bhagawat, completed 12 week FDP on Programming in Java, organized by NPTEL-AICTE.
2. Dr. Pradeep B S, attended five day FDP on Recent Trends in AI & ML for Smart Computing from 09-10-2023 to 13-10-2023, organized by Institute of Engineering & Management, Kolkata.
3. Mr. Annappa Swamy DR, attended one week FDP Django Development Bootcamp from 15-07-2024 to 20-07-2024, organized by Pragati Engineering College, Surampalem.
4. Mr. Annappa Swamy DR, attended one week FDP on Data Visualization using Tableau from 01-04-2024 to 05-04-2024, organized by Mohan Babu University, Tirupati.
5. Dr. Dinesha L, attended one week FDP on Django Development Bootcamp from 15-07-2024 to 20-07-2024, organized by Pragati Engineering College, Surampalem.
6. Ms. Sunitha N V, attended one week FDP on Computer Graphics and Image Processing from 22-07-2024 to 27-07-2024, organized by SJB Institute of Technology, Bengaluru.
7. Ms. Sunitha N V, attended three day FDP on MongoDB-A Project based Hands-on Training from 16-04-2024 to 18-04-2024, organized by Sai Vidya Institute of Technology, Bengaluru.
8. Ms. Sunitha N V, attended one week FDP on Full Stack Development with Django from 08-04-2024 to 12-04-2024, organized by JNN College of Engineering, Shivamogga.
9. Mr. Shivaraj B G, attended one week FDP on Django Development Bootcamp from 15-07-2024 to 20-07-2024, organized by Pragati Engineering College, Surampalem.
10. Mr. Shivaraj B G, attended two day FDP on LaTeX: A Tool for Technical Writing, Presentation and Scientific Research with Hands-on Training from 11-03-2024 to 12-03-2024, organized by MIT Bengaluru.
11. Mr. Shivaraj B G, attended five-day FDP on Cloud Infrastructure from 21-08-2023 to 25-08-2023 at AIT Chikkamagaluru.
12. Mr. Shivaraj B G, attended one week FDP on Introduction to Python Programming & its Applications from 19-07-2023 to 23-07-2023 at AICTE-VTU, Muddenahalli, Chikkaballapur.
13. Ms. Amrutha, attended one week FDP on Django Development Bootcamp from 15-07-2024 to 20-07-2024, organized by Pragati Engineering College, Surampalem.
14. Ms. Amrutha, attended one week FDP on Data Visualization using Tableau from 01-04-2024 to 05-04-2024, organized by Mohan Babu University, Tirupati.

15. Ms. Amrutha, attended two day FDP on LaTeX: A Tool for Technical Writing, Presentation and Scientific Research with Hands-on Training from 11-03-2024 to 12-03-2024, organized by MIT Bengaluru.

16. Ms. Amrutha, attended three day FDP on MATLAB Mastery: Crafting Innovative Workflows for Physical Modeling and Analysis from 05-02-2024 to 07-02-2024, organized by IQAC, MITE.

17. Ms. Amrutha, attended five-day FDP on Cloud Infrastructure from 21-08-2023 to 25-08-2023 at AIT Chikkamagaluru.

18. Ms. Amrutha, attended 40 hours FDP on Natural Language Processing and LLMs from 28-02-2024 to 09-03-2024, organized by NIT Warangal & ADC College of Engineering & Technology, Maharashtra.

19. Ms. Shwetha Kamath, attended one week FDP on Django Development Bootcamp from 15-07-2024 to 20-07-2024, organized by Pragati Engineering College, Surampalem.

20. Ms. Shwetha Kamath, attended one week FDP on Data Visualization using Tableau from 01-04-2024 to 05-04-2024, organized by Mohan Babu University, Tirupati.

21. Ms. Shwetha Kamath, attended two day FDP on LaTeX: A Tool for Technical Writing, Presentation and Scientific Research with Hands-on Training from 11-03-2024 to 12-03-2024, organized by MIT Bengaluru.

22. Ms. Shwetha Kamath, attended three day FDP on MATLAB Mastery: Crafting Innovative Workflows for Physical Modeling and Analysis from 05-02-2024 to 07-02-2024, organized by IQAC, MITE.

23. Ms. Shwetha Kamath, attended five day FDP on NLP and Chat GPT Applications from 14-08-2024 to 19-08-2024, organized by SECAB Institute of Engineering & Technology, Vijaypur.

24. Ms. Sowmya S, attended three day FDP on MATLAB Mastery: Crafting Innovative Workflows for Physical Modeling and Analysis from 05-02-2024 to 07-02-2024, organized by IQAC, MITE.

25. Ms. Jyothi V Prasad, attended five-day FDP on Cloud Infrastructure from 21-08-2023 to 25-08-2023 at AIT Chikkamagaluru.

26. Ms. Jyothi V Prasad, attended one week FDP on Introduction to Python Programming & its Applications from 19-07-2023 to 23-07-2023 at AICTE-VTU, Muddenahalli, Chikkaballapur.

27. Mr. Ashwin Kumar M, attended one week FDP on Full Stack Development with Django from 08-04-2024 to 12-04-2024, organized by JNN College of Engineering, Shivamogga.

Best Project of the year in State level Seminar of KSCST-SPP-2024

Department of Computer Science & Engineering *Heartily Congratulations*



Congratulation to the students and Guide for winning Best project of the year award in the KSCST 47th Series SPP for the Project titled “A Deep Learning Approach To Detect Rheumatoid Arthritis Using X-Ray Images And Bio-Markers”. Project was carried out by Mr. Sourabh P, Mr. Shreyas Tantri, Mr. Shreyas Shetty B, Mr. Vinayak Nayak N and it was guided by Dr. Pradeep B. S.



Final year Computer Science Students(2023-24)



Following projects from CSE Department have been Sponsorship by KSCST 47 th Series of Student Project Programme:2023-24.

- The project titled "A Deep Learning Approach to Detect Cancer in Cirrhotic Liver" was undertaken by Ms. Raksha Nayak, Mr. Sankalp Santosh Naik, Ms. Sannidhi B. M., and Ms. Tejaswini Peeru Gouda, under the guidance of Mr. Vijayananda V. Madlur.
- The project titled " Breast Tumor Segmentation And Classification Using Ultrasound Images” was undertaken by Mr. Vaibhav R. Jadhav, Ms. Deepika, Mr. Mohammad Shihabul Faiez., and Ms. Deeksha Prabhu, under the guidance of Dr. Dinesha L.
- The project titled " Deep Learning Based White Blood Cancer Detection In Bone Marrow Using Histopathological Images” was undertaken by Mr. Pranav Joshi, Mr. Rakesh Kumar, Ms. Raksha Shettyand Ms. Raksha M. Suvarna, under the guidance of Ms. Sunitha N. V.
- The project titled " Detection Of Ischemic Stroke Using Deep Learning Techniques” was undertaken by Mr. Hegde Sumanth Shyam, Ms. Pushpa Mangal Gond, Mr. Rathan S. R. and Ms. Ruchitha R., under the guidance of Dr. PRADEEP B. S.
- The project titled “Effective Milk Grading and Billing Solution For Dairy Industry” was undertaken by Mr. Shivaraj Shetty, Mr. Ranjith Shetty, Mr. Rao Suraj Nagesh and Mr. Shiva Janardhan Patankar., under the guidance of Mrs. Amrutha.
- The project titled " A Deep Learning Approach to Detect Rheumatoid Arthritis Using X-Ray Images And Bio-Markers” was undertaken by Mr. Sourabh P, Mr. Shreyas S Tantri, Mr. Shreyas Shetty B and Mr.Vinayak Nayak N, under the guidance of Dr. PRADEEP B. S.

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