



PROVIDENCE
COLLEGE OF ENGINEERING
&
SCHOOL OF BUSINESS

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SYNTAX

NEWS LETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HIGHLIGHTS

- Consultancy- Delivered automated token generation machine for OP counters in Taluk Hospital, Thiruvalla.
- Technical quiz contest organized by Computer Society of India and PROCESS.
- Workshops and training programs offered to trainee engineers.
- Farewell 2019-23 batch.
- Staff and student achievements.
- Placements of 2019-23 batch.

UNLEASHING THE POWER OF GOOGLE BARD

In an era where information is abundant and access to knowledge is paramount, Google continues to lead the way in shaping the digital landscape. With its latest offering, Google Bard, the tech giant once again demonstrates its commitment to revolutionizing the way we interact with information and explore the vast realm of human knowledge.

The innovative AI-powered search tool Google Bard represents a huge advancement in search engine development. Bard is created to comprehend user inquiries more thoroughly and provide highly relevant and accurate search results by utilizing the capabilities of artificial intelligence and natural language processing.

What sets Google Bard apart is its ability to interpret context and semantics, enabling it to grasp the nuances of language and deliver answers that truly match the user's intent. Gone are the days of sifting through pages of search results to find the information we seek; Bard promises to streamline the search process, making it faster, more efficient, and ultimately more user-friendly.

Beyond just being an excellent search engine, Google Bard has enormous potential to completely transform other facets of our everyday life. Bard is ready to play a key role in our networked society because to its voice-activated search features and smart device interoperability. This advanced AI technology has a wide range of uses, from advancing research and education to improving customer service and revolutionizing whole sectors.

However, with great advancements in technology come great responsibilities. As we embrace the potential of Google Bard, we must remain mindful of the ethical implications of AI adoption. Safeguarding user privacy, ensuring transparency in algorithms, and avoiding biases in search results are critical aspects that demand continuous attention.

Google's commitment to user privacy and ethical AI practices is well-known, and we expect no less from Google Bard. Transparency in its operations and a commitment to refining the technology responsibly are crucial for building and maintaining public trust in this revolutionary tool.

PROVIDENCE COLLEGE OF ENGINEERING SUCCESSFULLY DELIVERS PROTOK TO TALUK HOSPITAL, THIRUVALLA

Taluk Hospital, Thiruvalla has consulted the Department of Computer Science and Engineering of Providence College of Engineering for developing an automated token generation machine for OP counters in the hospital. Team of students developed PROTOK and deployed it in the

hospital premises on 23rd November 2022. It was provided to hospital free of cost. Team consisting of Dr. Bibin Vincent, Dr. Pramod Mathew Jacob and Ms. Renisha P Salim guided the students Abu Mohammed, Adwaid H Nair, Astin Biju and Jesly Mary Varghese for the development of token dispenser through this, the trainee engineers has proved their commitment towards the society with the aid of technology.



DR. PRAMOD MATHEW JACOB APPOINTED AS HEAD OF DEPARTMENT CSE (Cyber Security & IOT Including Block Chain Technology)



Dr. Pramod Mathew Jacob has been appointed as the Head of Department Cyber Security & IOT Including Block Chain Technology, with effect from 1st July 2023. As Head of Department - Cyber Security & IOT Including Block Chain Technology, Dr. Pramod Mathew Jacob aimed to elevate the department to new heights, collaboration, and academic excellence. His vision for the future of internet of things and cyber security including block chain technology education promised to equip students with the knowledge and skills required to tackle the ever-evolving challenges of the digital world. Congratulations to Dr. Pramod Mathew Jacob on this well-deserved appointment.

QUIZTOPHER – TECHNICAL QUIZ CONTEST



The department of Computer Science and Engineering in association with Computer Society of India (CSI) conducted a technical quiz competition "Quiztopher". The competition saw enthusiastic participation from B. Tech and MBA students, showcasing their knowledge in various areas of engineering and technology. The event started with the quiz prelims on 11th April 2023, where a total of 120 teams, each consisting of two students, competed fiercely. After rigorous rounds of quizzing, only 11 teams made it to the second round which was held on 24th April 2023. Finally, after an intense competition, five teams emerged as the finalists.

The grand finale of the technical quiz competition was conducted on 9th June 2023 at 2:30 PM in the seminar hall of Einstein block. After 4 quiz rounds two groups celebrated the ultimate glory by achieving first and second position and they got rewarded by the principal. The first prize winners were Thomas K Varghese and Shan John from S2 CSE (CSOT) and the second prize winners were Jonathan Jose Thomas and Srehaary S B from S4 CSE.

ICT TRAINING WORKSHOP ON "ANGULAR"



An effort to equip students with the latest advancements in the world of technology, the Computer Science and Engineering (CSE) Department organized an ICT training workshop on "Angular." The workshop was held from 27th February to 3rd March 2023, with enthusiastic participation from S4, S6, and S8 CSE students.

The five-day workshop, hosted at the Kalam Block, focused on imparting comprehensive knowledge and practical skills related to Angular - a popular and widely used platform for web application development. The hands-on approach allowed the participants to gain a deeper understanding of the concepts, as they engaged in practical exercises and real-world applications. The participants received e-certificates after successfully completing their assigned projects.

DEMISTIFYING ARTIFICIAL INTELLIGENCE



The Department of Computer Science and Engineering (Artificial Intelligence) recently organized an insightful workshop on Demystifying Artificial Intelligence (AI). The workshop was conducted on 30th March 2023 for S2 AI students.

Dr. Shailesh Shivan, Assistant Professor Department of Computer Science at Cochin University of Science and Technology, was the resource person. The workshop spanned an entire day and was packed with invaluable insights and practical knowledge.

WORKSHOP ON ETHICAL HACKING



The Computer Science and Engineering (CSE) Department took a significant step towards enhancing the cybersecurity skills of its students by organizing a one-day workshop on Ethical Hacking. The workshop was scheduled on 30th March 2023 and it was conducted for the students of S2 CSE (CSOT). Mr. Rohit Krishnan M, Senior Business Analyst from Accubits Technologies was the resource person. He shared a significant knowledge and hands-on experience regarding the topic of ethical hacking.

WORKSHOP ON INTRODUCTION TO BLOCKCHAIN AND WEB3 DEVELOPMENT



The Department of Computer Science and Engineering in association with PROCESS organized a workshop on Introduction to Blockchain Technology and Web3 development at Providence College of Engineering with the aim of introducing students to Blockchain Technology and Web3 development. A total of 120 students from S2 CSE, CSE (CSOT) and CSE (AI) attended the workshop.

Mr. Boldrin Antony, a Genesis member of Web3 Kerala gave a talk on Introduction to Blockchain. Mr. Alim Roshan, Co-Founder of Nefto discusses about the topic "Deep dive into Web3 development" various topics like history of Blockchain, features of Blockchain, use cases of Blockchain, working on Blockchain, solidity, remix.ide etc were also discussed.

TECH TALK ON INTELLECTUAL PROPERTY RIGHTS FOR S4 AND S6 CSE



The Department of Computer Science and Engineering in association with Providence R&D department & KAPILA conducted an awareness program on Intellectual Property Rights for the S4 and S6 CSE students and faculty members of various departments. KAPILA is a scheme that provides financial assistance to the institutions that are part of Higher Education Institutions for filing patents. Ms. Lavanya Madduri, who is working as an Examiner- Patents & Designs in Indian Patent Office, Chennai was the guest speaker. She delivered a talk on patents, copyrights, trademarks and its importance with real world examples.

ADIEU SENIORS 2019-23 BATCH



In a heartfelt gesture, the junior batch (2020-2024) students of the Computer Science and Engineering (CSE) Department organized a grand farewell event, titled "Adieu Seniors," for the beloved senior batch (2019-2023). The event took place on 19th June 2023 at the Seminar Hall, and served as an opportunity for the juniors to express their gratitude and bid a fond farewell to their departing seniors.

The junior batch put together a delightful program consisting of speeches, performances, and interactive activities to cherish the memories and experiences shared together. Head of the Department, Dr. Bibin Vincent addressed the gathering, commending the seniors for their remarkable achievements and exemplary conduct during their time at the department. Faculty advisors Ms. Nisha Aniyam and Ms. Jeni Moni also delivered heartfelt speeches, expressing their fondness for the seniors.

CSE BATCH TOPPER 2019-2023



ASTIN BIJU

BEST OUTGOING STUDENT 2019-2023



JESTIN SABU

ACHIEVEMENTS AND AWARDS 2023

STAFF ACHIEVEMENTS

- Dr. Bibin Vincent successfully completed a course on "Accreditation and Outcome based education" in NPTEL with a score of 75% (ELITE)
- Dr. Pramod Mathew Jacob successfully completed a course on "Software Testing" in NPTEL with a score of 68% (ELITE).
- Dr. Pramod Mathew Jacob recognized as NPTEL DISCIPLINE STAR for completing 5 courses in the same discipline with a minimum 55% marks and 50 hours learning.
- Ms. Renisha P Salim successfully completed a course on "Introduction to programming in C" in NPTEL with a score of 93% (ELITE) and emerged as one of the top performers in the exam, ranking in the top 1%.
- Ms. Nisha Aniyann successfully completed a course on "Cloud Computing" in NPTEL with a score of 83% (ELITE) and emerged as one of the top performers in the exam, ranking in the top 2%.
- Ms. Jeni Moni Successfully completed a course on "Software Testing" in NPTEL with a score of 64% (ELITE).
- Ms. Anuja Radhakrishnan successfully completed a course on "Introduction to Artificial Intelligence" in NPTEL.
- Dr. Santhosh Simon, Dr. Pramod Mathew Jacob and Ms. Renisha P Salim got patent on designing a "Wrist band for school children security".
- Dr. Pramod Mathew Jacob was selected as the reviewer in the Journal of Agriculture and Food Research in Elsevier.
- Dr. Pramod Mathew Jacob was appointed as one of the judges in the CSI – InApp International Student Project Awards 2023.
- Dr. Bibin Vincent was selected as reviewer in International Journal of Engineering and Advanced Technology.
- Dr. Bibin Vincent was selected as reviewer in International Conference on Intelligent Techniques in Computer & Engineering Science (IT CES-2023)

STUDENT ACHIEVEMENTS

- Archana Lakshmi of S4 CSE is shortlisted for the Coding Final round of TechGig code Gladiators 2023.
- Mr. Jestin Sabu, Ms. Cerlin Mathew, Mr. Sachin S Nair, Mr. Sharon Biju George got selected for 12th CSIInApp International Students Projects Awards 2023 on "Live College Bus Tracking and route mapping using Internet of Things".
- Mr. Anand Sudeep, Mr. Alen Koshy, Ms. Sneha Ann Samuel, Mr. Joyal George Jacob exhibited the project "Digital Sling Shot" at Chengannur Fest from 14/04/2023-22/04/2023.
- Mr. Jonathan Jose Thomas of S3 CSE selected as winner of the event "FigLab" conducted by "IEEE council on RFID Kerala Section".
- Mr. Joyal George Jacob of S3 CSE selected as an Event Manager of PIE, IEEE Kerala Section.

PAPER PUBLICATIONS

- Dr. Pramod Mathew Jacob, Ms. Jeni Moni, Sneha Sunil, Anu Johnson, Jeslin Mariam Mathews, Akshaya M presented a paper entitled "An intelligence system for cultivation and classification of mushrooms using machine vision" in three days 2nd International conference on Computational Intelligence and Sustainable Engineering Solutions technically Co-sponsored by IEEE-CIS on 28th April to 30th April 2023.
- Ms. SurjiMol R and Ms. Jeni Moni, Mr. Ajin B, Mr. Akhil Suresh, Mr. Arun Jacob, Mr. Jeswin V Joy presented the paper entitled "An Android Application Based Digital Notice Board" at 2nd International conference on Computational Systems and Communications organized by LBS Institute of Technology for Women, Trivandrum.
- Dr. Bibin Vincent, Ms. Cerlin Mathew, Mr. Jestin Sabu, Mr. Sharon Biju George and Mr. Sachin S Nair presented the paper entitled "Live College Bus Tracking And Route Mapping Using Internet Of Things" at 2nd International conference on Computational Systems and Communications organized by LBS Institute of Technology for Women, Trivandrum.
- Ms. Nisha Aniyann, Dr. Pramod Mathew Jacob, Ms. Gopika Ghosh, Mr. Pranav P, Ms. Reshmy Raj and Ms. Amitha Suresh presented the paper entitled "An Android App Scanner for Detecting the Freshness and Age of Poultry Eggs using Image Processing" at 2nd International conference on Innovative Data Communication Technologies and Application organized by Graphic Era Hill University, Dehradun.

TOP PLACEMENT 2019-2023 BATCH



Abin Jace Varughese



Amitha Suresh



Anu Johnson



Ashlin Mathai Saji



Astin Biju



Aswin Anish



Athira Sabu



Cerlin Mathew



Christina Raichu George



Dayana Mariyam John



Jayasurya J



Jemima Thankam Mathews



Jesly Mary Varghese



Jestin Sabu



Jibo V Mathew



Reshmi Raj



Roshni Raju



Shine Santhosh



Sona Jacob



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