



TECH PULSE

VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

ISSUE :5 VOLUME :3



OUR VIDYA OUR PRIDE

Vision

Progress through quality education and become a centre of excellence in computing knowledge

Mission

To seek, to strive for advancements in technological and social aspects so as to create socially responsible engineers in the field of computer science, who will embark to further reduce gap between science and man-kind.

Program Outcomes (POs)

PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science & Engineering specialization to the solution of complex engineering problems.

PO-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.

PO-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.

PO-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.

PO-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.

PO-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.

PO-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.

PO-8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO-9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary surroundings.

PO-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.

PO-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.

PO-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.

Program Specific Outcomes (PSOs)

PSO-1: The ability to apply the knowledge of computational structures and algorithms for solving complex engineering problems in multidisciplinary areas.

PSO-2: The ability to design, develop and evaluate computer based systems using advanced tools and technologies to meet the real world challenges.

Program Educational Objectives (PEOs)

PEO-1: Graduates shall practice Computer Science and Engineering in IT industry, public sector undertaking, as an entrepreneur or as a researcher pursuing a successful professional career.

PEO-2: Graduates shall demonstrate creativity, develop innovative ideas and work in teams to accomplish a common goal.

PEO-3: Graduates shall demonstrate project management skills, lifelong learning and social awareness upholding ethical values.

FROM THE HEAD'S DESK: ISSUE HIGHLIGHTS

Message From HOD



It is a matter of pride to share the latest edition of our department newsletter, highlighting the vibrant

academic and professional activities carried out during this period. Our department continuously endeavors to create a learner-centric environment that promotes innovation, critical thinking, and lifelong learning. By integrating emerging technologies, industry exposure, and research driven practices into the curriculum, we prepare our students to meet global challenges with confidence.

I sincerely congratulate our students and faculty for their achievements and thank all stakeholders for their continued support. Let us move forward together with commitment and enthusiasm toward excellence

About Department

The department established in the year 2003 with the commencement of a B.Tech programme in CSE with an Intake of 240 students and the programme is affiliated to the APJ Abdul Kalam University, Trivandrum, Kerala. We strive to provide the holistic and inclusive ambience to embellish their knowledge and skills to achieve their long term goals.

ACADEMIC ACTIVITIES

ALUMNI INTERACTION

By bridging the gap between academia and industry, Mr. Hemath Janesh, a 2016-2020 batch CSE alumnus and Junior Manager at Paytm, led a comprehensive session titled 'Crack the Code' for upcoming first-year students, where he shared expert insights on essential tools like GitHub, Python, the MEAN stack, and ChatGPT to equip them with the necessary strategies for navigating a successful career in the global technology landscape.

WORKSHOPS CONDUCTED

"The CSE Department successfully organized a two-day workshop on December 1–2, 2023, featuring Senior Red Hat Trainer Mr. Jayakrishnan V, who provided students with intensive hands-on training in integrating, deploying, and optimizing AI models within the OpenShift environment."



"On November 29, 2023, the CSE Department organized an insightful awareness session for student representatives of the 2022-2026 B.Tech batch, focusing on the diverse opportunities for higher education abroad. Led by Mr. Ajaykumar C, Director of Hary & Harish Education Consultants, the interactive session at the Advanced Computer Lab provided students with comprehensive data on foreign degree benefits, part-time work options to offset living expenses, and projected salary scales in global job markets, ultimately inspiring them to strategically plan their international career paths."



FACULTY DEVELOPMENTS AND ACHIEVEMENTS

FDP ATTENDED

Ms Shameem S (Asst Prof, CSE Dept) completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai during 20-30 November 2023.

Dr Ramani Bai V (Prof & HoD, CSE Dept) actively participated in the Faculty Development Program on “AI/ML/DL Approaches for Real Time Applications” organized by School of Computer Science Engineering during 09-11 November 2023 at Vellore Institute of Technology, Chennai.

Ms Neethu P R (Asst Prof, CSE Dept), Ms Ramya Raj K P (Asst Prof, CSE Dept), Ms Athullya Bhasker K R (Asst Prof, CSE Dept) and Ms Ramya K R (Asst Prof, CSE Dept) participated in the Five Day Online Faculty Development Program on “Blockchain and Security in Computing” held from August 14 – 19, 2023 organized by Department of Computer Science and Engineering, Sree Narayana Gurukulam College of Engineering.

Ms Remya P S (Asst Prof, CSE Dept), Ms Jency Babu (Asst Prof, CSE Dept), Ms Thulasi Rajan K (Asst Prof, CSE Dept), Ms Mithu Varghese (Asst Prof, CSE Dept) participated in the five day online Faculty Development Program on “Block chain and Security in Computing” held from August 14 to August 19, 2023 organized by Department of Computer Science and Engineering, Sree Narayana Gurukulam College of Engineering.

Ms Neethu C S (Asst Prof, CSE Dept), Ms Anitha L (Asst Prof, CSE Dept), Ms. Reshma V M (Asst Prof, CSE Dept) participated in the Five Day Online Faculty Development Program on “Blockchain and Security in Computing” held from August 14 – 19, 2023 organized by Department of Computer Science and Engineering, Sree Narayana Gurukulam College of Engineering

ACHIEVEMENTS

Vidya faculty members guarantee that they meet their academic potential, and grow exposure by undergoing different levels of online courses in the interdisciplinary field like Data science
Ms Mithu Varghese (Asst Prof, CSE Dept) and Ms Athullya Bhaskar (Asst Prof, CSE Dept) completed the online course on “What is Data Science?” hosted by Coursera.

STUDENT ACHIEVEMENTS

TOPPERS

S8 9.0+SGPA



Rajaram Reghurarum



Vyshnav M



Arya A J



Pranav Sudhir



Abel John Reji



Pooja M



**Megha
Muraleedharan E**



Sriya Baburaj



Swetha T P



Ciya Rose Joshy



**Gayathri
Satheeshkumar**



Nandakishor T

INTERNSHIPS



Suryajit Sudheeran



Vrindha K



Sreechandhana K H



**Neeraja
Krishnakumar**

PLACEMENTS



Athulkirshna TS



Mareena Jolly



Akhil K Madanan



Anurag Chandra



Sarang C Santhosh



Ragitha G



Siva V Balan



Febin Rajan



Evelina Rose Joju



Fidha P Haris



Sreenath MS



Malavika Madhu



**Neeraja
Krishnakumar**



Neha Bajju



Anurag Chandra



Ignatius Nobel
Chittilappilly



Elvin Jimmy P



Neeraja
Krishnakumar



Neha Bajju



Suryajit I S



Sarang C Santhosh



Soloman V



Athul Menon P



Lijin Johnson



Appu K



Kochouseph John



Sudhama
Swaminathan R



Neeraja
Krishnakumar



Sujishna VP



Antony
Sunny



Ignatius N C



Neha Bajju



Hanna Jose



Febin
Rajan



Ragitha G



Anurag
Chandra



Sreyas Unni



Suryajit I S



Fidha P
Haris



Antony Sunny



Rohit C



Gokul P



Adnan Rias



Salwa Basheer



Sivakami
Prasanth



Athulia T Rajesh



Deepak V P

NPTEL

It is with much pleasure, the Dept of CSE is sharing the news that, Vasisht Nirmal K V (S3, CSE Dept) cleared and has attained top 5% with a consolidated score of 76% in NPTEL certification on “Design and Analysis of Algorithms” offered by IIT Madras.

It is with much pleasure, the Dept of CSE is sharing the news that, Ragitha G (S7 CSE Dept) and Neeraja Krishnakumar (S7 CSE Dept) cleared the NPTEL certification on “Reinforcement Learning” offered by IIT Madras.

CLUBS AND PROFESSIONAL SOCIETY ACTIVITIES

On September 11, 2023, the GDSC VAST Google Cloud Study Jam info session was expertly facilitated by Shreya Dilip (S5, CSE Dept), who provided 60 student participants with a comprehensive introduction to cloud computing services and a roadmap for the upcoming study program.



ASSOCIATION DAY

The Department of Computer Science and Engineering (CSE) hosted its Association Inauguration and Fresher's Day on 05 October 2023 at the Pranavam Auditorium, marked by a ceremonial lamp lighting and a formal pledge by the new executive committee. Presided over by Principal Dr. Saji C. B., the event included a warm welcome from HoD Dr. Ramani Bai and a captivating Ranga Pooja performance by students, celebrating both the department's past achievements and its future goals.



TECHNICAL AND CULTURAL ACTIVITIES

ONAM

The Department of Computer Science and Engineering (CSE) celebrated Onam 2023 with great splendor on 26 August, organizing a vibrant event titled "Olam" as part of the college-wide festivities. Students dressed in traditional attire participated in various cultural activities, including the creation of an intricately designed Pookalam and a spirited Kaikottikali dance performance. The celebration, which featured a grand Onasadya and traditional drum beats, highlighted the department's unity and rich cultural heritage.



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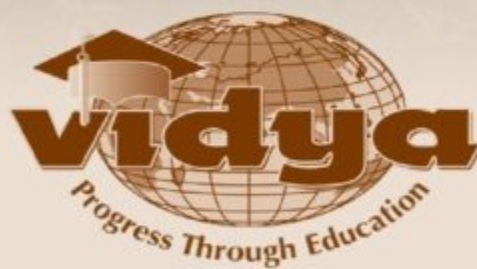


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