



Adi Shankara INSTITUTE OF ENGINEERING AND TECHNOLOGY





SAKSHIN

MONTHLY NEWSLETTER OF DEPARTMENTS OF CSE | CSE(AI) | CSE(DS) | MCA

VISION

Nurturing globally competent Computer Science and Engineering graduates capable of taking challenges in the Industry and Research& Development activities

MISSION

Imparting quality education to meet the needs of industry, and to achieve excellence in teaching and learning

Inculcating valuebased, socially committed professionalism for development of society

Providing support to promote quality research

ABOUT ASIET

Adi Shankara Institute of Engineering & Technology (ASIET) was established in Kalady with the goal of providing technical education that instills in students both professional excellence and strong ethical values. The institute is run by the Adi Shankara Trust, a well-respected educational organization that has been active for over 50 years.

Founded in 2001 and maintained by the Sringeri Mutt with the benign blessings of His Holiness Sri Sri Bharathi Tirtha Mahaswamiji, the college is dedicated to promoting the overall growth and development of its students.

ASIET is situated in a beautiful and inspiring location, reminiscent of the peaceful presence of Jagadguru Adi Shankaracharya. The college is affiliated with the A P J Abdul Kalam Technological University in Kerala, and is approved by the AICTE. It offers undergraduate, graduate, and PhD level courses, with four of its programs being NBA accredited (CSE, ECE, EEE & MECH) demonstrating its commitment to high-quality education.





DEVELOPMENT DIALOGUE ON VIKASIT BHARAT





6th December 2023: On December 6th 2023, Dr. Saji Gopinath, Vice Chancellor of Kerala Technological University (KTU), visited the Technical Business Incubator (TBs I) of Adi Shankara Institute of Engineering and Technology (ASIET). The TBI is a state-of-the-art facility that provides a nurturing environment for startups to grow and flourish. It is supported by the Kerala State Industrial Development Corporation (KSIDC), the Kerala Startup Mission (KSUM), and the Ministry of Micro, Small and Medium Enterprises (MSME).

Dr. Saji Gopinath was impressed by the TBI's infrastructure and the quality of startups incubated there. The TBI has incubated 10 alumni startups, including ICube Design Studio, PenserLabs, RIOD Logic, Edith Industries, Green Bay, Machbee, Charity Monk, Hexify Technologies, Zonst, and AEGON. Alygon and Edith Industries are women-led startups, which reflects the TBI's commitment to women empowerment through entrepreneurship initiatives.

The TBI focuses on automation of traditional systems by technology upgradation, rural technology, robotics and industrial IoT, green technology, and AI and ML in healthcare. The TBI also provides seed funding support up to 5 Lakhs to all potential startups for their initial product development.

Dr. Gopinath's visit to the TBI of Adi Shankara Institute of Engineering and Technology highlights the importance of promoting entrepreneurship and innovation in India. The TBI is a prime example of how institutions can support and nurture startups to create a

better future for all.





IEDC OFFICIAL WEBSITE LAUNCH



In a momentous occasion marked by the presence of esteemed guests and brimming with entrepreneurial spirit, ASIET unveiled its official IEDC website at the ASIET Main Seminar Hall. The event, held on December 6th, 2023, resonated with the unwavering commitment of ASIET to nurture a vibrant ecosystem for budding innovators and aspiring entrepreneurs.

The launch ceremony was graced by the esteemed presence of Dr. Saji Gopinath, Vice Chancellor of Kerala Technological University (KTU), and Principal Sreepriya Miss, alongside other respected dignitaries. Their presence underscored the significance of this initiative in fostering a culture of innovation and entrepreneurship within the educational landscape.

The IEDC website marks a pivotal milestone in the institute's journey towards empowering ambitious minds. Serving as a dedicated platform, it provides aspiring entrepreneurs with a wealth of resources, guidance, and support. From insightful blogs and workshops to mentorship opportunities and funding access, the website equips these individuals with the tools to turn their dreams into tangible realities.



IEDC OFFICIAL WEBSITE LAUNCH



Furthermore, the platform transcends individual ventures by creating a vibrant hub for collaboration and knowledge exchange. This online community connects budding entrepreneurs with like-minded peers, industry experts, and potential investors, fostering a dynamic network that fuels innovation and ignites the spirit of enterprise.

Beyond access to resources and connectivity, the IEDC website also serves as a powerful showcase of the institute's commitment to entrepreneurship. It proudly displays the achievements of existing IEDC ventures, inspiring future generations and demonstrating the transformative potential of this initiative.

The launch of the IEDC website resonates far beyond the confines of ASIET. It stands as a testament to the institute's unwavering commitment to nurturing entrepreneurial spirit and unlocking the boundless potential of its students. This platform serves as a beacon of innovation, not just within the institute but for the wider community, paving the way for a future brimming with entrepreneurial success stories.

In conclusion, the launch of the IEDC website is a significant step forward in ASIET's journey towards becoming a premier hub for innovation and entrepreneurship. This dynamic platform not only empowers aspiring entrepreneurs with the tools they need to succeed but also fosters a collaborative environment that sparks creativity and ignites the spark of innovation for generations to come.



TBI VISIT BY DR. SAJI GOPINATH















CHRISTMAS CELEBRATION AT CSE DEPARTMENT

On December 22, 2023, the CSE department organized a festive Christmas celebration for its staff members. The event included a delightful cake cutting ceremony led by the Head of Department, Prof. Manesh T, adding a touch of holiday joy to the occasion. Colleagues participated in the tradition of exchanging Christmas gifts, creating a warm and festive atmosphere during this staff-centric gathering.











VIKASITHA BHARAT TALK BY PM



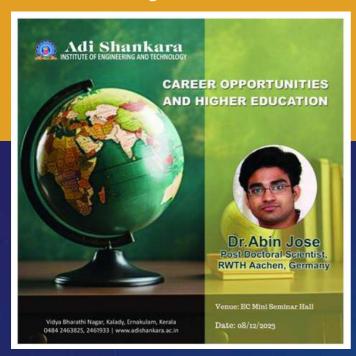


In a groundbreaking online interaction, Prime Minister Narendra Modi engaged with students across the nation to discuss his vision for a developed India, or 'Vikasit Bharat.' Addressing the youth, who are the cornerstone of the nation's future, the Prime Minister emphasized the importance of education, technology, and innovation in driving India's progress. The session, marked by enthusiastic participation, saw PM Modi sharing insights on harnessing the potential of young minds to build a stronger, more resilient India. He highlighted key areas such as digital infrastructure, sustainable development, and skill enhancement, aligning them with national goals. This interactive session not only motivated the students but also provided a platform for them to understand their pivotal role in shaping the country's destiny. PM Modi's dialogue with the youth reaffirms his commitment to inclusive growth and the empowerment of the younger generation to contribute effectively to the nation's journey towards 'Vikasit Bharat.'



NEWS CORNER

9th December 2023: Dr. Abin Jose, a Postdoctoral Scientist from RWTH Aachen, Germany, recently conducted a session for our final year students. The focus of his talk was on the various career opportunities and prospects for higher education in Germany. His insights were greatly appreciated and provided valuable guidance for those considering further studies or careers in Germany.













ADI Shankara Institute of Engineering and Technology has been recognised as an institution member in the National Cyber Security Research Council

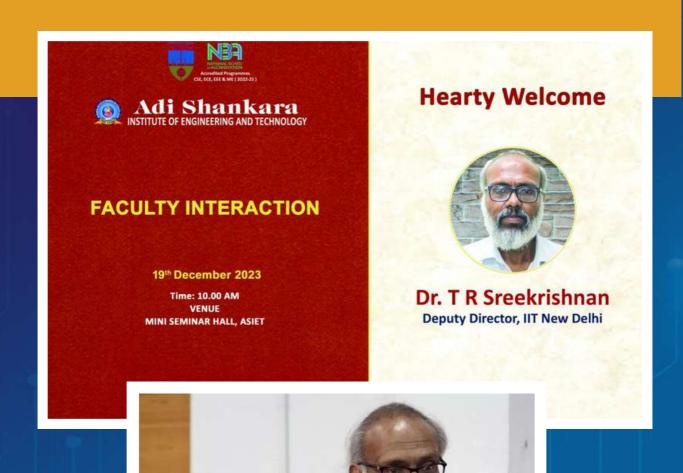


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NEWS CORNER

21st December 2023: We were recently honored by a visit from Dr. T R Sreekrishnan, Deputy Director of IIT Delhi, to our campus. He conducted an engaging session with our faculty members from various departments, sharing valuable insights that could contribute to the development of both the faculty and the institution as a whole. His visit was indeed a fruitful and enlightening experience for all.





PTA EXECUTIVE MEETING 2023

21st December 2023: A PTA Executive Committee meeting was recently held with the primary objective of fostering the growth and development of our student community. The successful organization of this meeting underscores our commitment to creating a nurturing and supportive environment for our students. We believe that such initiatives play a crucial role in enhancing the overall educational experience of our students. We look forward to the positive outcomes this collaboration will bring.









PTA EXECUTIVE MEETING 2023























MATHEMATICS WEEK @ ASIET

21st December 2023: The Department of Basic Science and Humanities, in collaboration with the Mathematics Club of ASIET, successfully celebrated Mathematics Week from December 18th to 22nd, in honor of Mathematics Day. This week was filled with a variety of engaging activities, all aimed at highlighting the significance and beauty of mathematics. The events included informative expert talks, hands-on GeoGebra workshops, an educational exhibition, a thrilling quiz competition, and an intriguing film show. Students from various departments including CSE and CSE-AI actively participated in this event.





SPORTS CORNER



9th December 2023 :Congratulations on becoming 2nd runners-up in KTU D-Zone KHO-KHO Men's Tournament

16th December 2023: Adi Shankara Institute of Engineering and Technology defeated Malayattoor Sixes in the Exhibition match held at Malayattoor Kadappara Church on (5 - 2)





7th and 8th December 2023: Students of S5 CSE participating in Global Level Contest, GAMEATHON 6.0 organized by Department of Information Science and Engineering & BitsNBytes, Jyothi Institute of Technology, Bangaluru.



















21st December 2023: As part of Ramanujan week Celebrations, BSH department and the Maths Club of ASIET conducted a quiz on "The History and Contributions of Indian Mathematics" on December 21, 2023. Sanjay Gireesan, our S7 CSE student was the quiz master. About 20 students from different streams participated in the event.





Gokul P from S1 AI bagged 2nd prize in the quiz on "The History and Contributions of Indian Mathematics" on December 21, 2023



FACULTY CORNER

20th December 2023: Professor P.V. Rajaraman recently had the honor of being a guest speaker at an AICTE Sponsored ATAL Faculty Development Programme held at Rajalakshmi Engineering College, Chennai. On December 20, 2023, he delivered an enlightening lecture on advanced topics including Autoencoders, Variational Autoencoders, Generative Adversarial Models, and Diffusion Models. His expertise and insights undoubtedly contributed to the success of the event. We commend Professor Rajaraman for his valuable contribution to this educational initiative.





FACULTY CORNER

TiECON Kerala, the flagship event of The Indus Entrepreneurs (TiE) Kerala chapter, TiEcon Kerala has established itself as a prominent platform that brings together entrepreneurs, investors, thought leaders, and industry experts to explore emerging trends, exchange ideas, and drive meaningful collaborations. The theme we have chosen for this year is "Driving the change - Unlocking Potential". Held at Le Méridien Kochi on 15th and 16th December 2023

This edition of TiECON Kerala is focusing on 5 sectors:

- ·Health & Wellness
- ·Agriculture
- ·Education
- ·Assisted Living
- ·Research & Development

As representing the College Prof. Maneesh T and Prof Eldhose P Sim attended the Event





Eldose P Sim, an Assistant Professor in the Computer Science Engineering (CSE) department, has recently attended a six-day Faculty Development Program (FDP) on 'Idea to Product Launch'. This program was organized by AICTE Atal and held at Model Engineering College.



IEDC CORNER

20th December 2023: Prof. Ajay Basil Varghese delivered a session on "Introduction & Innovative Practices about ASIET", for the students of plus one from Bhavans Velloor. The students visited ASIET campus on 20 December 2023.









IEDC CORNER

27 NOVEMBER 2023: WORKSHOP ON WORLD STARTUP OPPORTUNITIES

The main key points discussed during the session is in today's global corporate environment, identifying innovation is a bit of a challenge. When it comes to defining innovation, appropriately framing and critically appraising society's requirements is crucial. Being able to come up with and apply new and useful ideas to specific problems. It is vital for the development of a society to translate them into solutions that bring value. Country. Innovative ideas can have a positive impact on societies in a variety of ways. Start-ups are newly formed business endeavors. Start-up innovation exemplifies the concept of taking chances, and obligations in order to create sustainable business models that match market demands. In addition, it comprises extensively evaluating an enterprise's prospective growth as well as uncovering opportunities that no one else sees coming. Given the rapid speed of technological disruption, It has become difficult and competitive to innovate, communicate fresh ideas, and bring them to life. The geographic scope of start-up activity and venture capital investment is rapidly expanding. As a result of globalization, communities are becoming more involved with one another in terms of information sharing.

Total no of Participants:80









NSS CORNER

Awareness Class on International AIDS day :As a part of international aids day nss units along with red ribbon club conducted an awareness class focuses on the prevention and information regarding aids that was taken by Dr Lija divakaran,Assistant gynecologist of Govt hospital Kalady ,they all took anti aids day prevention pledge conducted poster & quiz competitions.

Republic day parade camp: In a momentous achievement for our institution, Aparna Prasad, a talented student from the S5 ECA has been selected to participate in the prestigious Republic Day Parade Camp 2024.

Celebrated National Energy Conservation Day: Adi Shankara Institute's NSS units marked National Energy Conservation Day with an impactful awareness class led by Sijo George. Focused on instilling energy conservation habits, the session covered practical tips, ecofriendly practices, and the importance of sustainable living.

Cake challenge: In a heartwarming initiative, NSS Units 228 and 303 of Adhishankara came together to organize a unique Cake Challenge with a noble cause. The event, held with the aim of raising funds for dialysis patients in need, brought together students and community members in a spirit of compassion and generosity.

7 day camp: In a commendable effort to foster community engagement and social responsibility, NSS Units 228 and 303 of Adi Shankara recently conducted a transformative 7-day camp for volunteers at the LP School in Chully. This immersive experience aimed to provide participants with a unique opportunity to contribute to the betterment of the local community while developing essential life skills. Throughout the 7-day duration, volunteers immersed themselves in activities such as educational workshops, cleanliness drives, and interactive sessions with the students.



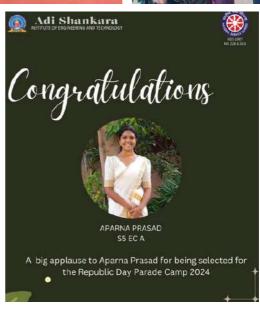
NSS CORNER















IEEE CORNER

SSEP - STUDENT SKILL ENHANCEMENT PROGRAMME 3.0

Date : 15th November to 3rd December

Venue :Online(Google meet) and Offline(seminar hall)

Duration :3 weeks

Audience : 160

The third Student Skill Enhancement Programme (SSEP 3.0) was organized by IEEE SB ASIET, on the month of November aiming to enhance both technical and non-technical skills to improve employability and foster well-rounded individuals. Spanning various domains, SSEP 3.0 provided participants with hands-on experiences, expert insights, and opportunities to develop and refine their skill sets. Over the course of three weeks, these events highlighted IEEE SB's commitment to nurturing excellence in both technical and non-technical aspects among its peers.

The technical event series comprised a diverse range of 5 domains they are, firstly UI/UX supported students in crafting their personalized UI/UX interfaces, and the Introduction to Blender provided fundamental knowledge and skills to enhance creativity in 3D graphics design. Subsequently, AutoCAD facilitated the development of diverse technical models for their specific areas of study and projects. Machine Learning paved the way for students to comprehend various aspects of its importance. Lastly, Web Development empowered participants to create and implement functional web pages from scratch.

Following are the two different domains offered as part of the non-technical segment. The first, Supra Academics offered valuable insights, focusing on placement training events to provide our peers with a head start for future opportunities. Second, Tech Frame Financio addressed smart money-making methods, elucidating various investment strategies to empower students in saving and earning money intelligently and effortlessly.



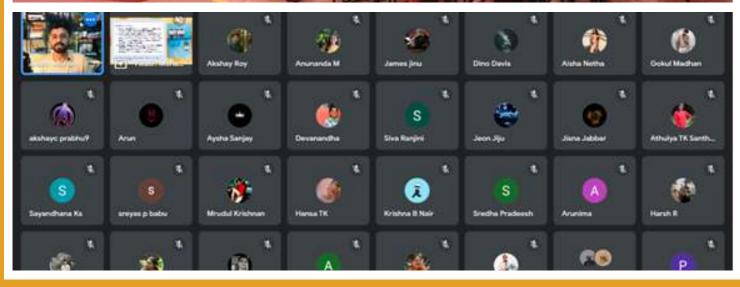
IEEE CORNER



The next one is Social Collective, a captivating domain within SSEP 3.0, delved into socially relevant and thought-provoking topics through four engaging sessions as follows. She Wellbeing, conducted in person, received acclaim from both female educators and students, addressing queries, fostering empowerment and better women's health and well being. Mind Matters, a psychodramatic exploration into the mind, offered stress management approaches and insights, addressing participants' mental well-being and addressing their issues and presenting possible resolutions. Harmony Hues focused on gender diversity, highlighting the significance of equality, respect, identity, and freedom. The Enigma Alliance, an interactive gaming session, introduced mind-opening games emphasizing teamwork and problem-solving through enjoyable activities.

These sessions were a grand success as it emphasized the innovation of young minds and their skill enhancement. We can confidently affirm that all participants have acquired fundamental skills in both technical and non-technical domains, providing them with tools to shape their dreams and goals. Additionally, the sessions have imparted valuable knowledge on socially relevant topics, effectively opening young minds,, addressing mental challenges, encouraging exploration of pertinent issues. These sessions played a pivotal role in helping participants reevaluate their goals, clarify their thoughts, and set their minds on a path towards well-being.









- Course Name: Certification Program in Cybersecurity & Forensics
- Certified by: NASSCOM and Ministry of Electronics & Information Technology (Govt. of India)
- Course Duration: 100 Hours
- Course Fee: Rs. 13,600/-
- Government Incentive: 50% of the fee will be refunded by Govt. of India for the eligible candidates
- Placement Support: 100% Placement support will be provided by NASSCOM and FACEIN
- Interested candidates can register in the below link:
- https://forms.gle/V8tg2Qa9CAZCQjyg6





- Course Name: Certification Program in PHP Full Stack Web Development
- Certified by: STED COUNCIL
- Internship: Internship certificate will be provided by FACEIN
- Course Duration: 100 Hours
- Course Fee: 12000/- plus GST
- Note: Students can pay the fee in four instalments.
- Placement Support: 100% Placement support will be provided by FACEIN
- · Interested candidates can register in the below link:
- https://forms.gle/pjFeh8RXhJzDn1P58
- · Please click on the below link to view the brochures:
- https://drive.google.com/drive/folders/17WAlt1pIzVqhYmPnvq4gMZMjk-bjd6Z7? usp=drive_link





- Course Name: Certification Program in Python Full Stack Web Development
- Certified by: STED COUNCIL
- Course Duration: 100 Hours
- Course Fee: 12000/- plus GST
- Note: Students can pay the fee in four instalments.
- Placement Support: 100% Placement support will be provided by FACEIN
- Interested candidates can register in the below link:
- https://forms.gle/pjFeh8RXhJzDn1P58
- Please click on the below link to view the brochures:
- https://drive.google.com/drive/folders/17WAlt1pIzVqhYmPnvq4gMZMjk-bjd6Z7?
 usp=drive-link





- Course Name: Certification Program in Data Science
- Certified by: STED COUNCIL
- Course Duration: 100 Hours
- Course Fee: 12000/- plus GST
- Note: Students can pay the fee in four instalments.
- Placement Support: 100% Placement support will be provided by FACEIN
- Interested candidates can register in the below link:
- https://forms.gle/pjFeh8RXhJzDn1P58
- · Please click on the below link to view the brochures:
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https://cognitiveclass.ai/courses/python-for-data-science

SQL Free Cerification:

https://cognitiveclass.ai/courses/learn-sql-relational-databases

Machine Learning Certification:

https://cognitiveclass.ai/courses/machine-learning-with-python

Data Science Free Certification:

https://cognitiveclass.ai/learn/data-science-with-python

Data Analysis:

https://cognitiveclass.ai/courses/course-v1:CognitiveClass+DA0101EN+v2



POPULAR PLACEMENT EXAMINATIONS

The TCS National Qualifier Test (NQT)

The TCS National Qualifier Test (NQT) is a recruitment exam by India's largest IT firm, TCS. It's partnered with over 2700 companies across 23 domains in IT and non-IT sectors. Eligible candidates include final year students, pre-final year students, graduates from 2018 to 2022, and professionals with up to 2 years of experience. Various exam packages are available, with NQT IT specifically for IT professionals. A scorecard with a 2-year validity is provided. More information and registration for the NQT exam can be found [here] (https://learning.icsionhub.in/hub/national-qualifier-test/). The NQT is conducted every 2-4 weeks, and applications for the next TCS NQT are open until November 1st.



https://learning.tcsionhub.in/hub/national-qualifier-test/



Infosys Test

Infosys conducts an online test as part of its recruitment process, which includes a technical interview and an HR interview. Eligible candidates for this process include those with qualifications such as B.E., B.Tech, M.Tech, and M.S.C. Backlogs are not allowed. The online test consists of sections like mathematics, analytical reasoning, verbal ability, coding, and puzzle-solving. The online test can be taken from the comfort of your home. Technical interviews, which include questions related to topics like C, C++, and data structures, are conducted in the final rounds.

https://www.infosys.com/careers.html

Aspiring Minds Computer Adaptive Test

The "Aspiring Minds Computer Adaptive Test (AMCAT)" is an assessment test primarily used by entry-level job seekers to help various companies assess candidates. Many companies, such as SAP, Deloitte, ITC, Axis Bank, and Accenture, utilize AMCAT scores. It assesses skills in various areas, including communication skills, logical reasoning, and quantitative skills. An AMCAT score is valid for one year.

https://www.myamcat.com/





POPULAR PLACEMENT EXAMINATIONS

CoCubes

CoCubes is an employment evaluation conducted by businesses in the fields of IT products and services, knowledge processing, and outsourcing. It evaluates candidates in areas like computer proficiency, programming abilities, personality traits, aptitude, and technical skills. The resulting score remains valid for a year.



https://cocubes.com/



E-Litmus

E-Litmus is one of the oldest recruitment tests in the field of IT recruitment examinations. It assesses candidates in areas such as problem-solving, reasoning, quantitative aptitude, verbal ability, and more. The score remains valid for two years. Companies like McCafe, IBM, Accenture, ITC InfoTech, HCL, Mindtree, and many others utilize these scores for their recruitment processes.

https://www.elitmus.com/

Mettl Employability Test

Mettl Employability Test assesses communication skills, logical reasoning, quantitative aptitude, and technical skills. It is utilized by more than 700 companies for their recruitment processes, and the score remains valid for one year.

https://mettl.com/



Corporate Employability Assessment Test

Corporate Employability Assessment Test conducted by Freshersworld, a leading job information portal. It assesses attributes like aptitude, technical skills, and communication skills. It covers areas such as C, C++, .Net, Java, Networking, PHP, and Software Testing when evaluating technical proficiency.

https://www.freshersworld.com/ceat





TECH NEWS



• Meta Platforms (formerly Facebook) Faces Antitrust Lawsuit

In December, Meta Platforms, the parent company of Facebook, found itself in the crosshairs of a major antitrust lawsuit. The Federal Trade Commission (FTC) filed a suit alleging that Meta's acquisitions and business practices have stifled competition, aiming to force the company to divest its acquisitions of Instagram and WhatsApp.

• To further explore this topic and its intriguing implications, consider delving into the following points:

Explore the history and development of the X-37B program, analyzing publicly available information and official statements. Discuss the potential benefits and risks of increased private sector involvement in government space activities. Analyze the ethical considerations surrounding space-based military technologies and their implications for global security. Examine the potential future applications of the X-37B and similar platforms, considering both scientific and military perspectives.

• Microsoft Unveils Windows 11 Major Update

Microsoft announced a substantial update to Windows 11, introducing new features and improvements. The update, named Sun Valley 2, brought enhancements to the Start Menu, taskbar, and several other user interface elements. Additionally, it aimed to refine the overall user experience on the latest iteration of Microsoft's operating system.



ADI SHANKARA SKILL KENDRA CORNER



Stipend Upto Rs. 60k

- BTech Computer Science
- Basic knowledge of build automation tools (e.g., Jenkins, TeamCity, Bamboo) and version control systems (e.g., Git, Subversion).
- Knowledge of scripting languages (e.g., Python Bash, PowerShell) for automation and build process customization.

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PLACEMENTS









PENTAGON SPACE ON GETTING PLACED @ PENTAGON SPACE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI) 2020-2024 BATCH

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FACULTY BLOG

UNLEASHING THE POTENTIAL OF AI: COPILOT'S IMPACT ON CRAFTING AI RESEARCH ARTICLES

In the dynamic realm of Artificial Intelligence (AI), researchers continually seek cuttingedge tools to boost productivity and streamline the process of knowledge creation. A notable entrant in this landscape is Copilot, an AI-powered writing assistant developed by OpenAI, which has garnered significant attention in recent times. This blog post explores the transformative role of Copilot in the development of research articles within the AI domain.

Copilot operates on the robust GPT (Generative Pre-trained Transformer) architecture, specifically GPT-3.5. Its purpose is to assist users in generating human-like text based on provided prompts. Leveraging a vast dataset covering diverse topics, Copilot proves to be a versatile and powerful tool for various applications, including the composition of research articles. Functioning on the principles of natural language processing and machine learning.

Copilot engages with users through prompts or queries. The model responds by generating coherent and contextually relevant text, showcasing its ability to adapt output based on the input received. This adaptability is a crucial feature that positions Copilot as an invaluable asset in the nuanced domain of AI research.

Benefits of Using Copilot in Writing AI Research Articles

- Efficient Idea Generation: Copilot excels in brainstorming and generating ideas. Researchers can utilize its capabilities to explore various angles and perspectives related to their research topics, aiding in the discovery of new insights and connections.
- Language Assistance and Refinement: Crafting clear and concise language is pivotal in research articles. Copilot supports researchers in refining their writing by suggesting appropriate vocabulary, sentence structures, and ensuring coherence in the manuscript.
- Automated Code Snippet Generation: Particularly beneficial for AI researchers working with code, Copilot's proficiency in generating code snippets is revolutionary. It assists in writing complex algorithms, ensuring precision and efficiency in coding practices.
- Collaborative Writing Support: Copilot serves as a collaborative writing partner, offering real-time suggestions and improvements. This facilitates seamless collaboration among researchers, reducing the time and effort needed to integrate contributions from multiple authors.
- Enhanced Productivity and Time Savings: By automating certain aspects of the writing process, Copilot significantly reduces the time and effort researchers invest in content generation. This allows them to concentrate more on the conceptualization and analysis phases of their research.



Copilot supports researchers in refining their writing by suggesting appropriate vocabulary, sentence structures, and ensuring coherence in the manuscript.

Automated Code Snippet Generation: Particularly beneficial for AI researchers working with code, Copilot's proficiency in generating code snippets is revolutionary. It assists in writing complex algorithms, ensuring precision and efficiency in coding practices.

Collaborative Writing Support: Copilot serves as a collaborative writing partner, offering real-time suggestions and improvements. This facilitates seamless collaboration among researchers, reducing the time and effort needed to integrate contributions from multiple authors. Enhanced Productivity and Time Savings: By automating certain aspects of the writing process, Copilot significantly reduces the time and effort researchers invest in content generation. This allows them to concentrate more on the conceptualization and analysis phases of their research. Copilot emerges as a potent ally for researchers in the AI domain, revolutionizing the composition of research articles. Its proficiency in generating human-like text, providing coding support, and facilitating collaborative writing positions it as an indispensable tool in the toolkit of AI researchers. As technology progresses, tools like Copilot pave the way for a more efficient, collaborative, and innovative future in AI research.



Dr.Binju Saju Dept of CSE-AI





STUDENT BLOG

SECRETS TAKE FLIGHT: SPACEX FALCON HEAVY LAUNCHES MYSTERIOUS US MILITARY PLANE

On 28th December 2023, a thunderous roar echoed across the Florida coast as SpaceX's behemoth Falcon Heavy rocket thundered skyward, carrying a highly classified payload for the U.S. government. This audacious launch, shrouded in secrecy and speculation, marked the latest chapter in the captivating saga of the X-37B spaceplane, one of the U.S. military's most enigmatic spacecrafts.

While the exact nature of the payload remains under tight wraps, the mere sight of the Falcon Heavy's colossal power propelling this enigmatic plane into the unknown sparked a flurry of intrigue. The X-37B, often dubbed the "Orbital Test Vehicle," boasts a design reminiscent of the retired Space Shuttle, yet its purpose and operations remain largely a classified enigma.

A History of Secrecy:

Developed by Boeing and shrouded in classified details, the X-37B first graced the heavens in 2010. Since then, it has embarked on six enigmatic missions, each lasting from months to years. Its orbital activities, shrouded in a veil of secrecy, have fueled speculation about its potential roles:

Technology Testing: The X-37B may serve as a platform for testing cutting-edge space technologies, from thermal management systems to hypersonic re-entry techniques.

Surveillance and Reconnaissance: With its long orbital duration and maneuverability, the X-37B could be involved in space-based surveillance or reconnaissance missions.

Weapons Development: While highly controversial, some speculate that the X-37B could be involved in weapons research or development for potential future space-based defense systems.

The Falcon Heavy Connection:

This latest launch marks the first time the X-37B has hitched a ride on the mighty Falcon Heavy. This behemoth rocket, with its triple core configuration and immense power, can propel significantly heavier payloads into higher orbits than the Falcon 9, its smaller sibling. This capability opens up new possibilities for the X-37B's missions, potentially allowing it to reach deeper into space or carry larger, more sophisticated payloads.

Beyond the Veil:

While the true purpose of the X-37B and its latest mission may remain classified for years to come, the implications of this launch are undeniable. It signifies a deepening partnership between the U.S. government and SpaceX, with the private sector playing an increasingly crucial role in national space activities. It also highlights the growing importance of space-based technologies, not just for scientific exploration but also for potential military applications.





The X-37B's enigmatic journey, veiled in secrecy yet propelled by powerful rockets like the Falcon Heavy, serves as a reminder of the vast potential and profound mysteries that still lie nestled within the cosmos. As we gaze upwards at the starry expanse, the questions linger: what secrets does the X-37B carry? And what does its presence in the heavens tell us about the future of space exploration and beyond?

To further explore this topic and its intriguing implications, consider delving into the following points:

- •Explore the history and development of the X-37B program, analyzing publicly available information and official statements.
- Discuss the potential benefits and risks of increased private sector involvement in government space activities.
- ·Analyze the ethical considerations surrounding space-based military technologies and their implications for global security.
- •Examine the potential future applications of the X-37B and similar platforms, considering both scientific and military perspectives.



SANJAY GIREESAN 87 CS B





ALUMINI BLOG

LARGE LANGUAGE MODELS (LLM)

Large Language Models (LLMs) have been making headlines in recent years, with their ability to generate human-like text and revolutionize the field of artificial intelligence. But what exactly are LLMs, and what is their impact on society? In this blog, we will explore the origin, ideology, developments, current impact, and future of LLM technology.

• Introduction: A Smart and Funny Take on LLMs

Have you ever wished you could generate a perfect response to any question or situation? Well, with LLMs, you might just be able to do that! These models are like the ultimate cheat sheet for life, providing you with the perfect answer to any question. But, as with any cheat sheet, there are risks involved. Let's dive into the world of LLMs and see what they're all about.

• Origin and Ideology of LLMs

The concept of LLMs has been around for decades, but it wasn't until recently that they became a reality. LLMs are essentially large neural networks that are trained on vast amounts of data, allowing them to generate human-like text. The ideology behind LLMs is to create a model that can understand and generate natural language, enabling it to perform tasks such as language translation, text summarization, and even creative writing.

• Developments in LLM Technology

LLMs have come a long way since their inception, with the latest models boasting billions of parameters. One of the most significant developments in LLM technology is Automated Machine Learning (AutoML), which provides improved tools for labeling data and automates the machine learning process, making it more accessible and efficient. Other advancements include Natural Language Processing (NLP), Chatbots and Virtual Engagement, Speech Recognition, and Extended Reality (XR).

• Current Impact of LLMs

The impact of LLMs on society is vast and varied. LLMs are being used in various industries, including healthcare, finance, and media, to automate tasks and generate human-like text. However, there are also concerns about the potential misuse of LLMs, such as generating politically biased content or spreading misinformation. Ensuring the security of LLMs is crucial to prevent these risks.





ALUMINI BLOG

LARGE LANGUAGE MODELS (LLM)

IFuture of LLM Technology

The future of LLM technology is exciting, with the potential to revolutionize various industries and create new job opportunities. However, there are also concerns about the ethical implications of LLMs, such as the potential for bias and the impact on privacy. As LLM technology continues to evolve, it is essential to consider these implications and ensure that the benefits of LLMs are balanced with the risks.

In conclusion, LLMs are a fascinating technology that has the potential to change the way we interact with machines and each other. While there are risks involved, the benefits of LLMs are vast and varied, and their impact on society is only just beginning. As we continue to develop and refine LLM technology, it is crucial to consider the ethical implications and ensure that we use this technology for the greater good.

Let's make the subject more interesting by taking a peek into a software we all are familiar with and grateful that it exists, Along with a pinch of novelty and storyline. Imagine a group of tech wizards at OpenAI, using a special kind of magic to create something called GPT (Generative Pre-trained Transformer). It's like a super-smart computer program designed to understand and generate human-like language. They built GPT using a mix of advanced techniques in computer learning, making it really powerful with a whopping 175 billion settings. That's like having an incredibly smart assistant that can do all sorts of language-related tasks.

To make GPT so smart, they taught it by exposing it to tons of written stuff. It's like training a very smart pet – the more it sees and understands, the better it gets. Now, why is GPT a big deal? Well, it can do lots of cool things! Imagine talking to a computer program that understands you as well as your best friend. GPT can translate languages, write articles, and have conversations that sound just like a person. It's not just a tech gadget; it's like having a really clever helper for many different jobs. In the future, GPT isn't just going to be a cool tech tool. It's going to change the way we do things, making tasks that used to be boring much more interesting and smart. But, of course, we need to be careful and use this smart tech responsibly, so it helps us without causing any problems.

So, think of GPT as a super-smart friend for your computer, making everything more fun and helpful!





ALUMINI BLOG

LARGE LANGUAGE MODELS (LLM)

LLMs have the ability to generate money in a variety of fields of expertise and sectors. LLMs are likely to produce money in the following areas:

Medical: LLMs can be used in healthcare for activities including medical recordkeeping, patient communication, and clinical decision assistance, thereby improving efficiency and patient care.

Financial: LLMs can be used in the financial industry for tasks like as fraud detection, risk assessment, automated financial advice, and natural language processing for a variety of applications.

Industrial: LLMs have the potential to be employed in industrial contexts for activities including content creation, translation services, and increasing human-machine interactions.

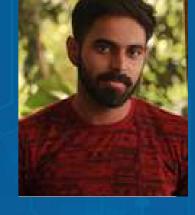
Educational: LLMs can be used in education for language translation, content production, and tailored learning experiences.

The cross-industry applicability of LLMs also influences their income potential, which drives demand and innovation. The rising need for natural language processing technology in a number of applications, such as chatbots, virtual assistants, content generation, and translation services, is driving market expansion.

Finally, the future of Large Language Models (LLMs) seems promising, with many sectors ready to harness their potential and revolutionize their processes. LLMs will have an important role in determining how humans engage with technology and how organizations approach problem-solving as they mature.

So, the next time you question if an LLM can transform your sector, remember this: LLMs are like AI superheroes, come to save the day and make the world a better place. And as they continue to develop and learn, their potential effect on society will expand, making the future of AI exciting and intriguing.

And with that, we leave you with a light-hearted AI pun to remember: "LLMs: Powering the world with language, one word at a time!"



Arjun Ramesh Chandran







കാലടി ആദിശങ്കര എൻജിനിയറിങ് കോളജിൽ എത്തിയ കേരള ടെക്നിക്കൽ യുണിവേഴ്സിറ്റി വൈസ്ചാൻസലർ ഡോ. സജി ഗോപിനാഥനെ സ്മീകരിക്കുന്നു

സംവാദം സംഘടിഷിച്ചു

കാലടി: കേന്ദ്ര സർക്കാരി ന്റെ വിദ്യാഭ്യാസ മന്ത്രാലയം രൂപപ്പെടുത്തി നടപ്പിലാക്കി വരുന്ന അമ്യത് കാൽ വിമർ ശ് വികസിത ഭാരതം 2047 ന്റെ ഭാഗമായി രാജ്യത്തെ ഉന്നത വിദ്യാഭ്യാസ സ്ഥാപ നങ്ങളുടെ കാമ്പസുകളിൽ നടക്കുന്ന സംവാദ പരിപാ ടിയുടെ ഭാഗമായി കാലടി ആദിശങ്കര ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓ ഫ് എൻജിനിയറിങ്ങ് ആന്റ് ടെക്നോളജിയിൽ സംവാദം സംഘടിപിച്ചു. കേരള ടെക്നോളജി കാൽ യൂണിവേഴ്സിറ്റി വൈ സ്ചാൻസിലർ ഡോ. സജി ഗോപിനാഥ് സംവാദത്തിന "നേതൃത്വം നൽകി. 200 ഓ ളം വിദ്യാർഥികളും അധ്യാപ കരും സംവാദത്തിൽ പങ്കെ ടൂത്തു. പ്രിൻസിപ്പൽ ഡോ.എ സ്. ശ്രീപ്രിയ, പ്രെഫ. രാജാ രാമൻ തുടങ്ങിയവർ സം സാരിച്ചു. ആഭിശങ്കരയിലെ ടെക്നോളജി ബിസിനസ് ഇൻക്യുബേറ്ററും ഡോ. സജി ഗോപിനാഥ് സന്ദർശിച്ചു.

ആദിശങ്കര കോളജിൽ സംവാദം നടത്തി

കാലടി∙ കേന്ദ്ര വിദ്യാഭ്യാസ മന്ത്രാലയത്തിന്റെ 'അമൃത് കാൽ വിമർശ് ' വികസിത 2047'ന്റെ ഭാഗമായി രാജ്യത്തെ ഉന്നത വിദ്യാഭ്യാസ സ്ഥാപനങ്ങ ളിൽ നടക്കുന്ന സംവാദ പരിപാടി യുടെ ഭാഗമായി കാലടി ആദിശ ങ്കര എൻജിനീയറിങ് കോളജിൽ സംവാദം നടത്തി. സംസ്ഥാന സാങ്കേതിക സർവകലാശാല വൈസ് ചാൻസലർ ഡോ.സജി ഗോപിനാഥ് നേതൃത്വം നൽകി. പ്രിൻസിപ്പൽ ഡോ. എസ്.ശ്രീ ഗ്രിയ, പ്രഹരാജാരാമൻ എന്നി വർ പ്രസംഗിച്ചു.

ആദിശങ്കരയിൽ സംവാദം

കാലടി: കേന്ദ്ര സർക്കാരി ന്റെ വിദ്യാഭ്യാസ മന്ത്രാലയം രൂ പപ്പെടുത്തി നടപ്പിലാക്കി വരു ന്ന അമൃത് കാൽ വിമർശ് വി കസിത ഭാരതം 2047ന്റെ ഭാഗ മായി രാജ്യത്തെ ഉന്നത വിദ്യാ ഭ്യാസ സ്ഥാപനങ്ങളുടെ കാമ്പ സുകളിൽ നടക്കുന്ന സംവാദ പരിപാടിയുടെ ഭാഗമായി കാ ലടി ആദിശങ്കര ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓ ഫ് എൻജിനീയറിങ്ങ് ആന്റ് ടെ ക്നോളജിയിൽ സംവാദം സം ഘടിഷിച്ചു. കേരള ടെക്നോള ജിക്കൽ യൂണിവേഴ്സിറ്റി വൈ സ്ചാൻസിലർ ഡോ. സജി ഗോ പിനാഥ് നേത്യത്വം നൽകിയ ച ടങ്ങിൽ 200 ഓളം വിദ്യാർത്ഥി കളും അധ്യാപകരും പങ്കെടു ത്തു. പ്രിൻസിഷാൾ ഡോ. എ സ് ശ്രീപ്രിയ, പ്രെഫ. രാജാരാ മൻ തുടങ്ങിയവർ സംസാരിച്ചു.

വിദ്യാഭ്യാസ സംവാദം

കാലടി: കേന്ദ്ര സർക്കാരി ന്റെ വിദ്യാഭ്യാസ മന്ത്രാലനം രൂ പപ്പെടുത്തി നടപ്പിലാക്കി വരു ന്ന അമുത് കാൽ വിമർശ് വി കസിത ഭാരതം 2047ന്റെ ഭാഗ മായി രാജ്യത്തെ ഉന്നത വിദ്യാ ഭ്യാസ സ്ഥാപനങ്ങളുടെ കാ മ്പസുകളിൽ നടക്കുന്ന പരി പാടിയുടെ ഭാഗമായി കാലടി ആദിശങ്കര ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് എൻജിനിയറിങ്ങ് ആന്റ് ടെക് നോളജിയിൽ സംവാദം സം ഘടിപ്പിച്ചു.കേരള ടെക്നോള ജിക്കൽ യൂണിവേഴ്സിറ്റി വൈ സ്ചാൻസിലർ ഡോ.സജി ഗോ ചിനാഥ് സംവാദത്തിന് നേത്യ ത്വം നൽകി. 200 ഓളം വിദ്യാർ ത്ഥികളും അധ്യാപകരും പരി പാടിയിൽ പങ്കെടുത്തു. പ്രി ൻസിപ്പാൾ ഡോ. എസ്. ശ്രീപ്രി യ, പ്രെഫ രാജാരാമൻ എന്നി വർ സംസാരിച്ചു. ആദിശങ്കര യിലെ ടെക്നോളജി ബിസിന സ് ഇൻക്യുബേറ്ററും ഡോ. സ ജി ഗോപിനാഥ് സന്ദർശിച്ചു.

NEWSPAPER CORNER



കാലടി ആദിശങ്കര എൻജിനീയറിങ് കോളജിൽ ഹിന്ദുസ്ഥാൻ സ്കൗ ട്ട്സ് ആൻഡ് ഗൈഡ്സിന്റെ കോളജ് വിഭാഗമായ റോവർ റെയിഞ്ചറി ന്റെ ത്രിദിന ക്യാംപ് ഹിന്ദുസ്ഥാൻ സ്കൗട്ട്സ് ആൻഡ് ഗൈഡ്സ് സം സ്ഥാന ട്രഷറർ ഡോ. ദീപ ചന്ദ്രൻ ഉദ്ഘാടനം ചെയ്യുന്നു. പ്രഫ. സി ജോ ജോർജ്, ഷാജി മോഹൻ, ഡോ.എസ്.ശ്രീപ്രിയ, എൻ.ശ്രീനാഥ്, ക്യാപ്റ്റൻ കെ.എസ്.ചൗഹാൻ, കെ.ശിവകുമാർ ജഗ്ലു എന്നിവർ സമീ



വോളിബാൾ ടീമിലേക്ക് തെരഞ്ഞെടുത്ത കാലടി ആദിശങ്കരയി ലെ പി.എ. കൃഷ്ണപ്രിയ, പി. അനുശ്രീ, എം. കീർത്തന, ദേവിക സാബു, എയ്ഞ്ചൽ മരിയ ഷാജു, മേഘന റെജി

യൂനിവേഴ്സിറ്റി ടീമിലേക്ക് തെരഞ്ഞെടുത്തു

കാലടി: കേരള ടെക്നോളജിക്ക ൽ യൂനിവേഴ്സിറ്റിയിലെ വോളി ബാൾ, ബാസ്കറ്റ്ബാൾ, ബാഡ്മി ൻ്റൺ ടീമുകളിലേക്ക് ആദിശങ്ക ര ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് എൻജിനീയ റിങ് ആൻഡ് ടെക്നോളജിയിലെ എട്ട് വിദ്യാർഥികളെ തിരഞ്ഞെ ടുത്തു. വോളിബാൾ ടീമിലേക്ക് പി.എ. കൃഷ്ണപ്രിയ, പി. അനുശ്രീ, എം. കീർത്തന, ദേവിക സാബു, എയ്ഞ്ചൽ മരിയ ഷാജു, മേഘ ന റെജി ബാസ്കറ്റ്ബാൾ ടീമിലേ ക്ക് റോസ്കിൻ ജോസ്, ബാഡ്മിൻ ൺ ടീമിലേക്ക് ആൻ റോസ് മണ്ണാ റ എന്നിവരെയാണ് തിരഞ്ഞെടു ത്തത്. 9 9 0



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