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INTELLIVERSE

✦ Bridging Imagination and Reality

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The Department of Artificial Intelligence & Machine Learning offers a four-year undergraduate program designed to equip students with the skills to develop intelligent systems that can learn, reason, and make decisions. The program combines theoretical knowledge with practical experience in areas such as AI, ML, Computer Vision, Natural Language Processing and Robotics.

The department is supported by advanced labs and modern classrooms, fostering a dynamic learning environment for the students. Guided by 8 experienced faculty members and 2 lab assistants, the department emphasizes hands-on learning through course projects, mini-projects, major projects, and seminars.

Students are encouraged to engage in conferences, workshops, and publish research papers, ensuring they are well-prepared for industry challenges in the rapidly evolving fields of AI and ML.

VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR



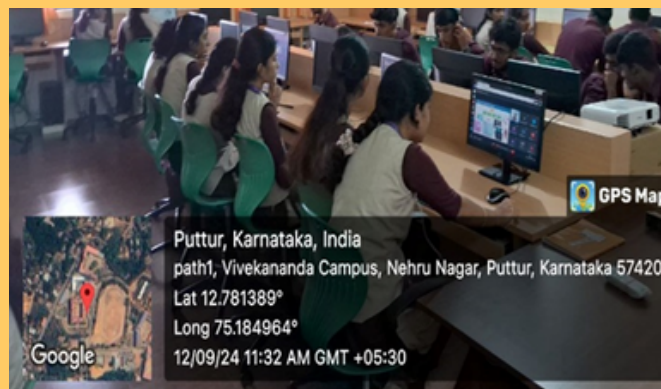
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TALK ON "AI IN MEDICAL IMAGING"

On September 12, 2024, the Department of Artificial Intelligence and Machine Learning, in collaboration with the Artificial Intelligence Student Association (AISA), ISTE, IEEE VCET Student Branch, and the Institution's Innovation Council (IIC), hosted a talk on "AI in Medical Imaging" at VCET, Puttur.

Dr. Kangkana Bora, Assistant Professor from Cotton University, Guwahati, delivered an insightful session on the transformative role of AI in healthcare, particularly in advanced diagnostic tools for medical imaging.

The event, attended by approximately 100 students from AI and Data Science departments, provided valuable insights into the intersection of AI and healthcare, fostering deeper interest in AI's real-world applications.



The poster features the logos of IEEE VCET Student Branch, Vivekananda College of Engineering & Technology, Department of Artificial Intelligence and Machine Learning, Artificial Intelligence Student Association (AISA), and ISTE, VCET. It includes a photo of the speaker, Dr. Kangkana Bora, and the event details: September 12th, 2024 Thursday, Time: 11:15AM, E210 - DBMS/DAA Lab.

VIVEKANANDA COLLEGE OF ENGINEERING & TECHNOLOGY
[A Unit of Vivekananda Vidya Mandala Sangha Puttur - I]
Nehru Nagar, Puttur - 574203

Department of Artificial Intelligence and Machine Learning
in association with
Artificial Intelligence Student Association (AISA)
and ISTE, VCET

Organizes
Talk on

AI in Medical Imaging

Speaker
Dr. Kangkana Bora
Assistant Professor
Department of Computer Science and IT
Cotton University, Guwahati

September 12th, 2024 Thursday, Time: 11:15AM
E210 - DBMS/DAA Lab

VISTAAR: "A CELEBRATION OF INNOVATION, CREATIVITY, AND GROWTH"

The Department of Artificial Intelligence and Machine Learning, in collaboration with the Artificial Intelligence Student Association (AISA), organized "**VISTAAR**", a grand event held on November 30th, 2024.

The event brought together over 350 pre-university students from six colleges, providing an engaging platform for them to showcase their skills and talents. With a diverse range of 15 activities spanning technical, non-technical, and cultural domains, Vistaar encouraged students to engage in competitions and creative challenges that enhanced their problem-solving abilities, teamwork, and creativity.

The overwhelming enthusiasm and active participation from the students made Vistaar a remarkable success, underscoring the department's commitment to fostering holistic growth and talent development among young minds.



WORKSHOP ON "OLLAMA"

On 18 July 2024, the Department of Artificial Intelligence & Machine Learning in collaboration with the Artificial Intelligence Students Association, ISTE VCET, and IEEE VCET Student Branch, organized a workshop on "**OLLAMA**" at the AI Lab, starting at 2 PM.

Led by Shreesha B, an alumna of VCET Puttur, the session introduced OLLAMA's significance and applications in AI and ML. Around 100 students from AIML and Data Science actively participated. The workshop included discussions on core principles and algorithms of OLLAMA, real-world use cases, and an engaging hands-on coding session, allowing students to apply concepts practically.

The event concluded with a Q&A session, enriching participants' knowledge and enthusiasm for advanced AI topics. This collaborative effort was highly appreciated, showcasing the department's commitment to skill-building and innovation.



YUGANTAR: "EMPOWERING MINDS, SHAPING FUTURES"

The Department of Artificial Intelligence and Machine Learning, along with the Artificial Intelligence Student Association (AISA), in association with CORE and IEEE VCET Student Branch, organized "**YUGANTAR**", an interdepartmental event held from December 2nd to December 10th, 2024. The event featured 18 exciting technical and non-technical activities designed to engage students across various disciplines.

Students actively participated in a wide range of competitions that not only tested their technical skills but also honed their creativity, communication, and teamwork. From coding challenges and AI-related tasks to problem-solving puzzles and cultural activities, Yugantar encouraged participants to think critically, collaborate effectively, and innovate. Through these hands-on experiences, students were able to enhance their knowledge, broaden their perspectives, and apply their learning in real-world contexts. The active involvement of the student community made the event a great success, creating an environment of learning, growth, and skill development.



- **Dr. Govindaraj P**, has co-authored a research paper on “**Autologous Blood Transfusion Automated Model Using Semi-Intraoperative Cell Salvaging Technique**”, presented at International Conference on Signal & Data Processing 2023, India.
- **Prof. Monica K P** has participated in a 5-day Online FDP on “**Inculcating Universal Human Values in Technical Education**” organized by AICTE.(Apr 3-7,2023)
- **Prof. Monica K P**, has successfully completed 5 days National Level FDP on “**Emerging Trends in Signal Processing,Image Processing and Artificial Intelligence**” organized by Dept of ECE, SJMIT Chitradurga(September 2023)
- **Prof. Venkatesh Y C**, has successfully completed 5 days National Level FDP on “**Emerging Trends in Signal Processing,Image Processing and Artificial Intelligence**” organized by Dept of ECE, SJMIT Chitradurga(September 2023)
- **Prof. Vaishnavi K V**, has successfully completed the NPTEL-AICTE FDP course on “**Joy of Computing using Python**” (Jan–Apr 2024). The program was conducted by IIT Madras and funded by the Ministry of Education, Government of India.
- **Prof. Monica K P**, has successfully completed the NPTEL-AICTE FDP course on “**Business Intelligence & Analytics**” (Jan–Apr,2024) and “**Data Analytics with Python**” (Jan–Apr 2024)
- **Prof. Naveena C**, has successfully completed NPTEL online Certification course on “**Data analytics with Python**” during Jan–Apr 2024.
- **Prof. Ajay Shastry C G**, has successfully attended the **Five Days Regional FDP** (Feb 3-7, 2024)organized by the Centre for Multi-Disciplinary Development Research, Dharwad, and Vidya Bharati Uchcha Shiksha Sansthan, Karnataka.
- **Prof. Akshaya D Shetty**, has successfully completed Swayam online course certification on “**Problem solving Aspects and Python Programming**” (May 2024)
- **Dr. Govindaraj P**, has contributed to a study on “**Robust Feature Descriptor Using Square Triangle Tessellation for Shape Retrieval**”, published in Wireless Personal Communication(Scopus & SCI Indexed, Impact Factor: 2.017, 2022).
- **Prof. Vaishnavi K V**, has attended the Five Days FDP on “**Inculcation Best Research Practices**” (Aug 20-24,2024) organized by the Dept of CSE,VCET,Puttur.
- **Prof. Monica K P**, has, successfully completed the NPTEL online Certification course “**Fundamentals of Artificial Intelligence**” “**Introduction to Machine Learning** ” and “**Cloud Computing** ” during Jul–Oct 2024.
- **Prof. Akshaya D Shetty**, has successfully completed the NPTEL-AICTE FDP course on “**Cloud computing**”(July–Oct, 2024). The program was conducted by IIT Madras and funded by the Ministry of Education, Govt of India.
- **Prof. Vaishnavi K V**, has successfully completed the NPTEL-AICTE FDP course on “**Introduction to Internet of Things, Software Engineering**” (Jul–Oct 2024), and “**Introduction to Machine Learning**” (Jul–Sep 2024). The programs were conducted by IIT Kharagpur and funded by the Ministry of Education, Government of India.

- **Prof. Ajay Shastry C G**, has successfully completed the NPTEL-AICTE FDP course on “**Cyber Security and Privacy**” (July–October 2024). The program was conducted by IIT Madras and funded by the Ministry of Education, Government of India."
- **Dr. Govindaraj**, has presented "**Auto Segmentation and Classification for Dental Caries Detection Using U-Net and CNN Models**" at the International Conference on Responsible Artificial Intelligence (ICRAI) 2024, Mangalore University.
- **Prof. Akshaya D Shetty**, has successfully completed FDP on " **Enhancing Mental Well Being through Soft Computing: Techniques and Strategies**"(Jul 22-26,2024) held at Reva University.**Prof. Monica K P**, has successfully completed the NPTEL-AICTE FDP course on "**Cloud Computing**" (Jul–Oct 2024). The programs were conducted by IIT Madras and funded by the Ministry of Education, Government of India
- **Dr. Govindaraj P**, has Co-authored a paper on “**AI-Based Weather Parameter Analysis on Fruitrot Disease Incidence in Arecanut**”, published in IJCNIS ,16(1 (Special Issue), 1317–1326. (Scopus Indexed)
- **Prof. Monica K P**,has, attended the Five Days FDP on “**Inculcation Best Research Practices**” (Aug 20-24,2024) organized by the Dept of CSE, VCET, Puttur.
- **Prof. Naveena C.**, has successfully completed the Ph.D. coursework (Aug29, 2024).
- **Prof. Monica K P**, has, been recognized as “**NPTEL Discipline Star**”, “**NPTEL Motivated Learner**” & earned 21 credits with the completion of multiple NPTEL courses.
- **Prof. Ajay Shastry C G**, has successfully completed the Online FDP on “**Data Analytics and Visualization with Power BI and Tableau**”(Sep 9-13,2024) organized by the Department of Information Science and Engineering, CMR Institute of Technology, Bangalore.
- **Prof. Naveena C**, has attended Online FDP on "**Early Detection of Cancer: Bridging Academia and Clinical Practice**" (Sep 10-14,2024) organized by the Dept. of ECE at St. Joseph Engineering college, Mangalore along with NIT Warangal.
- **Prof. Abhishek Kumar K**, has successfully completed the Online FDP on “**Data Analytics and Visualization with Power BI and Tableau**” held from September 9th to 13th, 2024, organized by the Department of Information Science and Engineering, CMR Institute of Technology, Bangalore
- **Dr. Govindaraj P**, has participated in a five-day FDP on “**Emerging Technologies, Challenges & Research Prospectives in Healthcare w.r.t Bio-Medical Imaging and Cancer Detection using AIML, and Nanotechnological Concepts**” at DSCE, Bengaluru (Oct 21-25 2024).
- **Prof. Ajay Shastry C G**, has delivered an insightful talk on "**Cyber Security: Online Scams and Safety**" at the Rotary Club of Puttur City on Novembet 5,2024.
- **Prof. Akshaya D Shetty**, has presented and authored the paper at the “**3rd International Conference on Innovative Research and Development**” (Nov 8-11,2024) held at Shinawatra University, Thailand.



Student Achievements for the Academic year 2023-24

- **Mr. Praful U.S.** from final-year AI, "**Captain of the VTU Kabaddi Team**", led the team at the "**South Zone National Kabaddi**" Tournament in Chennai, secured third place in the "**Inter-Zonal Kabaddi**" Tournament and winners in the "**Zonal Kabaddi**", represented VTU in tournaments held in Andhra Pradesh and Tamil Nadu, achieved third place in the "**Zonal Kabaddi Tournament**", earned third place in the "**Inter-Zonal**" and runner-up in the "**Zonal Volleyball Tournament**" and participated in "**VTU state-level athletics**" three times, securing fourth place in discus and javelin events.
- **Mr. Anvith B. N.** from final year AI, secured two bronze medals and a gold at **VTU state-level athletics** represented VTU in the "**All India Inter-University Cross Country Championship**", and won 1st place in CORE's "**Quick Learner**" event.
- **Mr. Jagadeesha K.** from final year AI, secured two gold medals and one silver in the VTU State-Level Athletic Meet and participated twice in the "**Mangalore Zonal Kho-Kho Tournament**"



- **Maniskanda D. K.** from final year AI, participated in "**VTU state-level athletics**" three times, securing a silver medal, and also competed in the VTU "**Mangalore Zonal Kho-Kho Tournament**".
- **Mr. Preethesh** from final year AIML, successfully completed the "**Postman API Fundamentals Student Expert Program**", attended "**DevFest 2024**" organized by Google, and participated in "**Hackathon 2K23**", conducted by the Department of AI in collaboration with IEEE VCET Student Branch and IEEE Mangalore Subsection.
- **Ms. Trisha Rai** from final year AI, has been a finalist in the "**Women@Work Project Idea Pitching Competition**", competing against 70 teams, showcasing her innovative ideas and strong presentation skills.



- **Mr. Dhanush Kumar N** from final year AI, served as the **Student Representative of IEEE Mangalore Subsection** in 2024 and participated in events like "**Google Community Day 2024**", "**DevFest 2024**", the FOSS United Meet-Up in Mangalore, and the "**Bangalore Technology Conclave 2023**". He has also completed the "**Postman API Fundamentals Student Expert Program**".
- **Ms. Poojari Nishitha Narayana** from final year AI, participated in "**CreaTech 2024 by Larsen and Toubro**" and completed the "**Postman API Fundamentals Student Expert Program**" & "**TCS iON Career Edge - Young Professional course**".
- **Mr. Vilas D** from final year AI, completed a 1-month online "**IoT Application Development internship**" and a 2-month online "**Web Development internship**". He has also attended "**Google Community Day 2024**".
- **Ms. Sanjana S. Naik** from final year AI, participated in "**Hackathon 2k23**", organized by the Department of AI in association with IEEE VCET Student Branch and IEEE Mangalore Subsection. She also secured 98.94% in the "**Naukri Campus Young Turks competition**" and is a scholarship recipient of the "**IEEE WIE India Philanthropy**", funded by Quest Global CSR,

- **Mr. Shashanka B S** from final year AI, participated in the “**Startup Challenge under Project Code Unnati**” and secured seed funding
- **Mr. Preetham Rao**, from 3rd-year AI, secured second place in the “**Movidea: Videography Competition**” at the Incredia'24 event held at NMAM Institute of Technology.
- **Mr. Balasubramanya** from 3rd-year AI secured first place in “**Codebuzz**” at Ramotsava and first place in “**We Verses AI**” at Unbounded, achieved second place in the “**Innovation**” competition conducted by Dayananda College of Engineering and Technology, Bangalore, participated in “**HAKOTSAVA**” conducted by SMVITM, Udupi; “**SSH Hackathon**” conducted by IEEE; “**Sankalp'2024**” Hackathon conducted by AJIT and “**Samanvya IEEE R10**” Hackathon held at Dayananda College of Engineering and Technology.
- **Ms. Athmi A G** from 3rd-year AI secured first place in “**We Verses AI**” at Unbounded 2024 and second place in the “**Reverse Coding**” competition at “**Yugantar**”. She participated in “**SSH Hackathon**” conducted by IEEE, “**Sankalp'2024 Hackathon**” conducted by A.J. Institute of Engineering and Technology, “**CODEFURY 7.0**” hosted by IEEE UVCE Computer Society, and “**SRISHTI 2024**” held at Atria Institute of Technology, Hebbal, Bengaluru.
- **Mr. Adithya Ashok Sapalya** from 3rd-year AI secured first place in “**Poster Making and Presentation on Pioneering Women's Safety and Empowerment at IEEE WEEK Day**” by IEEE VCET SB, achieved 2nd place in “**Tech Samvada at Yugantar'24**”, participated in “**HACKOTSAVA**” conducted by SMVITM, Udupi, ranked 10th in the “**IEEE R10 Ethics Awareness and Advancement Contest**” across the Bangalore Section, and successfully completed the “**Postman API Literacy Program**” along with two student projects at NITK
- **Mr. Akshay Kumar**, from 3rd-year AI, secured first place in the “**Meme Mania**” competition at the “**Yugantar**” event organized by the Department of AIML, VCET, Puttur.
- **Mr. M.D. Keerthan Kumar**, from 3rd-year AI, secured first place in both the “**Essay Prathiba**” and “**Technophilia**” competitions at the Yugantar event organized by the Department of AI, VCET, Puttur.
- **Mr. Sai Suman**, from 3rd-year AI, secured second place in the “**Ultimate AD Challenge**” competition at the “**Yugantar**” event organized by the Department of AI, VCET, Puttur.
- **Ms. Sanika**, from 3rd-year AI, secured first place in the “**Ultimate AD Challenge**” competition at the “**Yugantar**” event organized by the Department of AI, VCET, Puttur.
- **Ms. Meghana K.N.** and **Ms. Thrisha Rai**, from 3rd-year AI, secured second place in the “**Tulu Teriva**” competition at the “**Yugantar**” event organized by the Department of AI, VCET, Puttur.
- **Mr. Mahesh P k** from 3rd year-AI secured first place in “**Codebuzz**” Ramotsava Event.
- **Ms. Akhila Karuvaje** from 3rd year-AI secured second place in “**Reverse Coding,**” competition at the “**Yugantar**” event organized by the Department of AIML, VCET, Puttur.

Our students Placed During the Campus Recruitment 2023-24



SHREESHA P
TCS PRIME



ABHISHEK SHARMA P
EPIANCE



PRANAV RAO
7 EDGE



SHAILESH B V
GINGER MEDIA



SNEHA B
GINGER MEDIA

Hearty Congratulations



BHEEMIAIAH M B
STATE STREET



MEGHASHREE
APNA TIME TECH PVT LTD



KARTHIK
ELEWAYTE



SUCHITHRA
TCS NINJA



DHRITHI D K
CAPGEMINI