

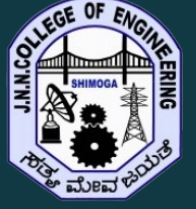


National Education Society(R.)

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**Jawaharlal Nehru New College of
Engineering**

Shivamogga - 577204



Approved by AICTE, New Delhi, certified by UGC 2f & 12B, Accredited by NAAC - 'B',
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AIML MATTERS

Newsletter



May - June 2023

**Department Of Artificial Intelligence
& Machine learning**

Email : hod_aiml@jnnce.ac.in

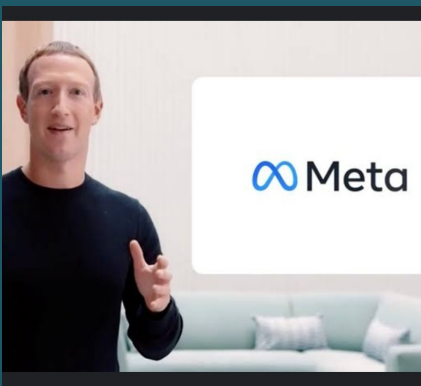
Issue 5
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Dept. Of AI&ML

AIML NEWS

FLASH

- Preface -



- **Generative AI:**

Generative AI (GenAI) is a type of Artificial Intelligence that can create a wide variety of data, such as images, videos, audio, text, and 3D models. It does this by learning patterns from existing data, then using this knowledge to generate new and unique outputs. GenAI is capable of producing highly realistic and complex content that mimics human creativity, making it a valuable tool for many industries such as gaming, entertainment, and product design.

- **Meta AI:**

Meta AI is an artificial intelligence laboratory that belongs to Meta Platforms Inc. Meta AI intends to develop various forms of artificial intelligence, improving augmented and artificial reality technologies. Meta AI is an academic research laboratory focused on generating knowledge for the AI community. It was founded by Mark Zuckerberg, in the year 2015. Company's vision is to help bring the metaverse to life, so we are changing our name to reflect our commitment to this future.

"Intelligence is the ability to adapt to change!!"

- Stephen Hawking



FACULTY'S DESK

Dr. Chetan K R

(Professor and Head of Department)

Dr. Chetan K. R. has applied for 2 patents, which have been approved for publication. The patents are also under consideration for grant. And also applied for funding of Rs. 40 lakhs from VGST under the Grant for Research Excellence (GRE) on applications of AI for termite species classification. And they have also completed a certification course on DevOps.



Dr. Ashwini J P

(Associate Professor)

Dr. Ashwini J P has Published paper "Framework for Performance Enhancement of MPI based Application on Cloud" in Journal Scalable Computing: Practice and Experience, Volume 24 in April 2023.



Mr. Syed Johar

(Assistant Professor)

Manuscript "Survey of various machine learning techniques for analyzing IoMT based Remote Patient Monitoring System" presented during In: Proc. Of the International Conference on Advances in Data Science and Computing Technologies(ADSC-2022) ,Kazi Nazrul University, West Bengal has been considered for publication at Springer Scopus Indexed LNEE series. <https://link.springer.com/book/9789819936557>



JANVEY 2k23



Our college fest, Janvey 2k23, was a memorable event, and this year, our AIML department had its first and special debut in the college flashmob with two incredible performances. The first was a mesmerizing group dance where AIML students showcased their talent with synchronized movements and captivating choreography. The second performance was a soulful group song that resonated with the audience. Both performances demonstrated the perfect fusion of technology and artistry, leaving the audience in awe. The AIML department's participation in the flashmob not only showcased their skills but also highlighted the growing influence of AI in various fields. It was an unforgettable moment in the history of our college fest.



PHOTO BOOTH

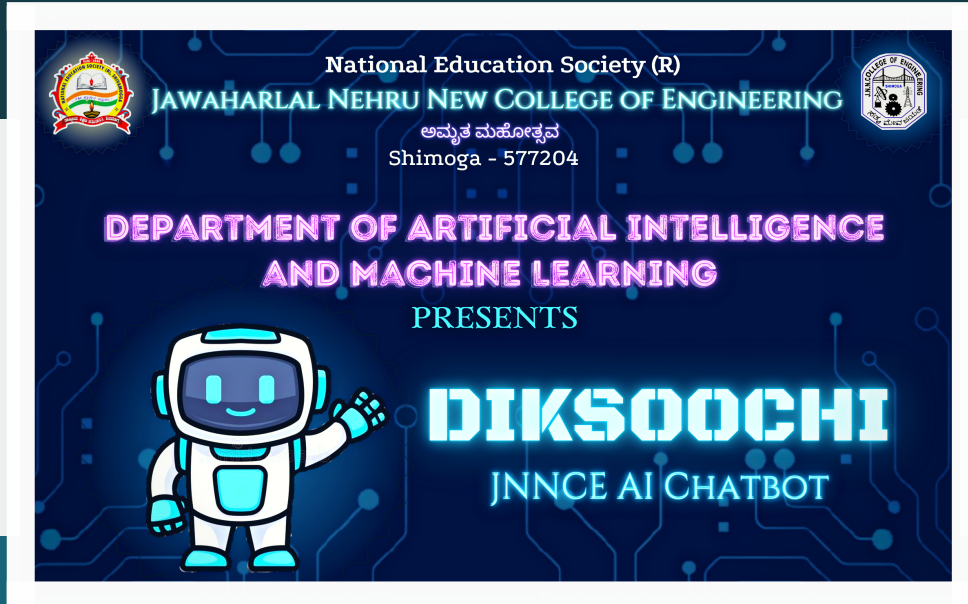


The department is filled with pride as we acknowledge the remarkable achievement of a group of students who created an exceptional photo booth as part of the JANVEY Event. Their efforts and dedication have not only resulted in a remarkable creation but have also brought great recognition to the department. As a result of their outstanding work, they were awarded the second prize, which is a testament to their talent and hard work. We extend our heartfelt congratulations to all the students who were involved in the creation of this photo booth. Their collaborative efforts, creativity, and technical skills have led to the development of a wonderful photo booth.

We appreciate the work of following students in giving it a proper shape:

Apoorva D, Ananya Indudhara, Krutharth E K, Nithin kumar S N, Pratham K Gujjar, Sujal S D, Sujan K M, Bhuvan S M, Hitesh K, Deshmanth A, H M Satvik, Rachana R, Amruthavani H V from 4th semester and Khushan Gowda , Prajwal R Kolekar, Rakesh S, Kishan B, Indraja S from 2nd semester.

- DIKSOOCHI - THE JNNCE AI CHATBOT



The grand event of NES commemorated its momentous 75th anniversary as NES Amrutha Mahotsava, featuring a remarkable technical expo where various colleges, schools, and departments gathered to showcase their innovative models and projects. Students of AIML department made a remark by presenting an exceptional creation: our college chatbot named Diksoochi. Diksoochi stood out among the array of exhibits. The chatbot's seamless integration of artificial intelligence and machine learning left a lasting impression, demonstrating the department's expertise in harnessing technology for practical applications. Diksoochi's presence at the event was a testament to the AIML department's dedication to innovation and their valuable contributions to the field. The appreciation received for the chatbot's performance was well-deserved, as it showcased the department's commitment to pushing the boundaries of AI. Special appreciation for the students who presented the college chatbot, Diksoochi, exceptionally well.



AI NEWS

Presentation by Krutharth Jain E K on 24.02.2023

SPOT - THE AGILE MOBILE ROBOT



Spot is a compact, nimble four-legged robot that can trot around your office, home, or outdoors. It can map its environment, sense and avoid obstacles, climb stairs, and open doors. It can also fetch you a drink. This robot that navigates terrain with unprecedented mobility, allowing you to automate routine inspection tasks and data capture safely, accurately, and frequently.

In June 2020, Boston Dynamics launched sales of its first commercial robot, Spot, an agile mobile robot with a wide range of applications in the modern world. Boston Dynamics' quadruped robot Spot has become one of the most renowned examples of autonomous robotics, used in industries ranging from oil and gas to security, search and rescue and even construction

Presentation by Hithesh K on 03.03.2023

CLINICAL USAGE OF AIML IN FIELD OF ONCOLOGY

Artificial intelligence and machine learning (AIML) have greatly impacted oncology. AIML techniques are widely used in diagnosing cancer, creating personalized treatment plans, and predicting outcomes. By analyzing patient data like medical images and genetic profiles, AIML algorithms can accurately detect tumors, classify cancer types, and recommend tailored treatments.

Additionally, AIML aids in research by identifying biomarkers and accelerating drug development. While AIML complements healthcare professionals, it enhances decision-making and improves patient care in oncology. As AIML continues to evolve and integrate into clinical practice, it holds tremendous promise for revolutionizing oncology and driving advancements in precision medicine for cancer patients.





Priyanka Ashwath
- Pencil sketch



Nithinkumar S N
- Pencil sketch



Apoorva D
- Pencil sketch

OUR WORKS



Interesting Facts and Stuffs !!

- >> In 2019, IBM AI machine called Debater lost to a top-ranked human debater, Harish Natarajan.
- >> According to a study by Bespoken, Google's AI far excelled that of Alexa and Siri.
- >> AI-enabled voice assistants will not be female by default anymore.

Fun facts !!

Studies show that most of the population prefer the sound of a female voice over a male voice. It is because if you ask voice assistants like Alexa, Siri a question, you will be answered by a pleasant and polite woman's voice.



Edited by :
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Nithin Kumar S N

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