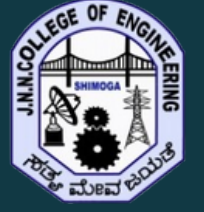




National Education Society(R.)
ಅಮೃತ ಮಹೋತ್ಸವ
Jawaharlal Nehru New
College of Engineering



Shivamogga - 577204

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

Newsletter



January 2023

Department Of Artificial Intelligence
& Machine learning

Email : hod_aiml@jnnce.ac.in

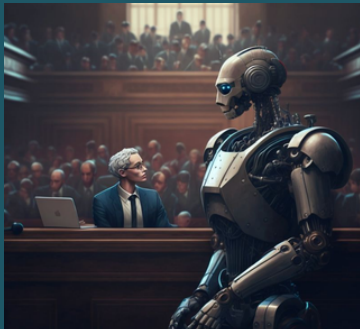
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Dept. Of AI&ML

AIML NEWS

FLASH

- Preface -



- **"World's First Robot Lawyer" To Make History Defending A Client In Court.**

An Artificial Intelligence (AI) lawyer is gearing up to make history as the first AI to defend a case in court. Dubbed the world's first "robot lawyer", the bot will give prompts to the defendant on how to best argue their case against a speeding ticket when the hearing takes place next month.

- **Research Identifies Clinician Support for AI Use in Musculoskeletal Care.**

A new study found that clinicians are in favor of using AI in healthcare generally and, more specifically, in musculoskeletal care.

**"PREDICTING THE FUTURE ISN'T MAGIC,
IT'S ARTIFICIAL INTELLIGENCE"**

- DAVE WATERS



FACULTY'S DESK

About NES :

In 1946, Shivamogga city witnessed the beginning of a new era in the field of education as it marked the beginning of our National Education Society. Influenced by the words of Mahatma Gandhi, the Father of our Nation who stressed the need for quality rural education and development of women education, National Education Society was established by some Senior Freedom fighters and public of Shivamogga. The Society famously called NES is celebrating the completion of 75 years with many activities under the banner "AMRUTHA MAHOTASAVA".

In the long span of 75 years, NES is running around 40 educational institutes and around 1000 employees are sheltered under this huge tree. We are very happy and blessed to be a part such great heritage and wish to take it to the new heights..

Dr. Chetan K R , Professor and Head of Department

Dr. Chetan K R delivered a day long session on "Supervised Machine Learning" as a resource person for three days workshop on "Artificial Intelligence and Machine Learning" on 3rd, 4th and 5th January 2023, organized by Department of CS & BIET.

Dr. Ashwini J P , Associate Professor

has published a Journal/Newsletter under GIS Science Journal Publication about study on 'Artificial Intelligence Technology in Education and it's incorporation of learning Psychology principle' with Co-author Shreedevi S at International level.

Dr. Syed Johar , Assistant Professor

has actively participated in the Five Day Faculty Development Program [online] on "SCILAB as per 2021 Scheme" in association with ISLE, from 17th - 21st October 2022, Organized by Department of Electrical and Electronics Engineering, GSSSIETW, Mysuru.



INAUGURATION PROGRAM

As Majority of the IT companies are looking for skilled engineers in the area of Artificial Intelligence and Machine learning, Vishweshwarayya Technological University, Belagavi introduced a new branch of Artificial Intelligence and Machine learning in the year 2020. The branch was introduced in JNNCE in the year 2021.

After waiting for an year for our first batch of JNNCE-AIML Students to enter the department, we formally inaugurated the department on 17th of December. NES former president Sri A S Vishwanath and present president Sri G S Narayan Rao jointly inaugurated the department.



GLIMPSE OF INAUGURATION PROGRAM





The ceremony was marked by the presence of Dr. Deepthi K Prasad, Sri G S Narayan Rao , Sri C R Nagaraj, Sri S N Nagaraj, Dr. P Narayan, Sri D G Ramesh , Sri A S Vishwanath, Dr. K Nagendra Prasad, Dean academic, HOD's , Faculty, staff and parents. We thank our beloved Principle for being a support in conduction of this Ceremony.



#Batch2k21-2k25



We, the first batch of Department of Artificial Intelligence and Machine learning Students are happy to be part of this wonderful institute JNNCE. We sometimes feel the lack of seniors but we also enjoy the independence in setting a new culture for our department. Although there is no one to give us freshers party, we were privileged to arrange Inauguration ceremony of our department. We take the pledge to leave our mark and make that for years to come, Department of AIML Students will follow the tradition set-up by us.

EXPERT'S TALK



Dr Chethan K R (Professor and HOD AIML dept.)

Dr. Chetan K R delivered a talk on "OOPS- Concepts and Applications" on 27-12-2022 to the students as a pre-requisite for Java programming Laboratory. A quiz was also conducted using an APP developed by the department. QR code for the APP.

An expert talk on "Professional Networking using LinkedIn and Professional coding" using Hacker Rank platform was conducted on 10-01-2023. JNNCE Email IDs were created for all students and students were informed to create a LinkedIn account using it. Further a hacker rank programming contest was hosted.

Mr. Deepak Venkatesh (Principle Consultant , Infosys)

On 20th of December 2022, Mr Deepak Venkatesh who is a Principal Consultant in Infosys, Melbourne, Australia was invited to deliver a talk on topic ' Future Ready Starts Now '.

He gave a speech regarding to carrier development of a Student in fields of IT specifically on how AI could be implemented on IT sectors. He also spoke about how IT companies try to fetch students of engineering and also provided some tips to make ease of interviews.



Dr. Deepthi K Prasad (Manager , Forus Healthcare Private Ltd)

Deepthi K. Prasad holds a Ph.D. degree in Computer science engineering from VTU. Her doctoral research focused on developing innovative methodologies for the early detection and classification of ophthalmic diseases using image processing and data mining techniques. Deepthi has an overall experience of 19 years which include academic experience of over 10 years, overall research experience of 5 years. Deepthi has been a peer reviewer of international conference held by Springer and has reviewed over 20 manuscripts.

On 17th of December 2022 , she delivered a speech on "Medical Image Analysis: A healthcare industry perspective". Her primary research interest is in developing applications and tools using image processing and deep learning techniques for the early detection & classification of Systemic diseases and various ophthalmic diseases like glaucoma, Diabetic retinopathy, Macular edema, and Age-related macular degeneration.



AI NEWS



Presentation by Srujan Y S on 23.12.2022

JARVIS - HOME ASSISTANT

JARVIS. (Just A Rather Very Intelligent System) is a fictional character voiced by Paul Bettany in the Marvel Cinematic Universe (MCU) film franchise, based on the Marvel Comics characters Edwin Jarvis and H.O.M.E.R., respectively the household butler of the Stark family and another AI designed by Stark.

J.A.R.V.I.S. is an artificial intelligence created by Tony Stark, who later controls his Iron Man and Hulkbuster armor for him. J.A.R.V.I.S. is given physical form as Vision, physically portrayed by Bettany. Different versions of the character also appear in comics published by Marvel Comics, depicted as AI designed by Iron Man and Nadia van Dyne.

Presentation by Syeda Hurrain on 23.12.2022

ECTOLIFE - THE ARTIFICIAL WOMB

EctoLife' can grow around 30.000 babies yearly because of extensive and groundbreaking scientific research of over 50 years. It is for infertile parents who cannot have their own offspring You can use the "Elite Package," which would let you engineer the embryo genetically before they implant it into an artificial womb. You can choose intelligence, height, strength, hair, eye color, etc., and avoid genetic diseases.

Hashem says EctoLife is entirely powered by renewable energy and is the first artificial womb facility in the world. The World Health Organization (WHO) reports that around 300,000 deaths happen due to pregnancy complications. EctoLife will help reduce human suffering and reduce C-sections.

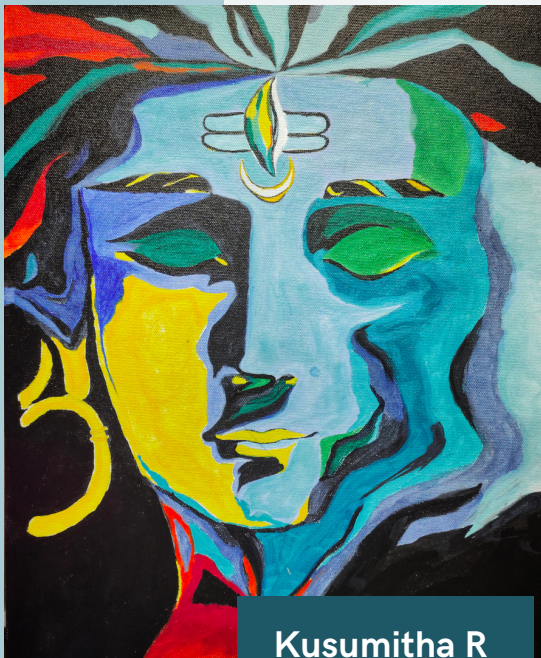


Presentation by Sathwik P on 23.12.2022

AI based SEED CONTROL

Blue River focuses on applying machine learning, robotics, and computer vision technology to agricultural equipment that will in turn help farmers in making better decisions. Their primary product. See & Spray. uses computer vision, machine learning, and advanced robotic technology to distinguish between crops and weeds-and then spraying only the weeds. Agriculture spraying drone can replace the traditional pesticide sprayer and it's speed is 40times of the traditional sprayer. It will save 90% water and 30%-40% pesticide. Small droplet diameter make the pesticide more well-distribute and improve the effect.

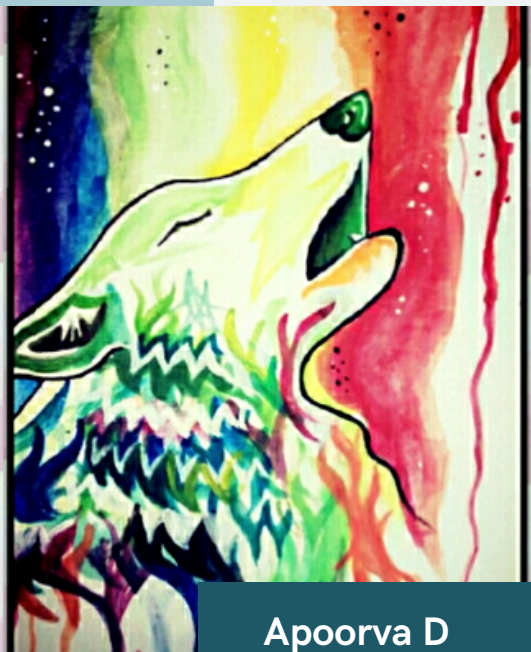




Kusumitha R



Nithin Kumar S N



Apoorva D

OUR WORKS



Interesting Facts and Stuffs !!

>> Back in 2014, Kolibree claimed to have invented the first AI-powered toothbrush, unveiling their device known as Ara in 2017.

>> Everyone from Microsoft, IBM, and Amazon all use 'emotional recognition'; algorithms which infer how people feel based on facial recognition.

Fun facts !!

" Every iPhone advertisement has the time set to 9:41. " Every advertisement for an Apple iPhone, the time will be set as 9:41. This is the time that Steve Jobs announced the very first iPhone in 2007.



Edited by :
Apoorva D
Nithin Kumar S N

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