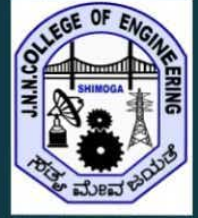




National Education Society(R.)  
**Jawaharlal Nehru National  
College of Engineering**  
Shivamogga - 577204



Approved by AICTE, New Delhi, certified by UGC 2f & 12B, Accredited by NAAC - 'B',  
Recognized by Govt. Of Karnataka & affiliated to VTU

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# AIML MATTERS

Newsletter

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December 2022

**Department Of Artificial Intelligence  
& Machine learning**

Email : [hod\\_aiml@jnncce.ac.in](mailto:hod_aiml@jnncce.ac.in)

Issue 1  
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# Dept. Of AI&ML

# AIML MATTERS

## Preface

AI and ML is one of the most disruptive technologies impacting the future of every industry and mankind. AI driven technology has been instrumental in reinventing human lifestyle and demand for engineers trained in these technologies is rapidly growing. This program produces skilled engineers which could open the doors to an exciting career.

This program equips the students to build novel applications using technologies like IoT, Neural Networks, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Semantic Web etc. Students will get good foundations of all AI and ML techniques and at the same time ample opportunity for developing projects and applications. Center of Excellences with reputed companies shall create industrial internships for students and make them industry ready

AI, also known as "Artificial Intelligence" is the science of making machines think. It's the science of building something that mimics human intelligence and has the ability to learn. It draws on knowledge from many fields, including philosophy, psychology, electrical engineering, neuroscience and sociology. AI And Machine Learning are two different approaches to artificial intelligence. AI, as a whole, refers to the way in which computers act in the world around them. Machine learning refers to the ability of a computer to learn, grow and improve itself based on its inputs and make decisions based upon those inputs.





# From HOD's desk :

AI and ML is one of the most disruptive technologies impacting the future of every industry and mankind. AI driven technology has been instrumental in reinventing human lifestyle and demand for engineers trained in these technologies is rapidly growing.

This program produces skilled engineers which could open the doors to an exciting career. Our department shall equip the students to build novel applications using technologies like IoT, Neural Networks, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Semantic Web etc. We intend to embed students with good foundations of all AI and ML techniques and at the same time provide ample opportunity for developing projects and applications.

We aim to foster Center of Excellences with reputed companies for industrial internships for students and make them industry ready. The progress towards these goals and objectives are captured in our Newsletter, where activities conducted by the Dept, articles and technological innovations shall be added. Newsletter shall get rich with each edition. I congratulate the entire editing team for getting it done in a short span and bring it in an excellent format.



**Dr. Chetan K R**

**Professor and Head,  
HOD of Artificial  
Intelligence and Machine  
learning Department.**

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# INTERNSHIP PROGRAM

The National Educational Policy (NEP) has made internships a mandatory component in the engineering curriculum. As the first part, 3 weeks of intra-institute internship was conducted by the college and department from 10th October 2022 to 29th October 2022. First week, students learned about soft skills, group discussions and aptitude.

Last two weeks, department of AIML conducted sessions on C programming skills, networking tools and security challenges of networking. Two hackathons were conducted as part of this training. A half-a day session about stress management and meditation techniques was also conducted as part of this internship.



## GLIMPSE OF NEP INTERNSHIP PROGRAM







On 29th October 2022, a formal valedictory function was organized in the presence of Dr. K. Nagendra Prasad, Principal, JNNCE and Dr. Manjunatha P, Dean Academic, JNNCE.

## GLIMPSE OF NEP INTERNSHIP PROGRAM





# PROJECTS

 <p><b>TEAM MEMBERS</b> AMRUTHAVANI H V (AJN21A004), ACHYUTHA T (AJN21A005), RACHANA R (AJN21A009), ANANYA A (AJN21A005), KUSUMITHA R (AJN21A025)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Board Cleaner</p> 	 <p><b>TEAM MEMBERS</b> PRATHAM K GULLAR (AJN21A026), HARIS HUSAIN KHAN H S(AJN21A018), NITHIN KUMAR S N (AJN21A020)</p> <p><b>PROJECT TITLE</b> Implementation of a B2B Chatbot</p> 	 <p><b>TEAM MEMBERS</b> KRUTHARTH JAIN E K (AJN21A023), H M SATVIK (AJN21A017), APOORVA D (AJN21A009), ANANYA INDUCHARA(AJN21A006)</p> <p><b>PROJECT TITLE</b> Implementation of Smart LED Boards</p> 	 <p><b>TEAM MEMBERS</b> ANUSHA P KANALE (AJN21A007), HIMANI M R (AJN21A019), PRIYANKA ASHWATH (AJN21A037), KISHAMA JOIS U S (AJN21A024)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Pigeon Repellers</p> 	 <p><b>TEAM MEMBERS</b> SAMARTH C (AJN21A041), NAVANEETH V MUNAVALLI (AJN21A029), N PRAVEEN KUMAR (AJN21A036), PRABATH CHANDRASEKHAR BHAT (AJN21A033), TEJAS D N (AJN21A058)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Room Fresheners</p> 
 <p><b>TEAM MEMBERS</b> DHANALAKSHMI C (AJN21A016), J K KRUTHI (AJN21A021), LAVANYA S (AJN21A026), BRINDA P (AJN21A013)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Fan Speed Controllers</p> 	 <p><b>TEAM MEMBERS</b> AYESHA SIDDIQA (AJN21A011), YOGESHWARI M (AJN21A006), SYEDA HURRAIN FATHIMA (AJN21A053)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Locks</p> 	 <p><b>AI INNOVATORS</b></p> <p>WORK HARD IN SILENCE LET YOUR SUCCESS BE THE NOISE</p>		 <p><b>TEAM MEMBERS</b> PRATHAM K GULLAR (AJN21A026), HARIS HUSAIN KHAN H S(AJN21A018), NITHIN KUMAR S N (AJN21A020)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Attendance</p> 
 <p><b>TEAM MEMBERS</b> TARUN K HILLOO (AJN21A055), VINOD S L (AJN21A062), PUNEETH A S(AJN21A038), ABHISHEK BADIGER (AJN21A005)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Floor Cleaner</p> 	 <p><b>TEAM MEMBERS</b> TANISHA GUPTA SYAM HOSSAIN (AJN21A048), VARSHA A S (AJN21A007), SHANTIKA THIRAPPA HEGDE (AJN21A048), SOFIA SARANI ASIF (AJN21A048), SULTAN S (AJN21A051), SONALI G DUBASHI (AJN21A008)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Gardening</p> 	 <p><b>TEAM MEMBERS</b> SHREYA N K (AJN21A043), SHANAJI V (AJN21A045), SANJANA M (AJN21A042), CHANDANA V H (AJN21A014)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Switch Operator</p> 	 <p><b>TEAM MEMBERS</b> VEERENDRA K BELMARI (AJN21A050), BRUJAN Y S (AJN21A050), ARGAM ZAKIRYA (AJN21A010), SATHVIK P (AJN21A042)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Notice Boards</p> 	 <p><b>TEAM MEMBERS</b> VINEETHA RAJAJAYASRI, VARSHA M V(AJN21A058), PRARTHANA T S(AJN21A034), SAISHRI B L(AJN21A048)</p> <p><b>PROJECT TITLE</b> Implementation of Smart Vending Machine</p> 

Department of Artificial Intelligence and Machine Learning, JNN College of Engineering, Shivamogga

The department of AIML always encourages students to learn the new technology and tools beyond the course material. We have students working on many hobby projects related to Artificial Intelligence and Machine Learning concepts which will be helpful for the JNNCE community.



# ACTIVITIES



Presentation by Pratham K Gujjar on 18.11.2022

## SELF DRIVING CARS

Self-driving cars can drive itself to a destination without any human intervention. The technology used in the operation of the self driving cars are concept of Machine learning and Radars and Lidars.

AI has helped both consumers and the manufacturers. The companies use the concept of Big Data where they not only enhance the products that they manufacture, but also use this data for Digital Marketing. The main motive was that AI as a new technology can be used in existing convention products to advanced products

Presentation by Nithin Kumar S N on 18.11.2022

## EMO ROBOT PET:

Emo is the newest AI product in town, packaged as an adorable desktop pet that keeps you company anywhere anytime. Emo has been provided with a true sense of a living pet by using Artificial intelligence technology by a group of AI developers named LivingAI.

Emo can sense , feel , and also react to some certain feeling just like a real pet. Apart from these, emo is mainly recognised as a stress buster . Unlike any other pets , it can dance , play games with you , take a picture, play music , and many other stuffs which would be interactive and busts your stress out



Presentation by Kruthi J K on 02.12.2022

## AGRICULTURAL DRONES

Drones are farmally known as unmanned aerial vehicle which is essentially a flying. In Current scenario it is also being used for surveillance, traffic monitoring, weather monitoring etc.

There are many ways drones can be useful to farmers but it is important to understand their limitations and functions before investing in expensive equipment.



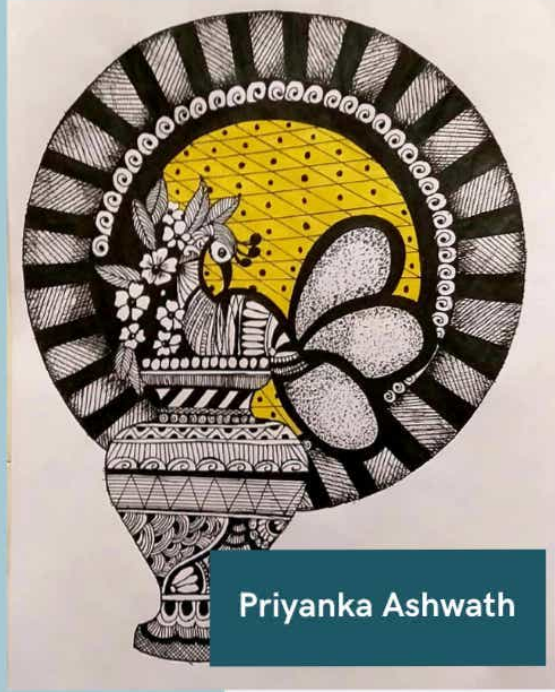


Nithin Kumar S N



Apoorva D

# OUR WORKS



Priyanka Ashwath



## Interesting Facts and Stuffs !!

- >> Alphabet's Google and Nvidia are two of the world's top most innovative AI companies.
- >> According to a study by Bespoken, Google's AI far excelled that of Alexa and Siri.
- >> An AI algorithm was able to detect an Ebola outbreak more than a week before it was announced by the World Health Organization.

## Fun facts !!

"The Firefox logo isn't a fox ,It's actually a red panda. It's a common misbelief that the Firefox logo is a fox (I mean... it is in the name), but it is actually a red panda!"