

AI INSIGHTS

NEWSLETTER OF CSE (AI&ML) DEPARTMENT



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2023
VOL 2 - ISSUE 1

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INSTITUTE

Vision

To continually develop excellent professionals capable of providing sustainable solutions to challenging problems in their fields and prove responsible global citizens.

Mission

We wish to serve the nation by becoming a reputed deemed university for providing value-based professional education.

DEPARTMENT

Vision

To emerge as a center of learning, to produce industry-ready, Research and values-based professionals in the field of AI&ML.

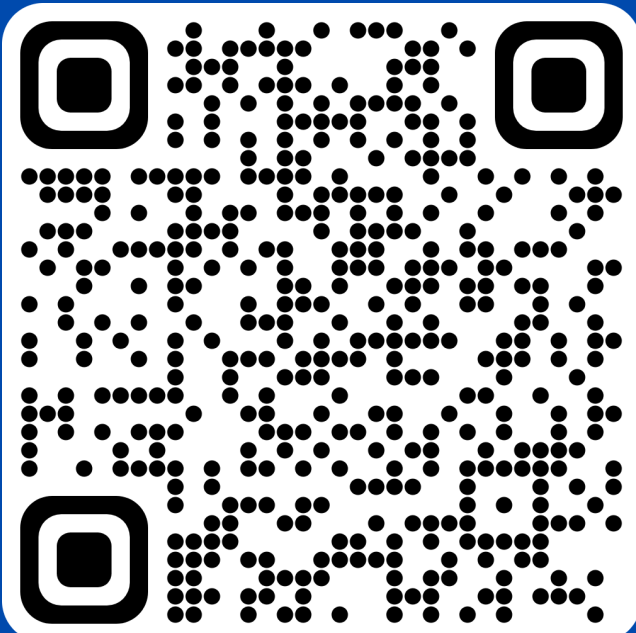
Mission

M1: To inculcate the latest technical knowledge in the field of AI&ML.

M2: To enhance and demonstrate soft and leadership skills in a multidisciplinary environment.

M3: To develop professional ethics for sustainable development of the environment and society.

CONTENTS



- 03 | MESSAGE FROM OUR MENTORS
- 04 | FACULTY ACHIEVEMENTS
- 06 | DEPARTMENTAL ACHIEVEMENTS
- 07 | DEPARTMENTAL ACTIVITIES
- 08 | CLUB ACTIVITIES
- 09 | PLACEMENTS RESULTS
- 10 | STUDENTS ACHIEVEMENTS
- 12 | ABOUT CLUBS NEWS AND GOOGLE REVIEWS

Message From Our Mentors



“Our mission is to empower our students and guide them towards a path of unparalleled success and excellence.”



Dr. B. C. Sharma
Director, RKGIT

I congratulate to the Computer Science & Engineering (Artificial Intelligence & Machine Learning) department on the release of the Vol 2 - Issue 1 of their newsletter, AI INSIGHTS! Your dedication and teamwork have led to remarkable successes in various areas. From excelling in academics and project work to actively participating in club activities, your students have showcased outstanding overall development.

It's inspiring to see such great achievements across the board. Keep up the excellent work, and I'm confident that your department will continue to thrive in the future!

Welcome to the start of another promising semester in the CSE-AI&ML Department! As the head of the department, I am excited to see both returning students and new faces joining our vibrant community. Our department is committed to fostering innovation and excellence in the fields of Artificial Intelligence and Machine Learning.

This semester, we have planned an array of engaging activities, including lectures, workshops, projects, and research initiatives, designed to challenge and inspire you. I encourage each of you to make the most of the resources available, seek guidance from our esteemed faculty, and actively participate in our community. Together, let's embark on this journey of learning, discovery, and growth, and make it a truly memorable and rewarding experience.



Dr. Vinish Kumar
*Professor & HOD
CSE (AI&ML), RKGIT*

Faculty Achievements



Dr. Vinish Kumar
Professor & HOD
CSE (AI&ML), RKGIT

- Presented research paper on “**Enhancing Accuracy and Efficiency in Diabetic Retinopathy Detection: A Deep Learning Framework for Fundus Image Analysis**” in International Conference (ICACIT-2023) on 09th Dec 2023.
- Presented research paper on “**Improving Automated Diagnosis of Diabetic Retinopathy: Exploring the Influence of Segmented Retinal Blood Vessel Images through Deep Learning**” in International Conference (ICACIT-2023) on 09th Dec 2023.
- Presented Paper “**Colorization of Grayscale Using Neural Network Without User Intervention**” in International Conference (AECE) on 23rd Nov 2023.
- Presented paper on “**Implementing Market Basket Analysis Using Eclat And Apriori Algorithm On Grocery Product Marketing Strategy** in International Conference (AECE) on 23rd Nov 2023.
- Completed **IBM Coursera Certification on Exploratory Data Analysis for Machine Learning** on 18th Nov 2023.
- **Reviewer** in AECE-2023 (Technically Co-Sponsored by IEEE UP section).

- Presented paper on **Ranking of Requirement of an Information System using fuzzy Topsis with Incomplete Preference Relations** in International Conference in ISMS 2023 on 24th Dec 2023.
- Published Paper “**A mathematical model for the selection of software requirements elicitation techniques** in International Conference at CCDSE(CONFLUENCE 2024) on 19th Dec 2023.
- Presented Paper “**Software Requirements Prioritization using fuzzy based TOPSIS Methods** at ICBDA-2023 in 08th Dec 2023.
- Completed Course “**IBM Coursera Certification on Exploratory Data Analysis for Machine Learning** on 18th Nov 2023.
- Attended Webinar Series on “**5 G- 6 G Talks**” in collaboration with E&ICT Academy, IIT Guwahati on 08th Dec 2023.
- Act as **Key Note Speaker on SDLC models at IIISC**, New Delhi on 16th July 2023.



Mr. Virat Raj
Assistant Professor
CSE (AI&ML), RKGIT



Ms. Mahima Tayal
Assistant Professor
CSE (AI&ML), RKGIT

- Presented research paper on “**Enhancing Accuracy and Efficiency in Diabetic Retinopathy Detection: A Deep Learning Framework for Fundus Image Analysis**” in International Conference (ICACIT-2023) on 09th Dec 2023.
- Presented research paper on “**Improving Automated Diagnosis of Diabetic Retinopathy: Exploring the Influence of Segmented Retinal Blood Vessel Images through Deep Learning**” in International Conference (ICACIT-2023) on 09th Dec 2023.
- Attended **IBM Coursera Certification on Exploratory Data Analysis for Machine Learning** on 18th Nov 2023.
- Attended Webinar Series on “**5 G- 6 G Talks**” in collaboration with E&ICT Academy, IIT Guwahati on 08th Dec 2023.

Faculty Achievements



Mr. Vikas Gupta
Assistant Professor
CSE (AI&ML), RKGIT

- Attended online FDP on **"The Power of Positivity approach in Teaching and learning system of cultural and transformation"** by HCAS from 19th Sep to 26th Sep.
- Completed **IBM Coursera Certification on Exploratory Data Analysis** for Machine Learning on 18th Nov 2023.
- Attended 3 days offline FDP on **"Human Value on Technical Education"** organized by AICTE from 28th Dec to 30th Dec 2023.
- Attended online FDP of 1 week on **"IOT with Machine learning"** by Pentech from 27th Nov to 2nd Dec 2023.



Mr. Neeraj Kumar
Assistant Professor
CSE (AI&ML), RKGIT

- Presented Paper on **"Congestion Analysis of Finite Tandem Queueing Network"** **AECE – 2023**, RKGIT, Ghaziabad on 24th Nov 2023.
- Presented Paper on **"Dynamic Restoration and Reliability Analysis in Computing Networks with Heterogeneous Administrators"** in **(ICMTEA2023)**, Graphic Era University, Dehradun on 1st Dec 2023 onwards.
- **IBM Coursera Certification on Exploratory Data Analysis** for Machine Learning on 18th Nov 2023.



Ms. Arundhati Walia
Assistant Professor
CSE (AI&ML), RKGIT

- Presented paper on **Personalised content Based Recommendation Model for Cardiovascular Disease Prevention** in **ICAIT-2023, Samarkhand state University, Uzbekistan** on 3rd Nov 2023.
- Attended Workshop on **Full stack Development** by **Pantech E-Learning** from 11th Dec 2023 to 10th Jan 2024.



Ms. Shalu Tyagi
Assistant Professor
CSE (AI&ML), RKGIT

- Completed course on **Generative AI** by **IBM Coursera Certification** on 6th Nov 2023.
- Attended online FDP on **"Latest Trends and Techniques in software Engineering"** organised by **CHRIST** from 20th Dec to 27th Dec 2023.



Ms. Harender
Pratap Singh
Assistant Professor
CSE (AI&ML), RKGIT

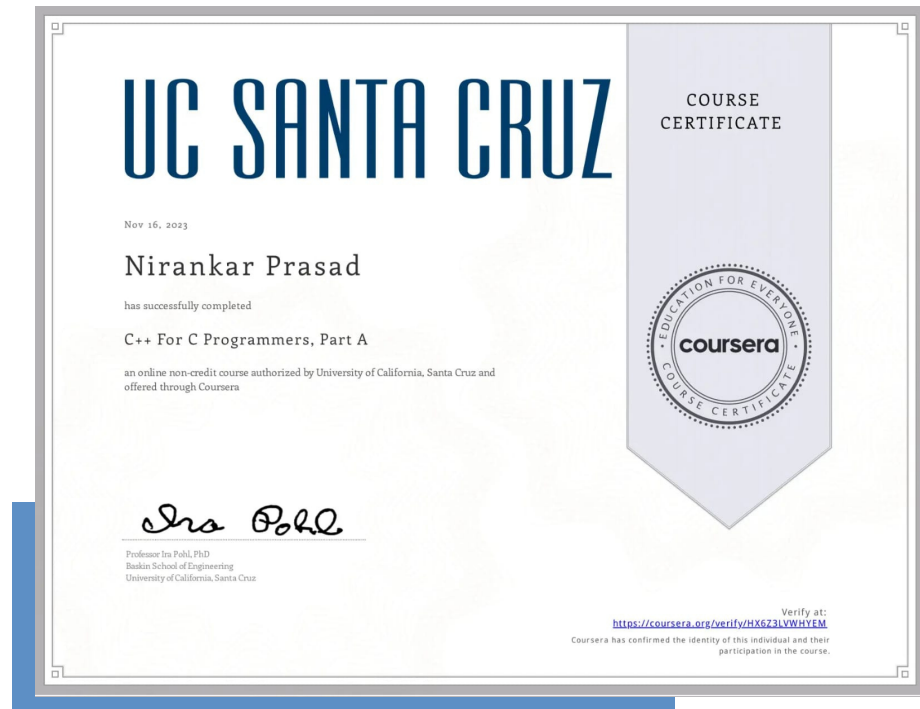
- Attended online FDP on **"IOT with Machine Learning"** organised by **PVKK in association with Pantech E- Learning** from 27th Nov 2023 to 2nd Dec 2023.
- Attended online 1 month Development programme on **"Full Stack Development" (using React JS)** organised by **Pantech E- learning Pvt. Ltd.** from 11th Dec 2023 to 10th Jan 2024.
- Attended online 1 day FDP on **"Research and Innovation"** organised by **St. Francis College Koramangala** Bangalore on 16th Dec 2023.
- Attended online FDP on **"Deep Learning and Reinforcement Learning"** organised by **Coursera** from 15th Nov 2023 to 19th Nov 2023.

Departmental Achievements



100 % COURSERA CERTIFICATION

- We're thrilled to announce that the department has successfully conducted a **100% MOOC certification** program in collaboration with Coursera for our **second-year** students.
- This program focused on "**C++ for C Programmers, Part A**" in partnership with UC Santa Cruz.
- Through this initiative, our students have gained valuable insights and skills to enhance their proficiency in C++ programming. We're proud to support their continuous learning journey and empower them with the latest industry-relevant knowledge.



INTERNSHIPS

In the CSE-AI&ML department, **QMANSYS INFOSOLUTIONS LLP** welcomed 17 students for internships, while **Eleve8 Solutions Pvt Ltd** hosted 7 interns. **YBI** provided internships for 12 students, and **Sintech Technologies** engaged 1 student. **HCL Technologies** offered internships to 3 students, **INFOTRIXS** to 2 students, and **Bharat Intern HCL** to 3 students. Additionally, **Nasscom** provided internship opportunities for 10 students, **Eduskills** for 5 students, and **Nextup** for 2 students in robotics.



“OVER 300 CERTIFICATES HAVE BEEN OBTAINED BY STUDENTS IN VARIOUS OTHER TECHNOLOGIES.”

Departmental Activities



Robotics Process Automation

Guest Lecture

The CSE-(AI&ML) Department's guest lecture on 'Robotic Process Automation' on September 19, 2023, featuring **Mr. Rishabh Chauhan**, a Senior Software Engineer from **HCL Tech**, Noida, was a resounding success. **IInd year Students** actively engaged, showcasing their enthusiasm for learning and fostering their development as aspiring engineers on **UI Path**.

01



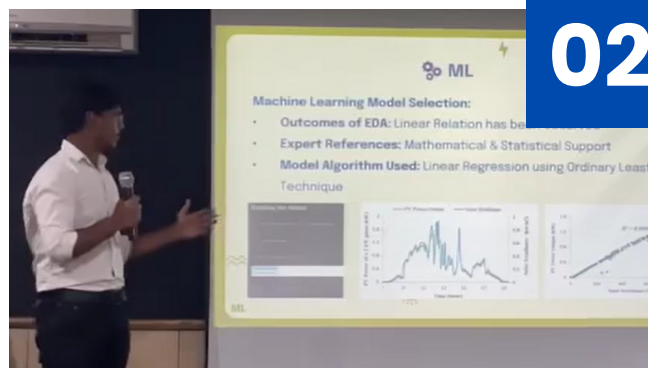
Mr. Rishabh Chauhan
(Sr. Software Engineer) HCL Tech on 19 Sept'23

02

Live Projects on AI

Projects

We're thrilled to announce a groundbreaking collaboration with **Eleve8**. **11 students** from our **fourth year** had showcase their expertise through live presentations on a collaborative project with Eleve8. This initiative not only demonstrates the depth of knowledge within our student body but also highlights the **practical application of AI technologies**.



Prashant (4th Year Student)
RKGIT on 25 Aug 2023

03

Confidence Building And Communication Skills

Guest Lecture

On November 1st, the CSE-(AI&ML) Department organized a captivating Guest Lecture on **Confidence Building and Communication Skills**, featuring **Mr. Anurag Sharma**, the founder of Learning from Ant. Attendees gleaned invaluable insights into cultivating confidence and honing communication abilities. Mr. Sharma's expertise proved instrumental in equipping IInd Year students with essential skills for both personal and professional development.



Mr. Anurag Sharma (Founder)
Learning from Ant on 1st Nov 2023

04

Website designing using Wordpress

Workshop

The CSE-(AI&ML) Department's excellence shone through as it organized a vibrant two-day **workshop on 'Website Designing Using WordPress'**. Guided by **Mr. Dheerendra Kumar**, a proficient WordPress Developer at **AXXELUSS MAVENS Noida**, the event received enthusiastic applause. Students eagerly engaged in **hands-on** learning, acquiring valuable insights into the nuances of WordPress website design.



Mr. Dheerendra Kuma (WordPress Developer)
AXXELUSS MAVENS Noida on 27th & 28th Oct
2023

Departmental Activities



Unicoverge Technology Industrial Visit

05

The Department of CSE-(AI&ML) organized an insightful industrial visit for **IIIrd Year students to Unicoverge Technology Pvt Ltd in Noida** on 8th December 2023. Situated in Sec 62, the visit provided students with a valuable opportunity to delve into **artificial models and applications in deep learning**. Participants gained practical insights into implementing theoretical knowledge, exploring new tools, and their effective applications.



Cloud Computing with ICT Academy

Power seminar

The CSE-(AI&ML) department, in collaboration with **ICT Academy**, hosted a **power seminar on Cloud Computing** on 14th Dec 2023, featuring **Mr. Tushar Anand from Oracle**. Mr. Anand highlighted the use of Jupyter Notebook software for AI and ML tasks, leveraging Python libraries and datasets. Dr. Vinish Kumar (SPOC) and Dr. Neelima Agrawal (Coordinator) oversaw the event.

06



Mr. Tushar Anand (Engineer) on 14th Dec 2023

Departmental Clubs Activities



Tech Session 1.0 on 7th Dec 2023

The CSE-(AI&ML) Department, through the **AI-INNOVATORS CLUB**, hosted **Tech Sessions 1.0** on December 7th, focusing on **AI-based technologies**. The event delved into **PyTorch, TensorFlow, NLTK, Microsoft Azure, and Scikit-learn**. Special congratulations to **Mrs. Mahima Tayal, the Faculty Coordinator**, for her instrumental role in the success of the event.

The CSE-(AI&ML) Department fosters various specialized clubs, each contributing to the realm of artificial intelligence and machine learning.

- **AI INSIGHT**, with **Krishna Agarwal IIIrd Year** as **President** and **Nirankar IInd Year** as **Vice President**, launches the department's inaugural newsletter, facilitating knowledge dissemination.
- **AI Innovators**, led by **Vansh Sharma, IVth Year** as **President** and **Abhishek Chaunkar, IInd Year** as **Vice President**, hosts monthly departmental events.
- **Social Menia**, with **Sakshi Sharma IIIrd Year** as **President** and **Sujal Gupta IInd Year** as **Vice President**, releases social media content.
- **AI Hacks Club**, under **Himanshi IIIrd Year** as **President** and **Ayush Sharma IIIrd Year** as **Vice President**, orchestrates hackathons focusing on AI.
- Additionally, **Lens and Reel**, spearheaded by **Shivam Maurya, IIIrd Year** as **President** and **Aman Singh, IIIrd Year** as **Vice President**, elevates visual storytelling through AI and ML.



Placements



Prarthna Ojha
4th Year, CSE (AI&ML)

07
LPA |



Siddhart Sarkhel
4th Year, CSE (AI&ML)

4.5
LPA |



Shubham Tripathi
4th Year, CSE (AI&ML)

04
LPA |



Kulsum Sheikh
4th Year, CSE (AI&ML)

04
LPA |



Nandini Kumari
4th Year, CSE (AI&ML)

5.5
LPA |



Ritik Gupta
4th Year, CSE (AI&ML)

5.1
LPA |



Mukut Gupta
4th Year, CSE (AI&ML)

6.4
LPA |



Vansh Bhardwaj
4th Year, CSE (AI&ML)

3.0
LPA |



Adarsh Singh
4th Year, CSE (AI&ML)

3.0
LPA |



Prashant Saini
4th Year, CSE (AI&ML)

3.0
LPA |

Student Results

3rd YEAR | VI sem



Prarthna Ojha
PERCENTAGE : 86.00%



Nandini Kumari
PERCENTAGE : 84.00%



Mansi Chauhan
PERCENTAGE : 83.00%

2nd YEAR | IV sem



Avantika Rathour
PERCENTAGE : 86.11%



Roshni Sharma
PERCENTAGE : 81.67%



Tanishka Gupta
PERCENTAGE : 81.00%

Students Achievements



National Chess Tournament

Lucknow

Sahil Keshari, a **fourth-year** student from the CSE (AI&ML) program, showcased his talent by competing in a **national-level chess competition**. His participation reflects the department's commitment to nurturing holistic development beyond academics. Sahil's dedication and skill exemplify the multidimensional excellence encouraged among students, highlighting their prowess not just in technology but also in diverse fields of interest.



Sahil Keshari - 4th Year CSE (AI&ML)
06 December 2023

Smart India Hackathon 2023

National

Abhishek Kumar and Ansh Tyagi, outstanding students from RKGIT College's CSE (AI & ML) branch in their third year, secured the **Runner-Up title** at **Smart India Hackathon 2023**. Their remarkable achievement underscores the department's commitment to fostering innovative problem-solving skills. Abhishek and Ansh's success exemplifies the exceptional talent within our student community and their dedication to addressing real-world challenges through technology.



Abhishek & Ansh - 3rd Year CSE (AI&ML)
24 December 2023

State Kabaddi Tournament

Lucknow

Archit Chaudhary, a **second-year** student in CSE (AI&ML), showcased exceptional athleticism by winning the **gold medal** in **Kabaddi** at the **State Sports Fest** held in Lucknow. His triumph not only highlights his individual prowess but also reflects the well-rounded talents nurtured within the department. Archit's achievement brings pride and recognition to the CSE (AI&ML) program.



Archit Chaudhary - 2nd Year CSE (AI&ML)
06 December 2023

MIC HUNTERS TAXILA

RKGIT

Avnav Teotia, a **second-year** student specializing in CSE (AI&ML), has demonstrated remarkable skill and talent by clinching the **first position** in **Mic Hunters**, a prestigious competition organized by the Taxila Society of RKGIT. This achievement not only underscores Avnav's personal excellence but also serves as a testament to the comprehensive abilities fostered within the CSE (AI&ML) department. Avnav's triumph brings honor and acclaim to the CSE (AI&ML) program at RKGIT.



Avnav Teotia - 2nd Year CSE (AI&ML)
09 November 2023



Shahvez Tyagi - 3rd Year CSE (AI&ML)
06 December 2023

State Volleyball Tournament

Lucknow

Shahvez Tyagi, a **third-year** student from CSE (AI&ML), demonstrated commendable sportsmanship by securing the **runner-up position** in volleyball at the **State Sports Fest held in Lucknow**. His achievement not only underscores his personal dedication and skill but also signifies the diverse talents encouraged within the department. Shahvez's success brings a sense of pride and recognition to the CSE (AI&ML) program.

State Kabaddi Tournament

Lucknow

Nikhil Chaudhary, a **second-year** student in CSE (AI&ML), showcased exceptional athleticism by winning the **gold medal** in Kabaddi at the **State Sports Fest held in Lucknow**. His triumph not only highlights his individual prowess but also reflects the well-rounded talents nurtured within the department. Nikhil's achievement brings pride and recognition to the CSE (AI&ML) program.



Nikhil Chaudhary - 2nd Year CSE(AI&ML)
06 December 2023



Krishna & Ayush - 3rd Year CSE(AI&ML)
07 October 2023

Ideathon by LearnowX

Haryana

Krishna Agarwal and Ayush Sharma, **3rd Year** students of CSE (AI & ML) branch, emerged as finalists in the **Ideathon** organized by **LearnowX and Cloud Analogy**. Their notable accomplishment highlights the department's dedication to nurturing creative problem-solving abilities. Krishna and Ayush's achievement serves as a testament to the outstanding talent within our student community.

National Taekwondo

National

Sujal Gupta, a **second year** student of CSE(AI&ML) has achieved an extraordinary feat by securing the **gold medal** in **National Virtual Taekwondo Championship**. His exceptional performance not only highlights Sujal's individual prowess but also stands as a testament to the rigorous training and support provided within the Taekwondo community. Sujal's triumph brings immense pride and recognition to the sport of Taekwondo, showcasing its prominence on a **national level**.



Sujal Gupta - 2nd Year CSE (AI&ML)
20 August 2023

Departmental Clubs



AI INNOVATORS
 President - Vansh Sharma
 Vice President - Aditya Singh



AI HACKS
 President - Himanshi
 Vice President - Agush Sharma



LENS AND REELS
 President - Shivam Maurya
 Vice President - Yash Garg



AI INSIGHTS
 President - Krishna Agarwal
 Vice President - Nirankar Prasad



SOCIAL MANIA
 President - Sakshi Sharma
 Vice President - Sujal Gupta



NEBULA
 President - Shrang Tyagi
 Vice President - Tushank Tyagi

Featured in News

आरकेजीआईआईटी में गेस्ट लेक्चर का आयोजन

गाजियाबाद (अ.सं.) | राज कुमार गौल इन्स्टीट्यूट ऑफ टेक्नोलॉजी (आरकेजीआईआईटी), गाजियाबाद में सीएआई & एमएल विभाग ने एचसीएल के वरिष्ठ सॉफ्टवेयर इंजीनियर ऋषभ चौहान द्वारा रॉबोटिक्स प्रॉसेस ऑटोमेशन (आरपीए) पर एक गेस्ट लेक्चर का आयोजन किया। आरपीए एक ऐसी तकनीक है जो दोहराए जाने वाले और मैन्युअल कार्यों को स्वचालित करती है। श्री चौहान ने आरपीए के भविष्य और इसके कार्यालय पर पड़ने वाले

विभाग के एचओडी डॉ. विनीश कुमार

वदेशी रोबोट तैयार, करेगा घर के कई काम

नवीनिक : मंडी आईआईटी के मार्गदर्शन में पांच सदस्यीय टीम ने किया देश का ऐसा पहला रोबोट बनाने का दावा

परी संख्या

मंडी आईआईटी के मार्गदर्शन में 5 सदस्यीय टीम ने किया इस तरह का पहला रोबोट बनाने का दावा

30 नवंबर तक लॉन्च प्रोजेक्ट के डायरेक्टर कोरत सिंह ने बताया कि भारत में इस तरह की तकनीक को विकसित करने के लिए यह टीम के साथ संघे समय से प्रयास रहे थे। अब उन्होंने आईआईटी मंडी, आईआईटी रुड़की के सहयोग से इस काम को पूरा किया है। 30 नवंबर तक रोबोट को लॉन्च करने वाले हैं। दबा किया कि अपनी तरह का देश का ऐसा रोबोट है।

न रोबोट को आईआईटी मंडी के रॉबोटिक्स प्रॉसेस ऑटोमेशन विभाग में पांच लोगों की टीम ने बनाया है। इनमें कोरत सिंह, श्रंग त्रिपाठी, श्रुभम सिंह, धीरेन्द्र शर्मा सभी प्रोजेक्ट डायरेक्टर हैं। इस रोबोट को सबसे जल्द अक्टूबर में लॉन्च किया जाएगा।

एड फेक्टर बदल कर होंगे अलग-अलग काम : कोरत सिंह ने बताया कि चार खालों से रोबोट पर काम कर रहे हैं। पिछले तीन साल में जो रोबोट उन्होंने बनाया वह उद्योगों में काम करने के लिए है। पिछले डेढ़ साल से वह एक ऐसे रोबोट पर काम कर रहे थे, जो घरे में लोगों के काम कर सके। कहा कि इस रोबोट में एड फेक्टर बदलकर अलग-अलग काम किए जा सकेंगे। एड फेक्टर चेंज करके यह पांच विस्तारों में काम कर सकेगा। दूसरा फेक्टर चेंज करके यह वॉलेंटिंग करेगा और तीसरा फेक्टर बदलने पर यह दीवार पर चढ़ भी कर सकेगा। रोबोट बनाने वाली टीम इस रोबोट को बहुत ही कम खर्च पर तैयार किया है। इसमें 30 से 40 प्रतिशत ट्यूबिंग का खर्च बना है। वहीं, देश में इसका अन्वयन गिनाई करके बनाकर लयाया तो खर्च और कम हो गया है। कम से कम दो साल तक यह खर्च नहीं हो पाएगा और इसके बाद इसकी हर सम्य खर्च भी मिलेगा। इसका बजट करीब 120 किलोडॉलर होगा।

नहीं होगा, साथ ही इसकी सर्विस भी हो सकेगी। इस रोबोट को बेहतरीन तकनीक से बनाया गया है। मौजूदा समय में यह रोबोट पांच फिजिकल तक का सामान उठाकर इधर-उधर ले जा सकेगा। इस रोबोट को बेहतरीन तकनीक से बनाया गया है। मौजूदा समय में यह रोबोट पांच फिजिकल तक का सामान उठाकर इधर-उधर ले जा सकेगा। इस रोबोट को बेहतरीन तकनीक से बनाया गया है। मौजूदा समय में यह रोबोट पांच फिजिकल तक का सामान उठाकर इधर-उधर ले जा सकेगा।

Google Reviews

Ayush Sharma
 13 reviews · 1 photo

★★★★★ just now **NEW**

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