

2023

KRITIM
INTELLIGENCE

*Magazine of Artificial Intelligence
& Machine Learning*

**SESSION : SEP 2022
TO FEB 2023**

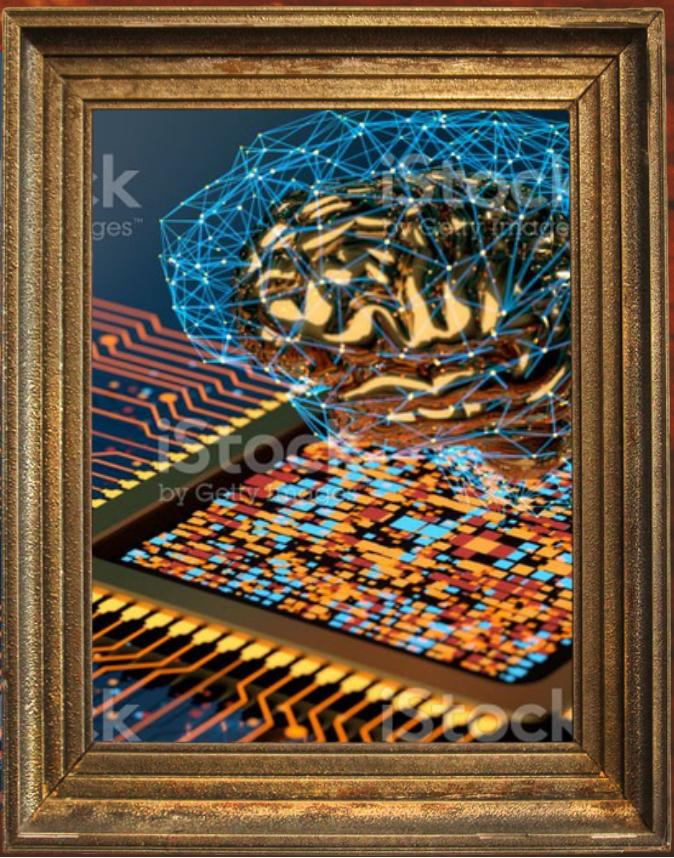
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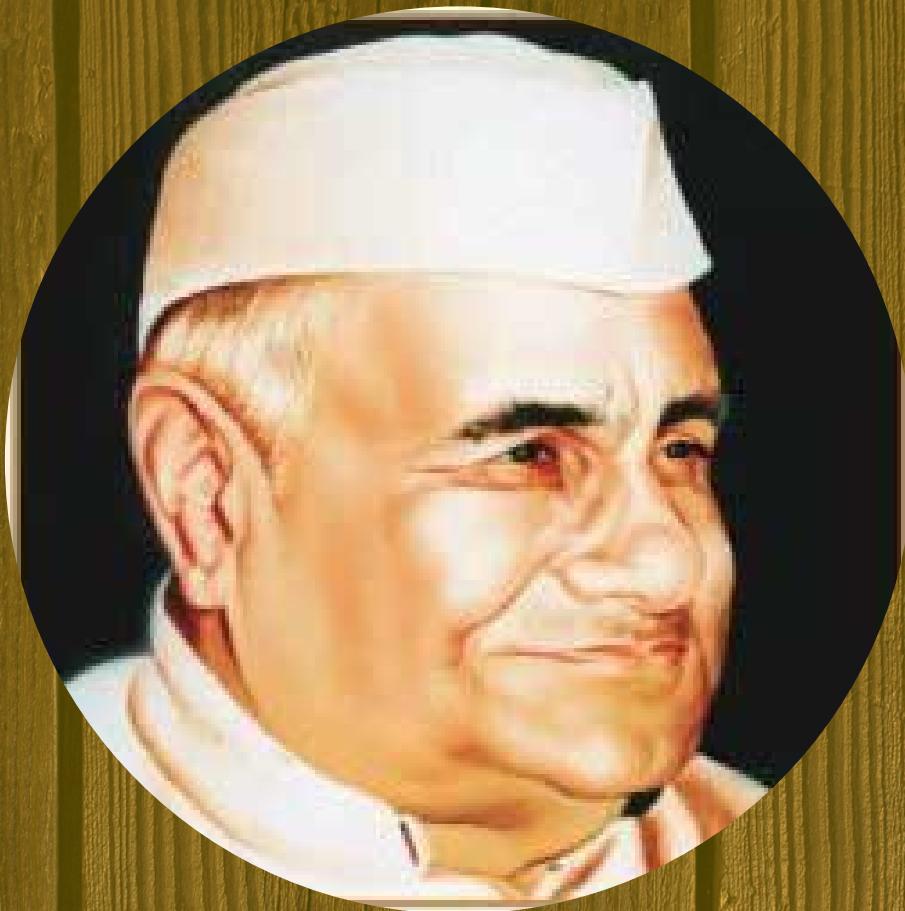
VOLUME 1

KRITRIM INTELLIGENCE

THE AI&ML MAGAZINE

.“It’s going to be interesting to see how society deals with artificial intelligence, but it will definitely be cool.”
—Colin”





"TO PROVIDE AN OPEN OPPORTUNITY TO THE YOUNG GENERATION FOR EVOLVING THEIR CORE COMPETENCIES FOR BUILDING UP THEIR CAREER AS WORLD CLASS PROFESSIONALS WITH BROAD BASED FOUNDATION, IN-DEPTH KNOWLEDGE & VERSATILE PERSONALITY TO MEET THE CHALLENGES OF GLOBAL ECONOMY."

**Late Babu Banarsi Das Ji
(1912-1985)
Freedom Fighter
Ex-Chief Minister of U.P.**



A TRIBUTE
TO OUR
REVERED & HON'BLE
FOUNDER CHAIRPERSON
SIR

Dr. AKHILESH DAS GUPTA

**प्रेरकः सूचकश्वैव वाचको
दर्शकस्तथा ।**

**There is no greater tribute
to a guru than to maintain the
high standards he lived by;
Dr. Akhilesh Das Gupta's
legacy is one such that will
live on through his eminent
students and through the
beauty of his charitable work;
There was an intensity that
he brought to every movement
and thought he expressed;
An inspiring soul, a versatile
genius, a noble teacher whose
ideas will live forever with his
charm.**

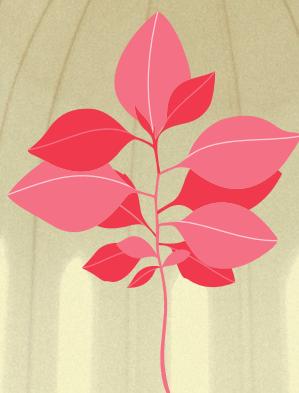
शिक्षको बोधकश्वैव षडेते गुरवः स्मृताः ॥



MRS ALKA DAS GUPTA
Hon'ble Chairperson
BBD Group



SHRI VIRAJ SAGAR DAS
HON'BLE PRESIDENT
BBD GROUP





MRS. ALKA DAS GUPTA
Hon'ble Chairperson
BBD Group

Innovation requires passionate explorers who give proper transformation at the workplace. With an ever-changing global scenario, the key to success is responding to the complex and rapidly changing issues in the world of Artificial Intelligence. The Department of Artificial Intelligence & Machine Learning of ADGITM is always making efforts to justify these points.

We impart an education that is based on consciousness and we rear a breed of young minds that are bustling with self-confidence, motivation, and ever-ready to take up challenges. The campus, sports, and academic facilities all bear testimony to this effort. In order to promote an internationally acceptable education, our key focus has been on overall development.

Proficiency in computing technology has become essential for modern-day managers, business leaders, entrepreneurs, and other professionals. It is a welcome development. I look forward to KRITRIM INTELLIGENCE 2023 setting a higher pedestal. I wish to KRITRIM INTELLIGENCE editorial team a grand success!



SHRI VIRAJ SAGAR DAS
Hon'ble President
BBD Group

I feel so delighted to find that the path of creativity and innovation is consistently followed by the Department of Artificial Intelligence & Machine Learning. It always encourages its students to actively participate and compete in various competitions and events to show their abilities towards the new platforms of technology.

A great part of the magazine is the fact that it brings us a bouquet of topics which are of utmost relevance and interest to all. It is a great pleasure for me to get to know all the activities and achievements of the Department of Artificial Intelligence & Machine Learning of Dr. Akhilesh Das Gupta Institute of Technology & Management in the form of such an interactive read.

I convey my best wishes for the success of KRITRIM INTELLIGENCE 2023.



SHRI S. N. GARG
CEO, ADGITM

Through the guidance of trained and inspired leaders, the students are taken across the gap of their present knowledge and experience and place data level of knowledge and competence that enables them to immediately step into the high standard of efficiency required in today's world of development.

We aim to cultivate talents by closely nurturing them throughout the whole programme. We are unique in terms of our programs, academic structure and core values. Our students are our assets. We develop our students to open them up in front of global scholarly endeavour. While the whole world is running after chances, it is essential to create your own opportunity.



PROF. (DR.) SANJAY KUMAR

DIRECTOR, ADGITM

In his book On Becoming a Leader, Warren Bennis wrote, “No leader sets out to be a leader. People set out to live their lives, expressing themselves fully. When that expression is of value, they become leaders. So the point is not to become a leader. The point is to become yourself, to use yourself completely – all your skills, gifts and energies – in order to make your vision manifest. You must withhold nothing. You, must, in sum, become the person you started out to be, and to enjoy the process of becoming.”

We at Dr. Akhilesh Das Gupta Institute of Technology & Management believe in helping students to manifest their vision completely. How do we do this? We offer a rigorous education program rooted in all forms of practice, coupled with a vast array of electives and opportunities that come from our position of being affiliated to a major university. We give you the tools to continue learning and growing long after you leave our doors; we create opportunities for internships and experiences that broaden your horizons. I take this opportunity to express the fact that every effort is made to improve the existing best services to bring out the best for the welfare of our institution and the growth of our students.



DR. MEENAKSHI YADAV
DEPARTMENT INCHARGE

Welcome to have a view of the achievements and activities of the Department of Artificial Intelligence & Machine Learning with the help of this semester's publication of KRITRIM INTELLIGENCE 2023. We are proud of our strong academic programs, which are based on theoretical and practical knowledge and match well with the requirements and demands of the industry. We have been working in the field of HCI (Human-Computer Interaction) which is an emerging technology. HCI researchers observe the ways humans interact with computers, and they design technologies that let humans interact with computers in novel ways.

We are committed to students by offering short-term courses and pre-placement training classes that foster critical and analytical thinking and build the necessary skills to succeed in the industry. I am sure in times to come, many students from our department will make indelible mark nationally and internationally in the field of Machine Learning and make us proud. The hard-working students, a young and dynamic faculty, whose expertise spans the range of disciplines in the computer science stream and a very healthy work-culture, are the basic elements that comprise the Department of Artificial Intelligence & Machine learning.

ADGITM

VISION AND MISSION

VISION

To produce globally competent and socially responsible technocrats and entrepreneurs who can develop innovative solutions to meet the challenges of 21st century.

MISSION

- To provide value-based education through multi grade teaching methodologies and modern education facilities.
- To sustain an active partnership program with industry and other academic institutes with an aim to promote knowledge and resource sharing.
- To conduct value-added training programme to enhance employability.

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DEPARTMENT OF AI&ML

VISION AND MISSION

VISION

"To produce socially responsible technocrats, researchers and entrepreneurs in Artificial Intelligence and Machine Learning through eminence in education and research."

MISSION

M1. To produce socially responsible technocrats, researchers and entrepreneurs in Artificial Intelligence and Machine Learning through eminence in education and research.

M2. To collaborate with industry to exhilarate novel research and development in Artificial Intelligence & Machine Learning.

M3. To transform students into innovative skilled professionals empowered with knowledge, skills, values, and confidence to cater the global needs of the society.

DEPARTMENT AT A GLANCE

The Department of Artificial Intelligence and Machine Learning is established in the year 2021, offers an undergraduate programme B. Tech. under the affiliation of GGSIPU, New Delhi.

ADGITM, thrives to impart an effective technical education by means of experiential learning and develop concrete infrastructure with efficient faculty and dynamic student community. AI & ML insists on implementing Outcome Based Education (OBE) throughout the tenure of under graduation by means of getting university ranks, higher placement records. To emphasize on lifelong learning and applying knowledge on solving real work problems, department conduct various technical events like hackathons, coding competitions, training programs, workshops and seminars.

STUDENT'S SECTION





STUDENTS' ACHIEVEMENTS



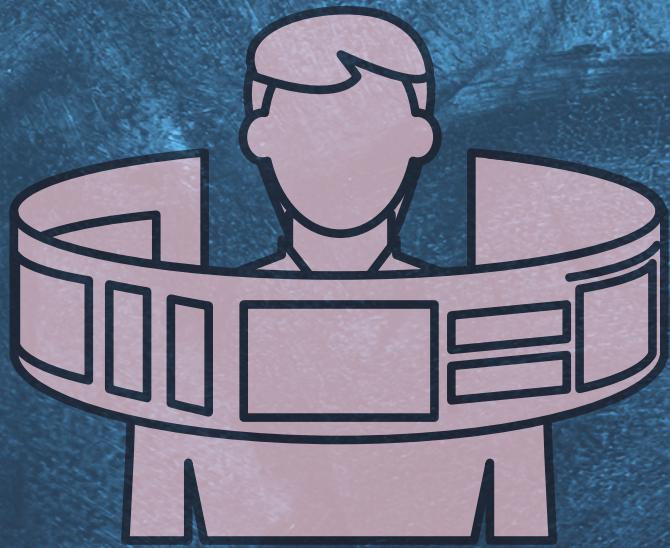
STUDENT ACHIEVEMENTS

- Shashank Thakur (2021-25) Secured 1st rank in CASE STUDY Competition by USIT.
- Tanishka gaur (2021-25) Secured 2NDPosition in Business planning Organised by Netaji Subhas University of Technology.
- Vibhor Jain (2021-25) Secured 3rd Position in Business planning Organised by Aryabhatta college.

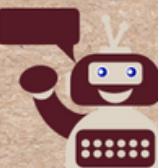




TECHNICAL ARTICLES



DETAILS OF ACTIVITIES FROM JAN 22 TO DEC 22



TECHNICAL QUIZ

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT
PC-26, Shastri Park, New Delhi - 110053
Approved by AICTE and Affiliated to GGSIPU
www.adgitmdehli.ac.in +91(11) 49905900-99

BBD GROUP

TECHNOPEDIA 1.0

A TECHNICAL QUIZ

ORGANISED BY:
KRITIM DHI
IN ASSOCIATION WITH
LOGIX

LOCATION : COLLEGE AUDITORIUM
DATE : 22ND DECEMBER 2022
TIME : 2:30 PM

CONTACT:
DEVANSH : 8130928085
AMAN : 8285866269
RAHUL : 9700335970

LET'S JOIN! #ShapingGenerations

Tests and quizzes have always been a motivator to study harder when student know that their progress will be judge upon a exam, a performance review etc.

So here's KRITIM DHI in association with LOGIX society presenting a quiz competition to sharp your knowledge.

CRICKET MATCH

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY and Management
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CRICKET MATCH

KRITIM DHI VS DATAZOIC

SAHIL SHARMA AKSHAT

ORGANISED BY
DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

One Day Cricket Match between AI&ML [3rd SEM] and AI&DS to get healthy and enjoy full environment by physical activity. The Event and Sports Committee of Dr. Akhilesh Das Gupta Institute of Technology and Management

organized a Cricket match between the AI&ML [3rd SEM] and AI&DS students on 6 Th December 2022.

HACKATHON

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY and Management
PC-26, Shastri Park, New Delhi - 110053
Approved by AICTE and Affiliated to GGSIPU
www.adgitmdehli.ac.in +91(11) 49905900-99

BBD GROUP

LOGIX SOCIETY PRESENTS HACKATHON

Participating in a hackathon is an opportunity for multidisciplinary groups to showcase their skills and develop new projects in record time!

23 DECEMBER 2022
9 a.m to 2 p.m

REGISTER ASAP

ORGANISED BY KRITIM DHI

#Shaping Generations

Hackathons tend to have a specific focus, which can include the programming language used, the operating system, an application, an API, or the subject and the demographic group of the programmers

DETAILS OF ACTIVITIES FROM JAN 22 TO DEC 22



TECHNICAL POSTER MAKING

The poster features the logo of Dr. Akhilesh Das Gupta Institute of Technology & Management, located in Shastri Park, Delhi - 110 053. It is approved by AICTE and affiliated to GGSPU. The event is organized by the Department of Information Technology and the Department of Artificial Intelligence & Machine Learning. The theme is "Kratrim INTELLIGENCE". The date is 30 SEPTEMBER 2022. A QR code for registration is provided, with the link <https://forms.gle/MLn3SdMWhAo4Vvfb7>.

According to the proposed plan Department of AI&ML organized a “Technical Poster making competition” which was held on Friday 30th September 2022. The Theme of the event was “Kratrim Intelligence”.

GUEST LECTURE ON CURRENT TRENDS IN IT AND AI & ML TECHNOLOGY

The poster for the guest lecture on "CURRENT TRENDS IN IT AND AIML TECHNOLOGY" features the institute's logo and name. The speaker is DR. DEEPAK KUMAR SHARMA, Associate Professor at IGDTUW, New Delhi. The lecture is organized by the Department of Information Technology and the Department of Artificial Intelligence & Machine Learning. It is scheduled for 31 OCTOBER 2021, from 2 pm to 3 pm, in the AUDITORIUM ADGITM. The poster also includes the tagline "#Shaping Generations".

To orient the students about the importance of emerging trends in the field of AI&ML and give knowledge on the importance of knowing and making aware yourself of newer technologies.

INDUSTRIAL VISIT

The poster for the industrial visit to Network Bulls Pvt. Ltd. features the institute's logo and name. It is organized by the Department of Information Technology and the Department of Artificial Intelligence and Machine Learning. The visit is to Network Bulls, known for In-depth learning of CISCO Networking. The date is 19 November. The poster includes the tagline "#Shaping Generations".

ADGITM had organized an industrial visit on 19-Nov-2022 to Network Bulls Pvt. Ltd. – which is World's Largest Cisco Training Company for the students of all the years of IT and AIML.

FACULTY PATENTS

Dr. Meenakshi Yadav

- Intelligent Robot-Assisted IoT for Germicide Spray at Hospital Lavatories
- A novel approach for energy efficient wireless sensor network using combination of sensor node's position and communication range



Dr. Preety

- Intelligent RobotAssisted IoT for Germicide Spray at Hospital Lavatories

FACULTY PUBLICATIONS

Dr. Meenakshi Yadav

- AI based Diagnostic Analysis for Wireless Capsule Endoscopy in Obscure Bowel Disease Detection: Present and Future, International Conference on Intelligent Systems and Computing Scopus (ICISC-2022)
- Smart Agriculture System using Artificial Intelligence and Internet of Things, Book Chapter in Reshaping Intelligent Business and Industry: Convergence of AI and IoT at the Cutting Edge, 2022
- Introduction to Internet of Things, Book Chapter in Evolving Predictive Analytics in Healthcare- New AI technique for real-time interventions, 2022

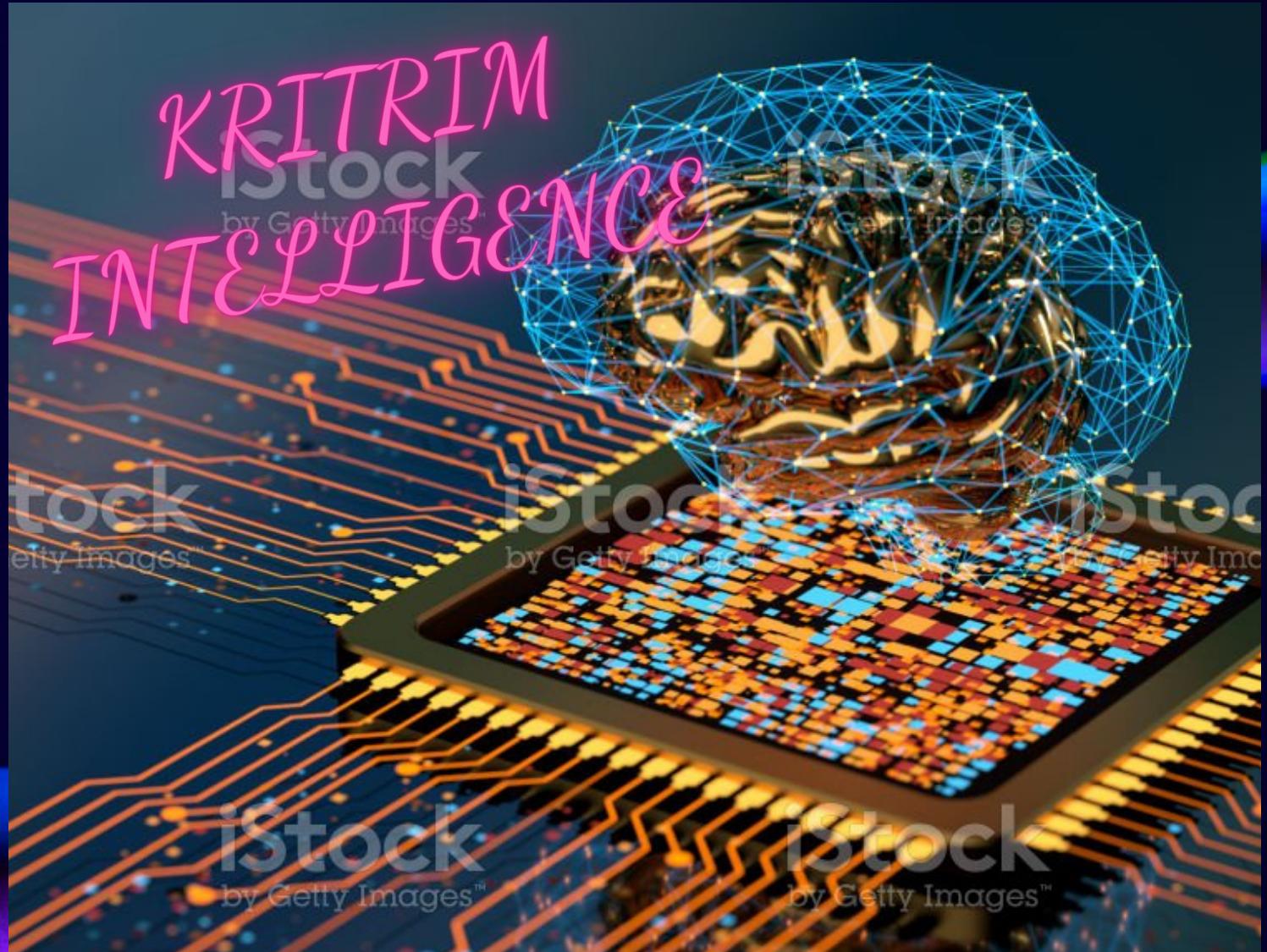
Dr. Preety

- AI based Diagnostic Analysis for Wireless Capsule Endoscopy in Obscure Bowel Disease Detection: Present and Future, International Conference on Intelligent Systems and Computing Scopus (ICISC-2022)
- Parkinson's Disease Detection Using Biomedical Voice Measurements in International Journal for Modern Trends in Science and Technology, vol 8, issue 6, June 2022
- Smart Agriculture System using Artificial Intelligence and Internet of Things, Book Chapter in Reshaping Intelligent Business and Industry: Convergence of AI and IoT at the Cutting Edge, 2022
- Introduction to Internet of Things, Book Chapter in Evolving Predictive Analytics in Healthcare- New AI technique for real-time interventions, 2022
- Securing big data using big data mining, Book Chapter in Artificial Intelligence in cyber physical Systems: Principles and Applications in CRC Press, 2022

EDITORIAL BOARD



Dr. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY AND MANAGEMENT



THEAI&ML MAGAZINE

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