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CLAIRVOYANCE

E-NEWSLETTER
OF
IT DEPARTMENT

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Faculty Received Award/Prize

- Dr. Akhilesh Tiwari, nominated as Member of Board of Management (BoM) in Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya (MGCGV), Chitrakoot for three years (from 26.10.2021 to 25.10.2024).

Talk Deliver Outside The Institute

- Dr. Akhilesh Tiwari, delivered three expert lectures in the Faculty Development Programme on "Data Sciences" under AICTE Training and Learning (ATAL) Academy Program in the duration of 4th -8th October 2021 organized by Devi Ahilya Vishwavidyalaya (DAVV) Indore.

- Dr. Vikram Rajpoot serving as a Session Chair in the track Intelligent Computation and Analytics in the IEEE International Conference on Technology, Research & Innovation for Betterment of Society (TRIBES-2021) held during December 17th-19th, 2021 at IIIT Naya Raipur, Chhattisgarh, India.

FDP/STC attended (Outside the institute)

- Dr. Tej Singh has participated in one-week online Short Term Training Program on "Recent Advances and Challenges in Computer Vision" held from 03rd Dec to 07th Dec, 2021 organized by Department of Electronics & Communication Engineering, Delhi Technological University, Delhi-110042, India.
- Dr. Tej Singh has participated in one week online AICTE-ISTE Induction/Orientation Program on "Recent Advancements in ML & AI" held from 16th – 22nd December 2021 organized by Department of Information Technology & Department of Electronics & Communication Engineering of Bharati Vidyapeeth's College of Engineering, New Delhi.
- Dr. Tej Singh has participated in a one-week online Faculty Development Program on the theme of "Machine Learning Applications in Signal Processing and Wireless Networks" held on December 20th-24th, 2021, organized by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, India.
- Dr. Pawan Dubey has participated in one-week online Short Term Training Program on "Recent Advances and Challenges in Computer Vision" held from 03rd Dec to 07th Dec, 2021 organized by Department of Electronics & Communication Engineering, Delhi Technological University, Delhi-110042, India.
- Dr. Pawan Dubey has participated in a one-week online Faculty Development Program on the theme of "Machine Learning Applications in Signal Processing and Wireless Networks" held on December 20th-24th, 2021, organized by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, India.

Activities Organized (Workshop/Conference/FDP/STC)

- Dr. Akhilesh Tiwari, general chair in 3rd International Conference on Sustainable and innovative Solutions for Current Challenges in Engineering & Technology - (ICSISCET 2021) in the duration of 13th – 14th November 2021 organized by MITS Gwalior.

- Dr. Akhilesh Tiwari, chaired a technical session in 3rd International Conference on Sustainable and innovative Solutions for Current Challenges in Engineering & Technology - (ICSISCET 2021) in the duration of 13th – 14th November 2021 organized by MITS Gwalior

NPTEL/ATAL/COURSERA/INTERNSHALA

- Neha Bhardwaj, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "BLOCKCHAIN TECHNOLOGIES AND ITS APPLICATIONS" from 06/12/2021 to 10/12/2021 at Manipal Institute of Technology.

- Punit Kumar Johari, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "IoT and its Applications" from 23/11/2021 to 27/11/2021 at School of Information Technology - Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV).

Patent file

- Dr. Vikram Rajpoot filed an Indian patent on 09/12/2021 with application number 202121057311. This patent was published on 17/12/2021. Title of this patent is Smart Necklace and Wrist Band with Machine Learning Based Image Processing and GPS.

PhD award in the year

- Uttarakhand Technical University, Dehradun has awarded the Ph.D. thesis on the topic "A Novel Framework for Terrorist Network Mining" of Saurabh Kumar Singh (Research Scholar) under the supervision of Dr. Akhilesh Tiwari, Professor & Head, Department of IT, on 08/10/2021.

Student Chapters Activities organized

- A one-day orientation session cum Quiz Competition was conducted by MITS ACM Student Chapter in virtual mode on 19th November 2021 (Friday). In this event 100+ Students have registered and 64 students have actively participated.

"Education is the manifestation of perfection present already in man.
Divinity is the manifestation of religion already in man"- Swamy
Vivekanada

Latest Technogies

Virtual reality:

Virtual Reality (VR) is a computer-generated environment with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. This environment is perceived through a device known as a Virtual Reality headset or helmet. VR allows us to immerse ourselves in video games as if we were one of the characters, learn how to perform heart surgery or improve the quality of sports training to maximise performance.

Although this may seem extremely futuristic, its origins are not as recent as we might think. In fact, many people consider that one of the first Virtual Reality devices was called Sensorama, a machine with a built-in seat that played 3D movies, gave off odours and generated vibrations to make the experience as vivid as possible. The invention dates back as far as the mid-1950s. Subsequent technological and software developments over the following years brought with them a progressive evolution both in devices and in interface design.

Medicine, culture, education and architecture are some of the areas that have already taken advantage of this technology. From guided museum visits to the dissection of a muscle, VR allows us to cross boundaries that would otherwise be unimaginable.

**"Man needs his difficulties because they are necessary to enjoy success"-
APJ Abdul Kalam**

NFTs

NFTs are currently taking the digital art and collectibles world by storm. Digital artists are seeing their lives change thanks to huge sales to a new crypto-audience. And celebrities are joining in as they spot a new opportunity to connect with fans. But digital art is only one way to use NFTs. Really they can be used to represent ownership of any unique asset, like a deed for an item in the digital or physical realm.

NFTs are tokens that we can use to represent ownership of unique items. They let us tokenise things like art, collectibles, even real estate. They can only have one official owner at a time and they're secured by the Ethereum blockchain – no one can modify the record of ownership or copy/paste a new NFT into existence.

NFT stands for non-fungible token. Non-fungible is an economic term that you could use to describe things like your furniture, a song file, or your computer. These things are not interchangeable for other items because they have unique properties.

Fungible items, on the other hand, can be exchanged because their value defines them rather than their unique properties. For example, ETH or dollars are fungible because 1 ETH / $1 USD is exchangeable for another 1 ETH / $1 USD.