MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

"TECH SAGA"

A Newsletter of CSE Department

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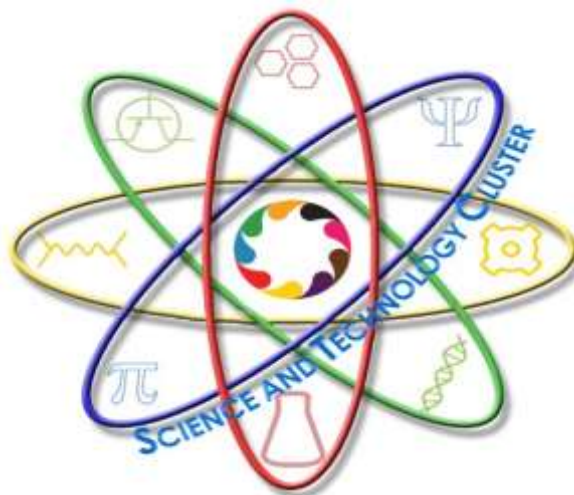- Latest Technology

EDITORIAL BOARD:

- Dr. Manish Dixit, Prof. & Head (Chairman)
- Prof. Amit Kumar Manjhavar
- Prof. Sneha Garg

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FACULTY OUTREACH (TRAINING/FDP/STP ATTENDED)

- ❖ **Prof. Amit Kumar Manjhvar** attended online short course on Data Sciences and Analytics during January 11-23, 2021 at Indian Institute of Technology Gandhinagar.

- ❖ **Prof. Amit Kumar Manjhvar** has attended online two days national workshop on "Computational Intelligence in Data Analytics" Organised by the Department of Information Technology on 8-9 February, 2021 under TEQIP-III.

- ❖ **Prof. Amit Kumar Manjhvar** attended one-week online faculty development programme on "Next Generations System: Artificial Intelligence and Machine Learning" Under TEQIP-III at SATI vidisha from 08 to 12 Feb 2021.

NPTEL/ATAL/COURSERA/INTERNSHAL A COURSE ATTENDED BY FACULTY

- ❖ **Ms. Parul Saxena** successfully completed NPTEL-AICTE FDP of 8 week course "Database Management System" with a consolidated score of 82% (Elite) Jan-Mar 2021

PHD AWARDED

❖ Ms. Parul Saxena has been awarded Doctor of Philosophy (Ph.D) degree under the supervision of Dr. R. S. Jadon, on the thesis title "Semantic Video Interpretation for Surveillance Using Machine Learning Technique" on 24/02/2021 from RGPV, Bhopal (M.P.).

FACULTY RECEIVED AWARD/PRIZE

❖ Ms. Parul Saxena, Faculty Coordinator, Dance club, awarded as Best Student Club (Ranked Fifth), during Academic Session 2019-2020.

ACTIVITIES ORGANIZED (WORKSHOP / FDP / CONFERENCE / STC) AT INSTITUTE LEVEL

❖ Two days workshop organized by the department on "recent trends in image processing and security" during 19th - 20th feb 2021.

STUDENT CLUB ACTIVITIES ORGANIZED

❖ Two days online workshop organised on Ethical Hacking by AASF student forum MITS on 13th march -14th march 2021

STUDENTS ACHIEVEMENT IN EXTRACURRICULAR ACTIVITY AT NATIONAL OR INTERNATIONAL LEVEL

❖ Aman Tiwari and Anash Saxena participated in " Capacity Building Program" organized by MNIT Jaipur

❖ Kanak Mahore and Jaswant singh jothe have attended national workshop on " Recent trends in Image Processing and Security"

❖ Jaswant singh jothe have attended online national workshop on " Computational Intelligence in Data Analytics"

- ❖ Shraddha Dubey attended national workshop on "Recent trends in Image Processing and Security", Microsoft AI classroom Series.

- ❖ Priyanka Gupta successfully completed NPTEL 12 week course "Deep Learning Part-1" with a consolidated score of 92% ,

- ❖ Priyanka Gupta attended national workshop on "Recent trends in Image Processing and Security", Microsoft AI classroom Series

- ❖ Jayshree tundele, Alka Yadav, Harsh Sharma, Utkarsh Mishra, Akritee Janin, Anurag Kumar, Rishabh Nayak participated in "spark 2021 with yoga magic" organized bt Health club MITS.

- ❖ Arbak Shekh Masudi participated in online chess tournament "KingFall 2.0".

- ❖ Aman Tiwari participated in online quiz event "QUESTINARIO" organized by Quiz Club MITS.

- ❖ Aman Tiwari participated in online quiz event "Filmygyan" organized by Scrabble Club MITS, 3 days fest "AARAMBH" organized by Digital Learning Group MITS.

- ❖ Ansh Saxena participated in 3 days fest "AARAMBH" and "5 min habbits-Technical skills vs management and marketing "organized by Digital Learning Group MITS.

- ❖ Ansh Saxena participated in "spark 2021 with yoga magic" organized by Health club MITS, online quiz event "Filmygyan" organized by Scrabble Club MITS,

- ❖ Ansh Saxena participated in online quiz event "QUESTINARIO" organized by Quiz Club MITS, secured 2nd position in event "Call of duty solo" organized by Skyroads club MITS

- ❖ Puneet Kumar successfully completed NASSCOM future Skill training Data Science course with 54%

- ❖ Mohammad Sarwar Bhar, Harsh Sharma, Anurag Dubey, Kshitij Sharma participated in online quiz "Indian Folk Art – FOLKLORE JANUS" organized by Art Club MITS.

- ❖ Vanita Rathore, Harshita Chourasiya, participated in "Campign: 'SHE' Rules. Runs, Rocks organized by Art Club MITS

- ❖ Umesh Kumar Ahirwar successfully completed NPTEL 12 week course "The Joy of Computing using PYTHON" with a consolidated score of 77%(Elite+Silver)

- ❖ Khushi Sharma secured 1st position in Debate Competition "TALKTONIC – RAIS YOUR OPINION" organized by Digital Learning Group and Speakers club MITS

- ❖ Garima Jain secured 1st position in online quiz event "QUESTINARIO" organized by Quiz Club MITS,

- ❖ Rishabh Nayak, Adityaraj Shrivastav, Utkarsh Saxena participated in Microsoft AI classroom Series

- ❖ Tejendra Prajapati was online Guest Speaker on "IOT based Home Automaton" in Dr. Bhim Rao Ambedkar Polytechnic College Gwalior.

- ❖ Dhruv Singh Jadon participated in "Google Cloud Community Days India" organised by GDG Cloud Communities.

- ❖ Nitanshi Chandil Secured 3rd rank in "Health Quiz Competition" organised by Health Club MITS

- ❖ Nitanshi Chandil participated in "spark 2021 with yoga magic" organized by Health club MITS, online quiz event "QUESTINARIO" organized by Quiz Club MITS

- ❖ Pavitra Khare participated in online quiz event "QUESTINARIO" organized by Quiz Club MITS, online quiz event "Filmygyan" organized by Scrabble Club MITS, online quiz event

- ❖ Ram Shrivastav, Nischal Singh participated in 2 days' workshop on "Street play Art Form" organized by Team Rashtraay MITS.

- ❖ Princika Rai participated in "Campign: 'SHE' Rules. Runs, Rocks organized by Art Club MITS, 3 days fest "AARAMBH" and "5 min habbits- Technical skills vs management and marketing" organized by Digital Learning Group MITS

- ❖ Princika Rai participated in Debate Competition "TALKTONIC – RAIS YOUR OPINION" organized by Digital Learning Group and Speakers club MITS

- ❖ Princika Rai participated in participated in "spark 2021 with yoga magic" organized by Health club MITS, 2 days' workshop on "Street play Art Form" organized by Team Rashtraay MITS.

- ❖ Priyanka Likhar participated in "Health Quiz Competition" organised by Health Club MITS

- ❖ Nancy Nair secured 7th rank in "Health Quiz Competition" organised by Health Club MITS

- ❖ Sejal Gupta participated in Republic D'art Competition organised by Art Club MITS

- ❖ Alka Yadav received appreciation for helping SHAPEAI in growing their community.

Department of Computer Science and Engineering

Presents

NO SMOKING

Awareness cum Quiz Competition

on

11th MARCH 2021

World No Smoking Day

←Link to attempt the quiz !!!

E-certificates to all..

Smoking Kills

(Student Coordinators)

Soniya-8085420432

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अंतर्राष्ट्रीय महिला दिवस पर महिला सम्मान कार्यक्रम संपन्न

प्रदेश समय, ग्वालियर।

अएएम कलब, सई लीला सेवा संस्था द्वारा अंतर्राष्ट्रीय महिला दिवस के उपलक्ष में ओपन माइक एवं शक्तिशाली महिला सम्मान कार्यक्रम का आयोजन किया गया। कार्यक्रम की मुख्य अतिथि श्रीमती समीक्षा गुप्ता, डॉ. चंदना भूपेन्द्र प्रेमी, ब्रांड एंबेसडर्स मंजिता शर्मा की उपस्थिति में अएएम कलब द्वारा आयोजित ओपन माइक

में कविता में प्रथम रहे जितेन्द्र तिवारी, सिंगिंग में सुरेठठ निरंजन, डांस कृति दुबे, कुछ हटके वैभव विदुआ विजर रहे। शांतनु भाटिया योगेश भी जज भूमिका में शामिल रहे। अएएम क्लब अमर सक्सेना, कंचन दुबे, विनीता, शिवम और रमानुज ने कार्यक्रम को संचालित किया। संस्था द्वारा सभी सम्मानित महिलाओं को मुख्य अतिथि समीक्षा गुप्त द्वारा मेंतियों की माला पहनाकर सम्मन

पत्र श्रीमती करुणा शर्मा, राधा शर्मा, डॉ. शांति शर्मा, एसआई स्मृति कोली, डॉ. दीपि नैर, कमलेश काश्म, स्मिता खरे, नम्रता सक्सेना, डॉ. ज्योति प्रियदर्शनी शर्मा, सुमन तोमर, अंकिता शर्मा, रानी महेश्वरी, निहा जादव, आर्ट ऑफ लिविंग आराधना दुबे को सम्मानित किया गया। यह कार्यक्रम की जियाजीआ मदाकर्ता की बगीची श्री डायग्नॉस्टिक सेंटर हॉस्पिटल रोड के पास आयोजित किया

गया। कार्यक्रम में सई लीला सेवा संस्था की उपाध्यक्ष रीम गुप्त, सचिव नीतू गुप्त, मनीष सिंह बंदेल, प्रदीप लक्ष्णे, हेमंत त्रिवेदी, गुलशन सिंह यदव, मनीष कराश, महेश शर्मा, प्रो. जमवंत सिंह कुमरे, एमआईटीएस एवं संस्था के सभी सदस्य मौजूद रहे। कार्यक्रम में संयोजक स्द इवेंट कंपनी एवं परिहार हॉस्पिटल की अहम भूमिका रही।

Deepfake Technology:

This is Deepfake technology, which manipulates real photos or videos with the help of Artificial Intelligence, turning them into fake photos and videos for a specific purpose. And all this is done so cleanly that it becomes difficult to distinguish between real and fake pictures and videos. This is why it is called the Deepfake technique.

Deepfake uses AI-based technology to manipulate images, audio, and video to make them seem authentic and real. This technology uses machine learning systems to synthesize videos and audio quickly at a minimal cost.

Neural networks like Generative Adversarial Networks (GANs) are used to train data sets with real footage to make them understand a person's actual voice, behavior, and expressions. Two separate machine learning models are used, one to train on the provided datasets and fabricate images, the second one for monitoring these fabrications and grade the synthesis. These days deepfakes are created by both AI and non-AI-algorithms and do not involve GANs.

Deepfakes are a threat in many ways like the use of deepfake audios in money extortion, fraudsters targeting celebrities and politicians to spread fake news, creating non-consensual pornography, etc.

Virtual Reality:

Virtual Reality (VR) is the use of computer technology to create a simulated environment. Unlike traditional user interfaces, VR places the user inside an experience. Instead of viewing a screen in front of them, users are immersed and able to interact with 3D worlds. By simulating as many senses as possible, such as vision, hearing, touch, even smell, the computer is transformed into a gatekeeper to this artificial world. The only limits to near-real VR experiences are the availability of content and cheap computing power.

VR is the technology by which you can immerse yourself in an environment that seems astonishingly realistic. It is the use of computer technology for creating a simulated environment. It is very popularly used for playing computer games. Unlike traditional games where you experience the gaming environment by viewing it on the screen, you are directly placed in the environment.

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