



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

DEEMED TO BE UNIVERSITY

(Declared under Distinct Category by Ministry of Education, Government of India)

NAAC ACCREDITED WITH A++ GRADE

DEPARTMENT OF MECHANICAL ENGINEERING

WINTER 2024 E-NEWSLETTER

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Dr. Surendra Chourasiya

Faculty Incharge

Dr. Neeraj Mishra

Faculty Incharge

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Student Editor

Vision

"To develop innovative and creative Mechanical Engineers catering the global industrial requirements and social needs"

Mission

- To prepare effective and responsible graduate engineers for global requirements by providing quality education.
- To enhance knowledge through project and internship in the field of Mechanical and allied engineering.
- To guide students in acquiring career- oriented jobs in the field of Mechanical engineering.
- To provide academic environment of excellence, leadership, ethical values and lifelong learning to cater the need of society by sustainable solutions.

**“विद्या ददाति विनयं, विनयाद् याति पात्रताम् ।
पात्रत्वात् धनमाप्नोति, धनात् धर्मं ततः सुखम् ॥”**

CHAIR'S LETTER

I am happy to note that the Department of Mechanical Engineering is releasing its Newsletter for Winter 2024 (January - March) enumerating the various activities and achievements of our faculty and students. Department of Mechanical Engineering is one of the oldest departments established in 1957 at MITS Gwalior. The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them. The department has been steadily growing into an impressive dimension, which strives to encourage excellence in academic and co-curricular activities. I congratulate the entire Mechanical Engineering department faculties, staff and students for their contribution to department activities and look forward for future developments. The department focuses on the holistic development of the students and to engage them in creativity, innovation, entrepreneurial/start up activities.



Dr. Manoj Kumar Gaur
(Head of the Department)

I wish a good learning to all the students!
Warm Regards.

– Dr. Manoj Kumar Gaur
Head of the Department
Mechanical Engineering
MITS Gwalior



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V. Bhopal)

Vision & Mission of Department of Mechanical Engineering

VISION

“To develop innovative and creative Mechanical Engineers catering the global industrial requirements and social needs”

MISSION

- M1** To prepare effective and responsible graduate engineers for global requirements by providing quality education.
- M2** To enhance knowledge through project and internship in the field of Mechanical and allied engineering.
- M3** To guide students in acquiring career-oriented jobs in the field of Mechanical engineering.
- M4** To provide academic environment of excellence, leadership, ethical values and lifelong learning to cater the need of society by sustainable solutions.

EVENTS AND ACTIVITIES

39th M.P. Young Scientist Congress & Science Festival

A Science Fest was organised in MITS Gwalior (21 Feb 2024 to 23 Feb 2024). Education officer N.B. Sahu Sir and Education assistant Anjali Pandey mam from Regional Science Center (RSC) bhopal, A unit of National Council of Science Museums (NCSM), came to the institute to conduct a 3 day telescope making workshop and science toy make and take workshop. 100s of telescopes were made and 200 plus science toys were distributed.



Principles of Science were explained to students in a fun way. In evening, daily night sky observing and stargazing program was conducted. A ton of students watched heavenly bodies with the help of a telescope.

In the program, Students got the opportunity to watch the Jupiter and its moons, our Moon, its craters and its sea using an Astronomical refracting telescope Celestron Nexstar 102SLT.

TECHNICAL SPECIFICATIONS OF THE TELESCOPE

Focal length of objective lens - 660 mm

Focal length of Eye piece - 25 mm

Magnification - 26x angular magnification

‘Have you ever considered how fast you are really moving when it seems you’re not moving at all?’

- Andrew Fraknoi (Astronomer) **3**



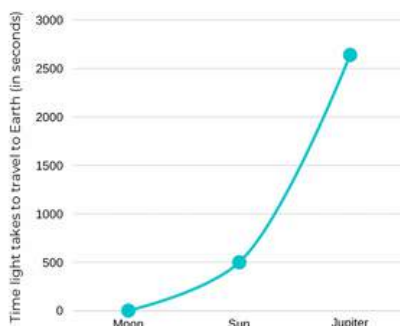
EVENTS AND ACTIVITIES

Stargazing and Night Sky Watching

22 February 2024
Football Ground
MITS Gwalior

Jupiter's four Galilean Moons and Saturn's rings can be seen using this telescope. As we know, light has a finite speed. So whenever we observe the stars in the night sky or watch any celestial objects through the telescope, we are observing the past, as light takes some time to reach us from great distances.

We can not see any celestial object or any activity happening in the outer space instantaneously due to our limited capabilities.



Jupiter as seen through the telescope

Light takes 1.3 seconds to reach Earth from Moon, 8.3 minutes from the Sun, 44 minutes (approx.) from Jupiter and 4.3 years from the nearest star Proxima Centauri.



Jupiter and its four Galilean Moons

DID YOU KNOW?

Renowned actor **Sushant Singh Rajput**, a great inspiration for all the **Mechanical Engineers** owned one of the most advanced telescopes in the world, the **Meade 14 LX600**.



EVENTS AND ACTIVITIES

Media coverage

In the 39th MP Young Scientist Congress and Science Festival, 225 Science and Technology research papers were presented by young researchers. MPCST drones and robotics exhibition was held for the students as well as the public. cultural fest was also organised. Vice Chansellor of Jiwaji University Gwalior Professor Avinash Tiwari was invited as the chief guest on the first day.

स्वदेश

ग्वालियर - मुख्य संस्करण

21 Feb 2024

एमआईटीएस में युवा वैज्ञानिक कांग्रेस व साइंस फेस्टिवल आज से, 225 शोध पत्रों को किया जाएगा प्रदर्शित

नगर संवाददाता ■ ग्वालियर
विज्ञान एवं प्रौद्योगिकी परिषद के फ्लैगशिप कार्यक्रम के तहत 39 वां मध्यप्रदेश युवा वैज्ञानिक कांग्रेस एवं साइंस फेस्टिवल का आयोजन 21 से 23 फरवरी तक माधव प्रौद्योगिकी एवं विज्ञान संस्थान (एमआईटीएस) में किया जाएगा। जिसमें विज्ञान एवं प्रौद्योगिकी के शोध पत्रों का वाचन प्रदेश के युवा शोधार्थियों द्वारा किया जाएगा। साथ ही एमपीएसोएस्टी, ड्रैग्स, रोबोटिक्स तथा विज्ञान केंद्र की चलित प्रदर्शनी भी विद्यार्थियों एवं आम जनता के लिए लगाई जाएगी और सांस्कृतिक कार्यक्रम भी आयोजित



किए जाएंगे।

यह जानकारी एमआईटीएस के निदेशक डॉ. आरके पंडित ने मंगलवार को पत्रकारों से चर्चा के दौरान दी। उन्होंने बताया कि तीन दिवसीय कार्यक्रम के पहले दिन मुख्य अतिथि के रूप में जीवाजी विश्वविद्यालय के

कुलपति प्रो. अविनाश तिवारी, दूसरे दिन मुख्य अतिथि उपाचार्य आईआईटीएम प्रो.एस.एन. सिंह एवं तीसरे दिन डीआईटीई के निदेशक डॉ. मनमोहन परिदा रहेंगे। डॉ. पंडित ने बताया कि कार्यक्रम के लिए 450 शोध पत्र प्रस्तुत किए गए थे, जिनमें से

225 शोध पत्र चयनित हुए हैं और इन्हें विभिन्न विज्ञान और प्रौद्योगिकी आधारित पत्रों में प्रदर्शित किया जाएगा। इसके अलावा तीन दिन चलने वाले कार्यक्रम में विद्यार्थियों के लिए फेस टू फेस इंटरैक्शन, विभिन्न कार्यशालाएं, साइंटिफिक मॉडल कॉम्पटीशन का आयोजन भी किया जाएगा। साथ ही प्रतिदिन शाम को नाइट स्काई वाचिंग की व्यवस्था भी रहेगी। पत्रकारवार्ता में प्रो. प्रभाकर शर्मा, डॉ. प्रवेश जायसवाल, डॉ. मनोज के राठौर, डॉ. आर.एस. भारद्वाज एवं जनसम्पर्क अधिकारी मुकेश मौर्य मौजूद रहे।

पीपुल्स समाचार

एमआईटीएस कॉलेज में युवा वैज्ञानिक कांग्रेस एवं साइंस फेस्टिवल आज से



ग्वालियर। विज्ञान एवं प्रौद्योगिकी परिषद के फ्लैगशिप कार्यक्रम 39 वां मध्यप्रदेश युवा वैज्ञानिक कांग्रेस एवं साइंस फेस्टिवल का आयोजन 21 से 23 फरवरी तक माधव प्रौद्योगिकी एवं विज्ञान संस्थान (एमआईटीएस), कॉलेज में किया जायेगा।

एमआईटीएस कॉलेज डायरेक्टर डॉ. आर के पंडित ने बताया कि तीन दिवसीय सम्मेलन में 450 शोध पत्र प्रस्तुत किए गए, जिसमें से 225 शोध पत्र चयनित हुए हैं और इन्हें विभिन्न विज्ञान और प्रौद्योगिकी आधारित पत्रों में प्रदर्शित किया जाएगा। डॉ. आरएस भारद्वाज ने कहा कार्यक्रम में विज्ञान एवं प्रौद्योगिकी के शोध पत्र का वाचन

प्रदेश के युवा शोधार्थियों द्वारा किया जाएगा। डॉ. प्रवेश जायसवाल, प्रोफेसर एवं एमपीआईएससी के समन्वयक में तीन दिन के दौरान देश के विज्ञान और प्रौद्योगिकी क्षेत्र में प्रमुख विशेषज्ञों, शोधकर्ताओं और छात्रों की उपस्थिति की सूचना दी है। इसरो तथा विज्ञान केंद्र की चलित प्रदर्शनी भी विद्यार्थियों एवं आम जनता के लिए लगाई जाएगी और सांस्कृतिक कार्यक्रम भी आयोजित किए जाएंगे। प्रेसवार्ता में मुख्य रूप से प्रो. प्रभाकर शर्मा असिस्टेंट रजिस्ट्रार, विकास शेंडे प्रिंसिपल साइंटिस्ट, डॉ मनोज के. राठौर संयुक्त परियोजना संचालक एवं संस्थान के जनसंपर्क अधिकारी मुकेश मौर्य मौजूद थे।

Director of IITM Gwalior Professor Sri Niwas Singh was invited as the chief guest on the second day. Director of DRDE Gwalior Dr. Manmohan Parida was invited as the chief guest on the third day. Director of MITS Gwalior told media that 450 research papers were presented from which 225 papers got selected. Face to face interaction, various workshops and scientific model competition were organised for the students. and all 3 days night sky watching program was organised in the evening. Professor Prabhakar Sharma, Dr. Pratesh Jaiswal, Dr. Manoj K. Rathor, Dr. R. S. Bhardwaj and Public Relations Officer Mukesh Maurya were present during the press talk.

‘क्यों डरें ज़िंदगी में क्या होगा
कुछ नहीं होगा तो तजुर्बा होगा’

- Javed Akhtar

EVENTS AND ACTIVITIES

BYJU The Learning हिन्दुस्तान एक्सप्रेस समूह राष्ट्रीय हिन्दी दैनिक हिन्दुस्तान एक्सप्रेस

मध्यप्रदेश राजस्थान हरियाणा छत्तीसगढ़ महाराष्ट्र से प्रकाशित

आक पंजीयन क्र. 173/15-17 5 बायजूस ने फोन कॉल पर शुरू की छंटनी सम्पादकीय खेलने की उम्र में परिष्कृत बच्चों जियो ने भारत में 5जी का प्रदर्शन बढ़ाया 5

वर्ष 18 अंक 47 ई-पेपर के लिए लॉगइन करें - www.hindustanexpress.online भोपाल, बुधवार 03 अप्रैल 2024 email - hindustanexpressbhopal@gmail.com, hindustanexpresshe@gmail.com मूल्य 2.00 रुपये, पृष्ठ 8



वैदिक गणित की मूल अवधारणा पर हुए व्याख्यान

ग्वालियर। आईक्यूएसी एमआईटीएस ग्वालियर ने मैकेनिकल इंजीनियरिंग विभाग के सहयोग से वैदिक गणित की मूल अवधारणा पर विशेषज्ञ व्याख्यान का आयोजन किया। मुख्य वक्ता वैदिक गणित में पीएचडी और वैदिक गणित के प्रमाण पत्र में स्वर्ण पदक विजेता डॉ. राकेश भाटिया ने छात्रों को बताया कि गणित की जटिल समस्याओं को सेकंडों में हल किया जा सकता है। इसके साथ ही छात्रों ने बुनियादी वैदिक गणित गणना के 16 सूत्र सीखे। कार्यक्रम के दौरान डीन एकेडमिक्स डॉ. मंजरी पंडित, मैकेनिकल इंजीनियरिंग विभाग के प्रमुख डॉ. एमके गौड़, प्रोफेसर सीएस मालवी और कार्यक्रम समन्वयक डॉ. एसके चौरसिया उपस्थित रहे।

Media coverage

Vedic Maths

1st April 2024
Conclave Centre
MITS Gwalior

An event on **वैदिक गणित** was organised by IQAC (Internal Quality Assurance Cell) in MITS Gwalior at 11:45 AM on 1st April 2024. Vedic Mathematics Expert **Dr. Rakesh bhatia** Sir National Co-convener of Vedic Mathematics, Shiksha Sanskriti Utthan Nyas, New Delhi was invited as the Keynote Speaker. Faculty member of Mechanical Engineering department, Assistant Professor **Dr. S.K. Chaurasiya** Sir was the Co-ordinator of the event. Dean academics **Dr. Manjari Pandit**, Head of the department **Dr. M.K. Gaur**, Professor **Dr. C.S. Malvi** and all the other faculty members were also present in the conclave during the event along with the students.

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वैदिक गणित की मूल अवधारणा

Join our seminar to unlock Vedic mathematics, delving into ancient numerical wisdom, mastering mental math, and cultivating versatile calculation techniques for enhanced problem-solving skills.

ORGANIZED BY:
IQAC MITS GWALIOR

“Master of Enchantment”
The Keynote Speaker

Dr. Rakesh Bhatia
Ph.D. in Vedic Mathematics

COORDINATOR:
Dr. S.K. Chourasiya
Asst. Professor
MED

DATE
01 April, 2024

TIME
11:45 AM - 01:30 PM

VENUE
Conclave Centre

‘थोड़ा लिखा और ज्यादा छोड़ दिया आने वालों के लिए रस्ता छोड़ दिया’

EVENTS AND ACTIVITIES



Various print media covered the story. The orator presented the diaries of Jagadguru Shankaracharya Swami Shri Bharathi Krishna Tirthaji (1884-1960) - The Father of Vedic Maths. Tirthaji is said to have reconstructed the ancient system of Vedic Mathematics from certain Sanskrit texts which other scholars had dismissed as nonsense. Much of his work is missing because one of his disciple sold the books and diaries written by him to a German in approx. Rs. 80000 which surely would have held a vast treasure of knowledge in it just like the books at Nalanda University.



The speaker taught versatile calculation techniques for enhanced problem solving. If we master mental maths and these ancient techniques we can solve any mathematical problem in seconds which would else be solved in perhaps half an hour. It will be very beneficial especially in competitive examinations.



Sir has researched on the available diaries of Tirthaji. His diaries comprise of **Sixteen Sutras** of Vedic Mathematics which cover all branches of mathematics, pure and applied. The methods he showed and the simple Sutras on which it is based are extraordinarily simple and easy to apply. Sir explained the some of the Sutras

EVENTS AND ACTIVITIES

and taught the application of the Sutras in mathematical problems. He solved complex problems in seconds using Vedic Maths Techniques and encouraged everyone to learn Vedic Maths for faster calculation and enhanced problem solving skills. The diaries of Tirthaji has Sutras for all the concepts and topics in Mathematics, such as - Arithmetics, Multiplication, Division, Factorisation, Quadratic and Cubic Equations, Cube Roots, Pythagoras Theorem, Complex numbers Analytical conics, Apollonius Theorem etc.



educational career. He passed his matriculation examination from the **Madras University** in January, 1899, topping the list as usual. These Vedic Techniques really prove to be helpful and Sir inspired everyone to learn 'em.

‘युक्तियुक्तमुपादेयं वचनं बालकादपि ।
अन्यत्तृणमिव त्याज्यमप्युक्तं पद्मजन्मना ॥’
- Yoga Vasitha 2.18.3



To name a few, Ekadhikena Purvena, Nikhilam Navatascara and Urdhva Triyagbhyam are some of the 16 Sutras. **Jagadguruji**, named as Venkatraman in his early days, was an exceptionally brilliant student and invariably won the first place in all the subjects in all the classes throughout his



EVENTS AND ACTIVITIES



Drawing Competition

2nd April 2024
Seminar Hall 4
MITS Gwalior

A drawing competition, Dra & Pain Activity was organised in MITS Gwalior. Students of Mechanical Engineering 3rd Semester participated in the competition.



Students participated with great enthusiasm and made amazing drawings related to Mechanical Engineering.



‘मेरी ज़िंदगी बेरंग करने वाले सुन ले
मैं तेरी तस्वीर में भी रंग नहीं भरने वाला
इतनी तादाद में दिल दुखाये हैं कि अब तुझसे
इम्तहान में diagram दिल का नहीं बनने वाला’

- Kanha Kamboj

EVENTS AND ACTIVITIES

Faculty member of Mechanical Engineering department Professor Rajendra Prasad Kori Sir organised the competition. Himanshu Sharma student of B. Tech Mechanical Engineering 2nd Year made Portrait of Welder and Submitted it to R. P. Kori Sir under the Learning Activity. Drawing and design is an integral part of Engineering and Architecture. Engineering cannot be imagined without drawing.



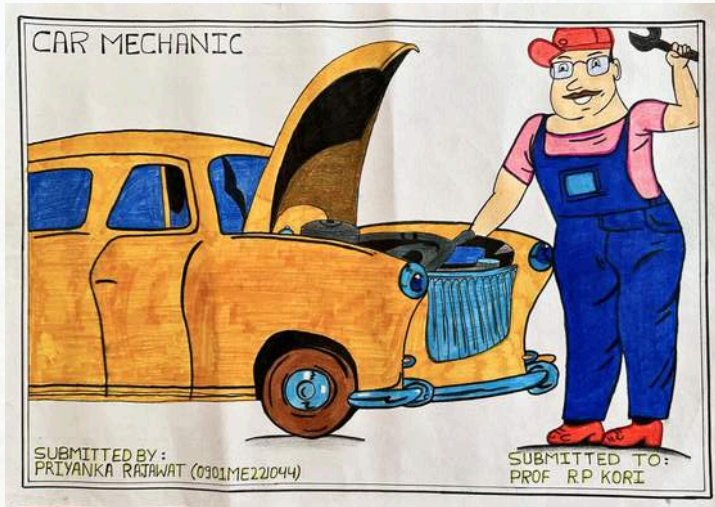
Drawing is a necessity for almost all the subjects of Engineering. Like they say - “drawing is not what one sees but what one can make others see”. Students showed their talent and drew terrific portraits and mechanical components etc. They got amazing gifts from Sir which boosted their morale, motivated them to keep the spirit high and encouraged them to do even better in future.



At its core, engineering is about problem-solving and innovation. From designing skyscrapers to developing cutting-edge technology, engineers rely on drawing. Sketching and drafting allow engineers to visualize their ideas and complex concepts on designs. Drawing serves as a bridge between imagination and reality, enabling to translate abstract concepts into tangible solutions.

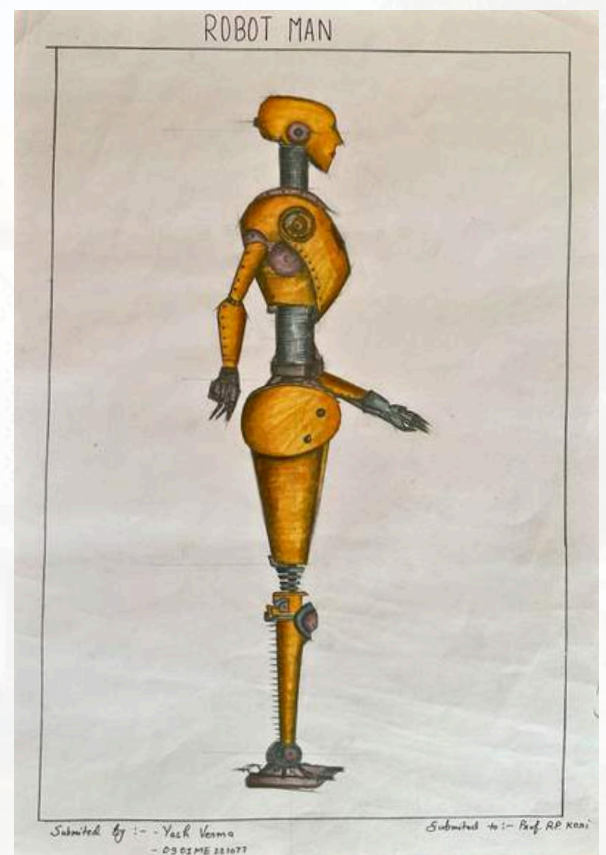


EVENTS AND ACTIVITIES



Priyanka Rajawat student of B. Tech Mechanical Engineering 2nd Year secured *first* position in the competition and got the first prize from Sir - A Parker Pen. She drew a portrait of a Car Mechanic. Well deserved the prize with this beautifully and precisely drawn portrait.

Yash Verma student of B. Tech Mechanical Engineering 2nd Year secured *second* position in the competition. He drew a Robot Man. In drawing, sketches serve as blueprints, laying the foundation for the imaginative designs that engineers bring to life. Robotics, with its blend of mechanical and electronic components, embodies precision and ingenuity, as engineers craft machines capable of movements and complex tasks.

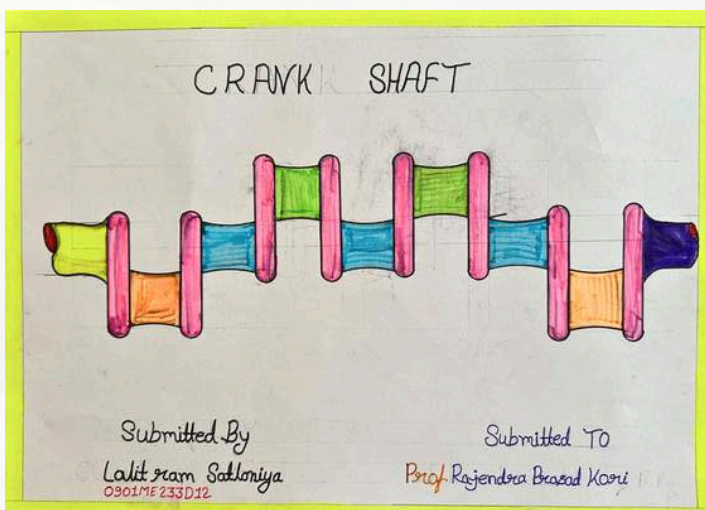


Lalitram Satloniya student of B. Tech Mechanical Engineering 2nd Year secured *third* position. He drew a Crank Shaft.

‘नाभिषेको न संस्कारः सिंहस्य क्रियते मृगैः ।
विक्रमार्जितराज्यस्य स्वयमेव मृगेंद्रता ॥’

Vedas - सुभाषितम् -Page 41

अर्थात् - Nobody declares a lion as the king of the forest by doing rituals. By sheer might of his own, a lion achieves the status of lord of animal kingdom.



EVENTS AND ACTIVITIES

Media coverage

Bhagwad Gita

9 April 2024
College Campus
MITS Gwalior

Bhagwad Gita Club of MITS Gwalior organised an event to raise awareness about lord Shri Krishna's Preaching.

भगवद् गीता में जीवन के प्रश्नों का समाधान

नगरसंघत न्यूज

व्याख्यान में सर्वोच्च भगवान का कल्याण करने में सहायता करेगा। हम फल की उपेक्षा न करते हुए, कर्म करें क्योंकि जब तक हम कर्म नहीं करते हमें फल नहीं मिलेगा। परिवर्तन संसार का नियम है। जैसे निष्कर्म के दो पहलु होते हैं वैसे ही सुख दुःख हमारे जीवन के पहलु हैं। अगर हम दुःख में हैं तो हमें सुख भी अदृश्य हो मिलेगा परन्तु हम उस दुःख को भूल कर आगे अपने जीवन को व्यतीत करना चाहिए।

एक ही कर्मात्मा एक ही जन्म लेती है, लेकिन उनके फल अलग हैं। एक ही कर्म करने वाले लोग भी अलग-अलग फल पाते हैं। इसलिए हमें अपने कर्मों को सही ढंग से करना चाहिए।

कर्मों के फल हमें मिलेंगे परन्तु हम उन फलों को भूल कर आगे अपने जीवन को व्यतीत करना चाहिए।

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पीपुल्स समाचार

नरक के तीन द्वार हैं वासना, क्रोध और लालच यह तीनों आत्मा का कर देते हैं विनाश : राहुल



पीपुल्स संवाददाता • ग्वालियर
मो.नं. 96444644430

श्रीमद् भगवद् गीता में मनुष्यों के सभी सवालों के जवाब हैं और सभी समस्याओं के हल भी हैं। इसमें दिए गए श्लोकों के माध्यम से हमें जीवन की हर समस्या का समाधान ढूँढने की दिशा मिलती है। एमआईटीएस कॉलेज में मंगलवार को भगवद् गीता पर कार्यक्रम आयोजन किया गया है। इस अवसर पर मुस्कान अग्रवाल ने कहा गीता का उद्देश्य है कि हम श्री कृष्ण के द्वारा दिए गए ज्ञान और शिक्षा को अपने जीवन में ग्रहण करें जो आज के समय हमें और हमारे जीवन को कल्याण करने में सहायता करेगा। राहुल श्रीवास्तव ने कहा कृष्ण कहते हैं कि नरक के तीन द्वार हैं वासना, क्रोध और लालच, यह तीनों आत्मा का विनाश कर देते हैं। अतः मनुष्य को तीनों का त्याग देना चाहिए। यह पोस्टर एग्जिबिशन भगवद् गीता क्लब द्वारा आयोजित की गई थी जिसमें ऋषभ, स्वाति, और नित्या, राधा और अंश की महत्वपूर्ण भूमिका रही। कार्यक्रम में संस्थान डीन स्टूडेंट वेलफेयर डॉ. राजीव कंसल उपस्थित थे। इस कार्यक्रम के संयोजक डॉ. चंद्रशेखर मालवी थे। यह जानकारी संस्थान के जनसंपर्क अधिकारी मुकेश मौर्य ने दी।

Students organised a Poster Exhibition and explained how the Shlokas in **भगवद् गीता** contain the solution of the questions of life. Dean Student Welfare Dr. Rajeev Kansal was present during the event. Dr. Chandra Shekhar Malvi was the Co-ordinator of the event. Students told that Bhagwad Gita teaches us that we should have faith and belief while doing our work (work). Bhumi Shivhare student of Mechanical Engineering MITS Gwalior told with her poster

एमआईटीएस में लगी भगवद् गीता पर पोस्टर प्रदर्शनी



नगर संवाददाता • ग्वालियर

एमआईटीएस में भगवद् गीता क्लब द्वारा मंगलवार को पोस्टर प्रदर्शनी लगाई गई। जिसमें छात्र-छात्राओं ने भगवद् गीता विषय पर पोस्टर प्रदर्शित किए। इसमें तृतीय वर्ष के छात्र प्रियांशु अहिरवार ने अपने पोस्टर के माध्यम से भगवद् गीता के महत्वपूर्ण श्लोकों के माध्यम से जीवन के प्रश्नों का समाधान समझाने का प्रयास किया। इसी तरह भूमि शिवहरे ने अपने पोस्टर में कहा कि भगवद् गीता पांच विषयों से संबंधित है। द्वितीय वर्ष की छात्रा मुस्कान अग्रवाल ने कहा कि गीता का उद्देश्य है कि हम श्रीकृष्ण के द्वारा दिए गए ज्ञान और शिक्षा को अपने जीवन में ग्रहण करें जो आज के समय हमें और हमारे जीवन को कल्याण करने में सहायता करेगा। इसके अलावा मैकेनिकल की छात्रा श्रुति मिश्रा, मुस्कान अग्रवाल, राहुल श्रीवास्तव के अलावा अन्य विद्यार्थियों ने भी पोस्टर प्रदर्शित किए।

‘जब तुझसे ना सुलझें तेरे उलझे हुए धन्दे भगवान के इंसान पे सब छोड़ दे बंदे खुद ही तेरी मुश्किल वो आसान करेगा जो तू नहीं कर पाया वो भगवान करेगा’
- Saahir Ludhianvi

EVENTS AND ACTIVITIES

दैनिक सत्ता सुधार

भागवत क्लब की पोस्टर एजीबिशन आयोजित

प्रतिस्पर्धी भागवत क्लब द्वारा पोस्टर एजीबिशन आयोजित की गई। जिसमें प्रतिस्पर्धी भागवत क्लब के सदस्यों ने भागवत गीता के अर्थों को समझाने और प्रसारित करने के लिए पोस्टर तैयार किए।

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ईश्वर (God), जीव (Being), काल (Time), प्रकृति (Nature) and कर्म (Work), no one knows where the time started and where does it end, and time is the only one who can have the record of the universal creation, maintenance and destruction. In Tense, past, present and future, time is the factor and in its latent impersonal form it represents the supreme भगवान (God). What ever borns has to die, this is the rule of the nature. The moment someone takes birth he is destined to suffer every moment.

Every birthday we have alleviates our lifespan by one and takes us closer to our death. Lord Brahma's life span is 100 years but his 12 hours comprises of 4 Yugas namely सत्य, त्रेता, द्वापर and कलियुग. Student of 2nd Year Muskan Agarwal told that the purpose of Bhagwad Gita is that we learn the lesson taught lord Shri Krishna and apply them in our life.

‘तत्त्ववित्तु महाबाहो गुणकर्मविभागयोः । गुणा गुणेषु वर्तन्त इति मत्वा न सज्जते ॥’ Bhagwad Gita Chapter-3 Verse-28

अर्थात् - he — who knows the Truth, O mighty-armed, about the divisions of the qualities and (their) functions, and he who knows that GUNAS -as-senses move amidst GUNAS -as-objects, is not attached.

‘Receive without pride, let go without attachment’ - Sushant Singh Rajput

FACULTY NEWS

Virtual Lab

14 March 2024
Head Chambers
MITS Gwalior

A session on **Virtual Lab** was conducted in **Madhav Institute of Technology and Science, Gwalior** at 4 PM (14/03/2024). All the **Faculty** members of **Mechanical Engineering** department joined the session and learnt about **Virtual Lab**. **Virtual Lab** by **IIT Delhi** can be accessed at <https://www.vlab.co.in>

It provides remote access to simulation based Labs in various disciplines of Science and Engineering namely Electrical Engineering, Civil Engineering, Electronics and Communication Engineering, Computer Science Engineering, Mechanical Engineering etc



It is an initiative of **Ministry of Education** under the **National Mission on Education** through **ICT**. Its objectives include providing a complete **Learning Management System** around the **Virtual Labs** where the students/teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations

and enthusing students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation. It has **Virtual Lab** for **3D Printing, DOM, FAB, Kinematics, Robotics, VR, Acoustics, Micromachining** etc

‘यह बात अलग है तुम ना बदलो
मगर ज़माना बदल रहा है
गुलाब पत्थर पे खिल रहे हैं
चराग़ आँधी में जल रहा है’

- Iqbal Ashhar



STUDENTS NEWS

Outreach Activities

Hunar - PAU Youth Fest

31 March 2024

Wheat Auditorium

PAU Ludhiana

Punjab Agricultural University, Ludhiana organised 37th Inter-University National Youth Festival - Hunar 2024 - Harvesting National Talent. Famous Indian Singer-Songwriter and Actor Sir Gurdas Maan were invited as the guest of honour. It was a 5-day event (28/03/2024 - 01/03/2024). It included multiple events of Music, Dance, Literature, Theatre and Fine Arts. Students of many Universities from all over the country participated with great enthusiasm.



A student of Mechanical Engineering department of Madhav Institute of Technology and Science, Gwalior secured 3rd position in Western Instrumental (solo).

‘परिंदों को मंज़िल मिलेगी यकीं उनके पर बोलते हैं
अक्सर वो लोग ख़ामोश रहते हैं जिनके हुनर बोलते हैं’

- Faiz Ahmed Faiz

STUDENTS NEWS

Students Publications

Harsh Bhardwaj student of **B. Tech Mechanical Engineering** 1st Year **MITS Gwalior** has wrote a book called '**the hurt ones**', It is a collection of his **poetry** which got published on **16 January, 2024**.

Harsh began writing poetry when he was only a child, but one fateful day, he decided to look back. It was only then that he realised he had something that most poetry books lacked. While still only a **teenager**, Harsh noticed that life encompasses more than the simple routes of love and loss that other poets tend to focus on. Life holds both hidden beauties and traumatising horrors, tucked intricately within its own pages, jumbled amongst themselves to further hide the signs of their existence.

If you choose to read this book of poems, you will be met with many stories that the author experienced over the years, whether they be his own, or those he uncovered while peering down the path of another. A book of not only **100 poems**, but 100 life stories seen and experienced throughout the author's childhood, adolescent, and teenage years. Tales of grief, loss, sadness and pain, combatted by healing, hope, love and companionship.

who doesn't like a nice little **aesthetic** book in their bookshelf. Show your support to the indie writer by reading the book.

the hurt ones

harsh bhardwaj



100 POEMS FOR LIFE

Click on the picture to buy the book

Divided into five chapters, *the hurt ones* is a journey of breaking, falling, awaking, rising, and taking. Its an emotional roller coaster which consists of not only pain, sorrow and grief but also healing, perseverance and **motivation**.

It contains poetry in hindi, urdu, punjabi and english language, printed in roman font for your vantage to read and the aesthetic feel which makes it a very good book to **gift** to your loved ones. It is available as **Paperback** and e-Book. You can find it by searching 'the hurt ones' on internet or follow this link:-

<https://notionpress.com/read/the-hurt-ones/paperback>

STUDENTS NEWS

Extra Curricular Activities (Poetry)

14 February 2024
Conclave Center
MITS Gwalior

On the auspicious occasion of Vasant Panchami and Valentine's Day Hindi Samiti organised a poetry competition named Sham-e-Ulfat. Many of the students participated in the competition with great enthusiasm. Famous Lyricist and Songwriter Sir Rajesh Sharma, famous Poet and Software Engineer Sir Jitendra Tiwari and Sir Ramanuj Parashar were invited as the guest of honour.



Click on the picture to watch the video

All the participants from various branches and semesters performed appreciable Poetry, Ghazal, Nazm, Poems and other literary works and compositions. Harsh Bhardwaj, student of B. Tech Mechanical Engineering 2nd Semester MITS Gwalior secured first position in the competition.

Some of the notable poetry recited by the fellow include:-

‘ मुझे सताने के लिए
हर कोशिश यह करता है
मैं कहता हूँ मैं वो नहीं
मेरा कहा नहीं मानता



रुलाता मुझे रहता है
यह जुमले ऐसे कहता है
मेरे पास अब नहीं है तू
यह जहान नहीं जानता ”

- Harsh Bhardwaj



Poetry was recited in Hindi and Urdu. Winners got certificates and gifts from the honourable chief guests. It was a memorable eve. All the attendees enjoyed the *Mehfil* to the fullest.

STUDENTS NEWS

Media Coverage

Numerous Print Media covered the story. As we all know, The Gwalior Gharana is one of the oldest and most traditional schools of Hindustani classical music. It is proudly and widely said that even the children in Gwalior cry musically. The chief guests told that they only heard the anecdotes of fights in college before



'एमआईटीएस ग्वालियर में हुआ शाम-ए-उल्फत प्रतियोगिता का आयोजन'



Our rich culture and heritage is deep rooted inside us but we are infamous just because of these Kamzarf (witless) people who indulge in pointless fights and spark riots and we, the impeccable get to face the consequences.

کی مرضی وہ جسے پاس بٹھا لے اپنے
اس پہ کیا لڑنا فلاں میری جگہ بیٹھ گیا
- Tehzeeb Hafiz

'क ख ग घ को पहचानो, अलिफ़ को पढ़ना सीखो।
अ आ इ ई को हथियार, बनाकर लड़ना सीखो।'
- Safdar Hashmi

but they were amazed to see the talent and mannerism of the students. The sher (couplets) were recited in khadi boli Hindi and khalis Urdu without the use of any other dialect which portrayed the essence of Lucknowi Tehzeeb (mannerism), adab (civility) and nafasat (sophistication). The Mushaira went across borders when students started reciting the lines of renowned Pakistani Poet Tehzeeb Hafiz.

विद्यार्थियों ने काव्य कौशल का किया प्रदर्शन

एमआईटीएस में शाम-ए-उल्फत प्रतियोगिता आयोजित



में परोकर कविताओं और शायरियों के रूप में प्रस्तुत किया। प्रतियोगिता में श्रृंगार, वात्सल्य आदि रसों के विभिन्न पहलुओं पर आधारित कविताओं को प्रस्तुत किया गया, जिसके द्वारा विद्यार्थियों को साहित्यिक रुचि में ही बढ़ोत्तरी हुई। कार्यक्रम में मुख्य अतिथि के तौर पर प्रसिद्ध गीतकार राजेश शर्मा उपस्थित रहे। जबकि निर्णायक के रूप में कवि जितेंद्र तिवारी एवं रामानुज पाराशर उपस्थित रहे। कार्यक्रम के दौरान समिति की समन्वयक डॉ शुभी कंसल, प्रो. विकास माहेश जी भी मौजूद थे। इस अवसर पर हिन्दी समिति अध्यक्ष पुष्पेन्द्र सिंह गुर्जर सहित अन्य मौजूद रहे।

ALUMNI NEWS

Accomplishments.

GATE 2024

Saksham Jain alumnus of **B. Tech Mechanical Engineering MITS Gwalior** has secured **All India Rank 2** in **GATE 2024** Examination which was held in February 2024 and the result came out on **16 March, 2024**.

Bringing glory and continuing the legacy of his Alma Mater, the prestigious Madhav Institute of Technology and Science Gwalior, he became an inspiration for many of the likes of him who are hustling hard counting on the sleepless nights to achieve something in their life and prove a point to everyone who thought that they are not capable. his hard work payed off and we, on behalf of the department extend our heartiest congratulations to the fellow.

‘लहरों से डर कर नौका पार नहीं होती
कोशिश करने वालों की हार नहीं होती”

- Harivansh Rai Bacchan

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For GATE 2024 Result [ME]

Name	SAKSHAM JAIN	Photograph	
Registration Number	ME24525021140	Signature	
Gender	Male	Marks out of 100*	82.33
Parent's/Guardian's name	SUNIL KUMAR GODHA	All India Rank in this test paper	2
Date of Birth (YYYY-MM-DD)	1995-06-17	Qualifying Marks**	28.6 (General) 25.7 (GBC/NCL/EWS) 19 (SC/ST/PwD)
Examination Paper	Mechanical Engineering (ME)	GATE Score	1000

*Normalized marks because of submission papers (PDF and CIE)
**A candidate is considered qualified if the marks obtained are greater than or equal to the qualifying marks mentioned in the category of the candidate. The candidate's marks must be greater than or equal to the qualifying marks mentioned in the category of the candidate.

All India Rank 2

Finally..

*Congratulations and
best wishes!*

STUDENT ARTICLE

The enduring legacy of Kalpana Chawla: A real inspiration for today's generation

(Indian-American astronaut
and aerospace engineer)

Kalpana Chawla was born on 17 March 1962 in Karnal, Haryana. She made history as the first Indian-origin woman to go to space in 1997. She was a true trailblazer, breaking barriers and inspiring countless individuals to follow their dreams.

After completing her Undergraduate degree in Aeronautical Engineering from Punjab Engineering College in Chandigarh in 1982, she moved to the United States to pursue her Master's degree in Aerospace Engineering from University of Texas in 1984. She completed her Doctorate in Philosophy from University of Colorado in 1988.

After her first flight, Chawla said, "When you look at the stars and the galaxy, you feel that you are not just from any particular piece of land, but from the solar system."

Chawla was posthumously awarded the Congressional Space Medal of Honor, and several streets, universities, and institutions have been named in her honor.



We lost this gem kind of personality in the Columbia Space Shuttle disaster on February 1, 2003 as the spacecraft burst over Texas and Louisiana during the re-entry in Earth's atmosphere due to faulty material.

But her legacy has lived on, her talent and hard work have inspired many young people in India and around the Globe.

-Harsh Bhardwaj

‘सितारों से आगे जहाँ और भी हैं
अभी इश्क के इम्तिहाँ और भी हैं’

PROGRAM OUTCOMES

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- Graduates of the program will be able to have successful professional career.
 - Graduates of the program will be able to develop attitude of learning and become adaptable to dynamic industrial and social environment.
 - Graduates of the program will be able to design and develop mechanical system by using skills and knowledge of core competency along with allied engineering skill.
 - Graduates of the program will be able to undertake interdisciplinary research needed to build a sustainable society.
-
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
 - Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
 - Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PROGRAM OUTCOMES (POs)

Mechanical and Automobile Engineering Graduates will be able to:

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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**We welcome your recent news for
inclusion in our next newsletter.**

Please email your updates to

rescuebird18@gmail.com or mishraneeraj@mitsgwalior.in

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Published by E-Newsletter Committee
dept. of Mechanical Engg. MITS Gwalior
Design Layout: Harsh Bhardwaj

A Quarterly Newsletter: March 2024 Issue