



**MECHATRONICS ENGINEERING  
GLIMPSE AND ACHIEVEMENT, 2023**

# MEGA

**VOLUME-1.0**

**DISCOVER THE FUTURE  
OF ENGINEERING:**

*Get a Glimpse of Mechatronics  
Engineering at JEC!*

**MASTERING THE  
MECHANICS:**

*The Phenomenal Progress of  
Mechatronics Engineering*

**UNLEASHING STUDENT  
POTENTIAL:**

*Mechatronics Engineering of JEC  
Achievements and Activities*

**Magazine By  
Department Of Mechatronics Engineering  
Jabalpur Engineering College, Jabalpur, (M.P.), India**

# MEGA

MECHATRONICS ENGINEERING  
GLIMPSE AND ACHIEVEMENTS



**Logo Designed by:**  
**Dr. Agya Mishra &**  
**Ayush Gupta**



## TABLE OF CONTENTS



- 01** Letter from the Principal's Desk
- 02** Letter From the Head of Department Desk
- 03** Words of Benediction
- 07** What is Mechatronics Engineering?
- 08** The Mechatronics Wave
- 11** Application of Mechatronics
- 12** Future in Mechatronics
- 13** Tomorrow's Technology Today
- 14** Pulse : The Student Activity
- 16** Showcase : The Student Achievements
- 18** The Sports Tribune
- 20** Techkriti
- 21** A Perfect Moment (Batch 2025, Batch 2026)
- 23** The Credits : Hands Behind the MEGA Magazine



**Dr. P.K. Jhinge**

Honorable Principal Of  
Jabalpur Engineering College

Celebrating the Platinum Jubilee year of Jabalpur Engineering College, a new UG course "Mechatronics Engineering" was established in 2021.

I am delighted to know that The Department of Mechatronics Engineering is releasing their very first annual departmental magazine 'MEGA - Mechatronics Engineering Glimpse and Achievements', I would like to congratulate HOD Dr. Agya Mishra, all the faculty members and the students of Mechatronics Engineering for their initiatives and wishing newer editions keep coming every year. I believe that they will achieve academic excellence and fruitful careers in the future.

I wish them success for their future endeavours.

Principal

Jabalpur Engineering College,  
Jabalpur (M.P.), India, 482011



# Letter From the Head of Department Desk



**Dr. Agya Mishra**

Head of Department  
Mechatronics Engineering  
Jabalpur Engineering College

- AI System Designer
- Academician
- Speaker
- PhD Guide
- Journal Reviewer
- Consultant
- 347+ citations in Worldwide Library
- 104 publications globally
- Awarded "NaiDuniya Nayika Award", 2023 for Inspiration and Excellence in work.
- Google Scholar



Greetings!! To all,

With the flag of platinum jubilee year of Jabalpur Engineering College, behalf of headship of the department, I am pleased to announce and release the very first annual magazine "MEGA : Mechatronics Engineering Glimpse and Achievements", 2023 for the very first B. Tech batch of not only the Institute but Madhya Pradesh as well. This MEGA magazine would be huge informative for the students those studying in the JEC and also seeking for admissions in this branch as well.

Mechatronics engineering branch is established in 2021 with the approval of AICTE New Delhi, Government department of Technical Education Madhya Pradesh and Rajive Gandhi Prodyogiki Vishwavidhyalay Bhopal.

I am delighted and grateful to the respected executives of NPCIL and Vehicle Factory Jabalpur for their precious words and golden wishes.

In patronship of the Principal Dr P.K. Jhinge , JEC and with the support of All Head of the departments, all the Faculty members, supporting staff both Technical and nonteaching staff, from all the disciplines, this branch is seeded appropriately and growing gradually.

The Board of studies members from IIT Indore, IIITDM Jabalpur, RGPV Bhopal, and from Industry all together designed the curriculum of this UG programme and helping in developing the laboratories and complete department.

The enthusiastic students are participating in activities of academics, vocational industrial training, personality development like extempore, group discussion, presentation skills, quizzes, and sports as their compulsory activities. Also, students are preparing for further higher studies and their future placement endeavours.

Behalf of the headship of very first batch, I realise a major responsibility to put the milestones in producing leaders for the track of mechatronics engineering and continuously working with our team on it. In the favour of students Memorandum of understanding (MOU) with Industry and Higher level Institutes are in pipeline of the process.

I congratulate all the students of the mechatronics engineering department for their continuous day and night efforts in bringing up this magazine as an informative asset. I wish to all for their bright future endeavours.

*Agya Mishra*  
May 2023

Head of Department, Mechatronics Engineering  
Jabalpur Engineering College,  
Jabalpur (M.P.), India, 482011



# WORDS OF BENEDICTION



**Shri. K.C. Sharma**

Additional Chief Engineer(Mechanical)  
Nuclear Power Corporation Of India limited  
Chuta MP Atomic Power Plant



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
NUCLEAR POWER CORPORATION OF INDIA LIMITED  
(भारत सरकार का उद्यम A Government of India Enterprise)  
चुटका मध्य प्रदेश परमाणु विद्युत परियोजना  
CHUTKA MADHYA PRADESH ATOMIC POWER PROJECT



पंचम तल, संचार विकास भवन, रेसिडेन्सी रोड, मुख्य डाकघर के पास, सिविल लाईन, जबलपुर (म. प्र.) - 482001  
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## Greetings

*I congratulate Dr. P.K.Jhinge (Principal), Dr Agya Mishra (Head of the department), all the faculty members and pupils of the Department of Mechatronics Engineering, Jabalpur Engineering College, Jabalpur, on the eve of releasing the magazine "MEGA- Mechatronics Engineering Glimpses and Achievements" and wish good fortune and success in their future endeavours.*

*This magazine provides a great opportunity for all the faculty members as well the students in showcasing their works and achievements to the society.*

*Such projects also aid students in developing a variety of extracurricular abilities which may serve as a point of differentiation that enables them to succeed at workplace and in society.*

*Hearty Congratulations and best wishes for the grand success of the very first edition of "MEGA" 2023.*

# WORDS OF BENEDICTION

MEGA



## Mr. Saurabh Agrawal

Deputy General Manager  
Vehicle Factory, Jabalpur  
Unit of AVNL  
Ministry Of Defence

"I'm so happy to know about the release of the annual departmental magazine known as MEGA-Mechatronics Glimpse and Achievements. It is an incredibly proud moment for the entire team of JEC that, due to the sincere and dedicated efforts of all esteemed faculty members and students, JEC is progressively working on the Mechatronics field and judiciously bringing out more and more ideas that will be definitely helpful for industrial-based activities, the introduction of innovative ideas for 360-degree changes in human lives, etc. As per today's scenario, when every aspect is moving at a fast pace, growth strategies need to be redesigned and reinvented. This is only possible when the integration of various technological fields like electrical, electronics, and mechanical is done on a common platform, and this common platform is nothing but the vast field of mechatronics. Today, there is an exponential rise in IOT, IIOT, and Artificial Intelligence (AI) areas, and it is observed that various activities and ideas are implemented by mechatronics engineers, which helps in diverse fields and brings ease and comfort to human life. It is really wonderful and praiseworthy for Jabalpur Engineering College that, under the able guidance of Dr. Agya Mishra, HOD/Mechatronics Engineering, various excellent ideas related to mechatronics are in the active implementation phase. I extend my warm wishes to all faculty members and students of JEC for bringing such a magazine, which really helps us understand the best ideas and practises in mechatronics. I expect JEC to continuously release this magazine and enlighten the future generation with this emerging field for better understanding and positive changes in society, which will help the nation move ahead."

Congratulations and best wishes for future endeavours!

Regards.....

Saurabh Agrawal IOFS  
Deputy General Manager  
Vehicle Factory Jabalpur  
Unit of AVNL  
Ministry of Defence

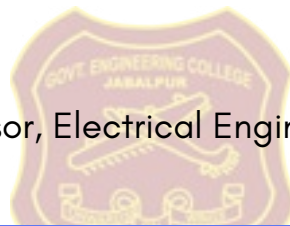
# WORDS OF BENEDICTION



**Prof M.P. Parsai**

Professor, Electrical Engineering

It is matter of immense pleasure to hear that students of Mechatronics Engineering are going to publish a magazine titled as "Mega". My hearty best wishes to students for keeping perpetual endeavours for the continuation of the magazine.



- Prof, M.P. Parsai

Professor, Electrical Engineering Department, JEC, Jabalpur



**Dr. Arvind Kumar Sharma**

Professor, Electrical Engineering

Glorious time of platinum jubilee year of Jabalpur engineering college, this new Department of Mechatronics Engineering was established in 2021. Now I see is growing rapidly.

Immense pleasure to know that "MEGA", a departmental annual magazine is releasing this year. I congratulate to HOD ,team members, and all students for this release .

I wish for future endeavours.

- Dr. A.K Sharma

Professor Electrical Engineering Department,  
Former Principal, JEC, Jabalpur





## Letter From the Student's Desk

**As a Mechatronics Engineering students**, when we entered college, we were like blank sheets of paper, with no idea of what the future held. Our **Head of Department, Dr. Agya Mishra**, inculcated vision and practises of improvement. Now, we have grown with the understanding and development of both personal and professional life.

She has a vision for the development of the department that aims to ensure the Mechatronics Engineers have the skills, knowledge, and experience in all. This magazine shows a glimpse of that vision and the activities the students performed as a team for the year 2022-23.

Additionally, we completed so many NPTEL courses for academic development, and other activities helped us to develop our academics and problem-solving skills as well in the field of Mechatronics Engineering. We are grateful for planning and opportunity.

We are setting our sights on successful placements and achieving our goals in the future. We are fortunate to be a part of the release of this magazine, "**MEGA - Mechatronics Engineering Glimpse and Achievements**," and committed to continuing its upcoming editions with new innovations.

Within the curriculum duration, we students performed these activities and developed skills such as teamwork, leadership, and problem-solving, which are essential for success in the engineering industry. We wish for more to Industry Interaction so we can refine ourselves for better placements in our careers.

None of this would have been possible without the guidance of **Dr. Agya Mishra** and the permission and blessings of the principal, **Dr. P.K. Jhinge**. We are grateful for their support and look forward to continuing our journey towards success as leaders in the field of Mechatronics Engineering.

Regards,  
Students of Department of Mechatronics Engineering

# WHAT IS MECHATRONICS ENGINEERING



## *The Synergy of Mechanics and Electronics: The Fascinating World of Mechatronics*

Pursuing Mechatronics people often ask us "What is Mechatronics Engineering?". Mechatronics is the union of Mechanics and Electronics in sync with the elements of many other disciplines. The term "Mechatronics" was coined by Tetsuo Mori (Senior Engineer, Yaskawa Electric Corporation) in 1969. With Robotics serving as the genesis, Mechatronics has come a long way and has evolved far beyond the horizons of Robotics.

As technology evolves and becomes more complex by the day, modern engineering standards have changed massively, and Mechatronics integrates elements from many disciplines of engineering to meet these modern standards.

Mechatronics is the fusion of creativity and technology. Embrace the challenge of mastering both mechanics and electronics, and you will unlock a world of limitless possibilities. Dare to dream, innovate, and make a difference.

[To Know More : Visit Here](#)

[Or Scan Here:](#)



# THE MECHATRONICS WAVE

## *Mechatronics Innovations to Watch: The Latest Trends and Development*



1

**Smart machines** are a major trend in mechatronics, leveraging AI, machine learning, and data analytics to enhance automation and efficiency. These machines have the potential to revolutionize various industries through increased autonomy and flexibility.

Mechatronics is seeing a rise in the use of robotics and automation in various industries, and **the integration of mechatronics with IoT** is leading to the creation of intelligent and interconnected systems that can adapt to real-time changes.

2



3

The use of digital twins is an emerging trend in mechatronics that allows for improved system design, performance optimization, and cost reduction. **Advancements in simulation software and 3D modeling** have made digital twins more accurate and effective in improving safety and reducing risks.



**Sophia's** impressive social skills are powered by mechatronics. Without mechatronics, her movements, speech, and power supply would not be possible.

**Sophia, the incredibly life-like humanoid robot from Hanson Robotics, took a ride in an Audi A7 self-driving car.**

4





**Mechatronics engineering plays a vital role in astronomical projects**, including the Mars Science Laboratory rover and other robots in space. Its integration of mechanical engineering, electronics, and computer science enables these machines to move, collect data, and communicate effectively

# 5

## Nasa's Mars Rover



**Agribot**

**An Agribot**, also known as an agriculture robot, is a form of autonomous robot that is used in farming to boost production and eliminate manual labor. They can be utilized for an assortment of purposes, including harvesting and precision spraying. Some researchers are even putting agribots through virtual simulations to cut expenses and improve safety.

# 6

The **Chair-Manipulator** device is a voice-controlled wheelchair and manipulator that reacts to 35 one-word voice instructions, powered by a minicomputer and powered by a voice-command analyzer.

# 7

## Voice Controlled Wheel-Chair



**I-Limb**

# 8

Mechatronics engineers are creating machines to replace and support natural body functions in the field of **Biomechanics**, with examples such as the I-Limb bionic hand. As technology advances, we may see more lifelike prosthetics and sophisticated aides for internal body parts.

**Self-Driving Technology** is cutting-edge and uses Mechatronics. Their Autopilot feature can navigate streets, intersections, and freeways, park the car, and even be summoned with a tap on your phone.

# 9



**Autopilot in Automobile**

**Berkeley Lower Extremity Exoskeleton** is another type of biomechatronics, working as a wearable system to boost a regular human's lifting capacity. It was created to help soldiers, first responders, disaster relief workers, firefighters, and other emergency professionals carry crucial supplies without becoming fatigued or weighed down. blacksmiths to create prototypes and designs.

10

## Berkeley Lower Extremity Exoskeleton



## Solar Seawater Desalination Machine with RO UV Purifier



11

The system converts **salty saltwater to pure drinkable water**. The device is portable and simple to use because it is powered by a huge battery and solar panels.

Agricultural pesticide spraying and COVID sanitization are labor-intensive tasks with human safety concerns. **A multipurpose, low-cost drone is designed for equal pesticide distribution, quick field coverage, and COVID sanitization.** The drone has six motors, an on-board camera, long-range remote control, and easy operation.

12

## Agricultural Pesticide Sprayer & COVID Sanitization Drone



## 360 Degree Rotating Fire Protection System



13

The system is powered by two motors, a powerful sprayer motor, a piping system, and an onboard wireless streaming camera. The sprayer nozzle can also be changed to change the direction of the water spray. The sprayer mechanism is designed to work in two degrees of freedom (DOF) to alter position in the X and Y axes and achieve 360-degree water spray coverage.

**Mechatronics is shaping the future of various industries by integrating cutting-edge technologies and enabling the development of smarter, more efficient, and sustainable systems, leading the way towards a more advanced and environmentally conscious world.**

# Application of Mechatronics

*The Future is Here: How Mechatronics Engineers are Changing the Way We Live.*

- Automation
- Sensor based data collection for security, maintenance and control systems
- Robotics and Artificial Intelligence
- Electric Vehicles
- UAV's
- Mechatronic control Systems
- Medical Application of Mechatronic systems
- Mechatronics based smart manufacturing



Pravaig is a indigenous luxury electric vehicle manufacturer. This is the prototype Extinction MK1.



This is Rustom-II designed and developed by the Aeronautical Development Establishment (ADE), Bengaluru.



## TOP Prominent Players of Mechatronics Industry

- Amtek
- Bosch Rexroth
- ABB
- Siemens
- ARM Holdings
- Novatech Robo

**Research and development in mechatronics** is essential for innovation and progress in various industries. Mechatronics offers numerous areas for research, such as intelligent health monitoring, novel robotic systems, smart automation technologies, and computational intelligence. Therefore, limiting mechatronics to the vehicle industry would be a narrow perspective, given its potential for advancements in diverse fields.

**To the upcoming Mechatronics Engineers:** Your work will shape the future of technology and transform industries. Embrace interdisciplinary learning and constantly innovate to create efficient, sustainable, and user-friendly systems. Develop strong problem-solving skills and collaborate with diverse teams. Be mindful of the ethical and social implications of your designs. With your expertise, you have the power to make a significant impact on society.





Building the Future with Mechatronics

# Future in Mechatronics



Mechatronics graduates have a bright future ahead of them with many career Opportunities :

Mechatronics Engineer  
Agriculture Equipment Technician  
Network Technician  
Solar Technician  
Electromechanical Technician  
Robotics Engineer

Above listed opportunities are just glimpse of how Mechatronics engineering collaborates with industries. There are a lot more which are yet to mention and many are still hidden as this engineering is going to evolve and boom with exponential pace.

## Higher Studies:

### Gate -

Mechanical engineering, electronics & instrumentation, and other fields are covered in the mechatronics engineering curriculum of JEC.

The Mechatronics Engineering syllabus at Jabalpur Engineering College covers the entire syllabus of Mechanical engineering alongside Electronics & Instrumentation with crucial pieces of other fields such as computer science engineering, giving students a broad choice of options.



# PULSE

## -THE STUDENT ACTIVITIES



Searching for opportunities to get engaged on campus and create a change? Look no farther, **our magazine's Student Activities section**, which is brought to you by a committed crew of volunteers **supervised by our Head of Department**. We have everything you need to get involved, socialise, and make a genuine impact on one's college life, from community outreach programs and social occasions to Diverse Projects and mentoring programs.



### INDUSTRIAL TRAINING PRESENTATION (01/09/2022)

**Industrial training** aims to provide good Practical knowledge and skills encouraging them in becoming a better engineer. Students presented their PPTs in either groups or individually.

This being the first activity helped boost student's confidence

The activity was organized by volunteers: Aishvaryprem Pawar, Aryan Rai, Kashish Rathore, Princy Golhar, Ritika Vishwakarma, Sneha Khare and Yash Prajapati.

### EXTEMPORE (20/10/2022)

This activity was conducted to improve the effectiveness of communication.

Students picked random topics through chits and presented their views on them.

This activity helped students to think outside the box.



The activity was organized by volunteers: Aishvaryprem Pawar, Aryan Rai, Kashish Rathore, Princy Golhar, Ritika Vishwakarma, Sneha Khare and Yash Prajapati.







## ADVERTISEMENT DESIGN (10/11/2022)

This activity was conducted to bring out the creative and fun side of students. Four topics (**E-website/app, TWS, E-Vehicle, Alcohol**) were given and students prepared the Digital Posters in 30 min and some enacted the advertisement. The activity helped in improving Speaking skills.

The activity was organized by volunteers: Aishvaryaprem Pawar, Aryan Rai, Kashish Rathore, Princy Golhar, Ritika Vishwakarma, Sneha Khare and Yash Prajapati.

## THE QUIZ ACTIVITY (19/01/2023)

The activity was conducted in order to **engage students in a competitive environment**, the activity was set in two rounds, the first round had questions related to technical background, in which questions were framed from the syllabus of the semester. The second round had questions related to current affairs.

The activity was organized by volunteers: Bharat Awasthi, Ichchhanshu Jain, Md. Ibrar Alam, Nikhil Koshta.



## THE GROUP DISCUSSION ACTIVITY (09/02/2023)

The exercise was divided into two sections, with topics ranging from national to international to general. The students were separated into groups and asked to present their perspectives on the entrusted themes. **Students responded ecstatically to the exercise and contributed significantly to its overall success.**



The activity was volunteered by: Pranay Shukla, Pawan Pratap Singh, Shyamwendra Pratap Singh

# Showcase

## -THE STUDENT ACHIEVEMENTS

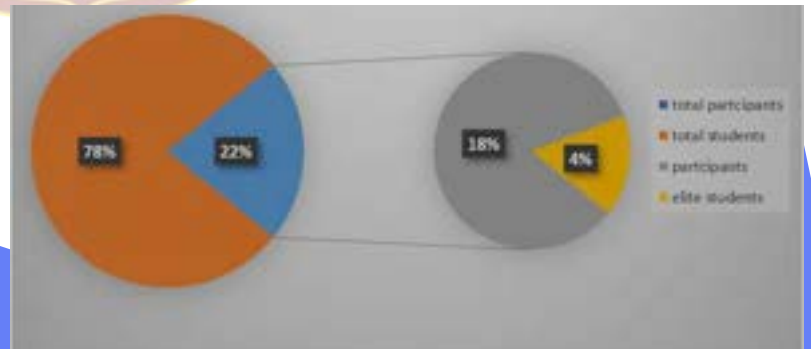
It's vital to recognize our amazing students' accomplishments! We honor the hard graft, perseverance plus ability of our branch's students who have triumphed in various events, winning certificates and accolades along the way. Our students have established that they are not just committed to their coursework but also to exploring their interests and passions beyond the classroom via competitions and achievements, athletic competitions, and cultural festivals. Make yourself at home, scoop up a morning brew, and join us in recognizing our students' incredible achievements.



### NPTEL

15 students of Batch 2025 had successfully qualified the IoT, BioMEMS, Microfluidics, and Enclosures Device of Electronics Equipment NPTEL courses in 2022, with 13.3% receiving **Elite Certification** for completing the course with a grade of more than 85%. This is the highest level of engagement from any branch.

- Aditya Patel
- Ajay Yadav
- Ashish Gupta
- Atharv Talankar
- Ayush Gupta
- Ichchhanshu Jain
- Kartik Yadav
- Lokesh Dhaker
- MD Ibrar Alam
- Pawan Pratap Singh
- Pranay Shukla
- Priyan Singh
- Suryansh Bajpayi
- Vaibhav Thakur
- Vivekanand Shah



## BIG ACHIEVEMENT FOR DEPT. OF MECHATRONICS ENGINEERING

Nptel which is a country wide running programme offering certificates in additional courses to graduate students also offers certificates to students in a course named "Kinematics of Mechanisms and Machines". This year, in 2023, 1300+ people enrolled for this course out of which only 23 students got qualified.

It's our pleasure to announce that out of those 23 students from our country 7 were from our branch.

# MEGA

On the occasion of Engineer's Day, 2022, a poster designing competition was organized by JEC and **Ayush Gupta(4th Sem)** from our branch won the 3rd prize.

**Pratyush Sahu(4th Sem)** won the 1st prize in the Poetry Competition organized by Tooryanad, the Cultural Committee of MANIT, Bhopal.

**Atharva Talankar(4th Sem)** a student of our branch participated in the Stand-Up Comedy Competition on the occasion of Kashiyaatra Fest organized by IIT BHU and won the 1st prize.

## Hackathons

- **SIH-2022** - The finalists of the Smart India Hackathon festival included five talented students from our branch.

**Team Modulus- Aishvaryaprem Pawar, Pawan Pratap Singh, Princy Golhar, Varsha Gurbani, Yash Prajapati(4th Sem)**

- **HACKBYTE IIITDM JABALPUR** - these student represented the jec in the event organized at IIITDM jabalpur a 3 days hackathon held from 7 April to 9 April..The project was appreciated and was short listed for the final round of pitching.

**Team Tech Titans Jec- Nitin rai, Nikhil koshta, Bharat Awasthi(4th Sem)**

- **JIC HackFest 4.0** - Top 15 startup ideas were selected from 300+ startups in Jabalpur Incubation Centre out of which one was from a student of Mechatronics Engineering, **Varsha Gurbani (4th Sem)**

## Nukkad Natak

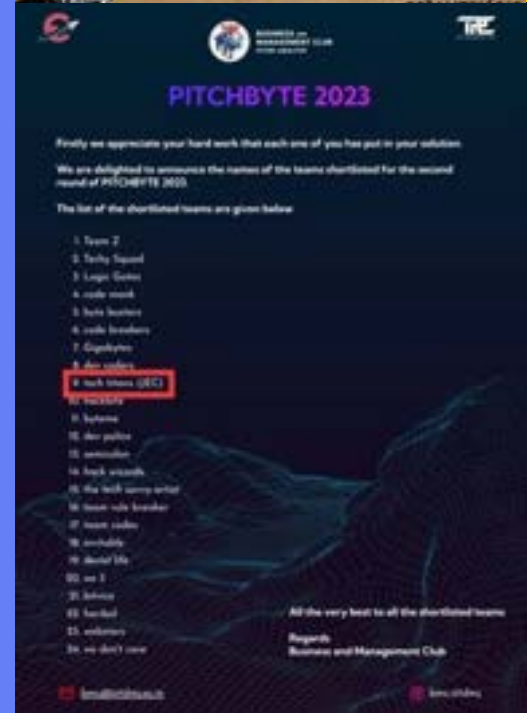
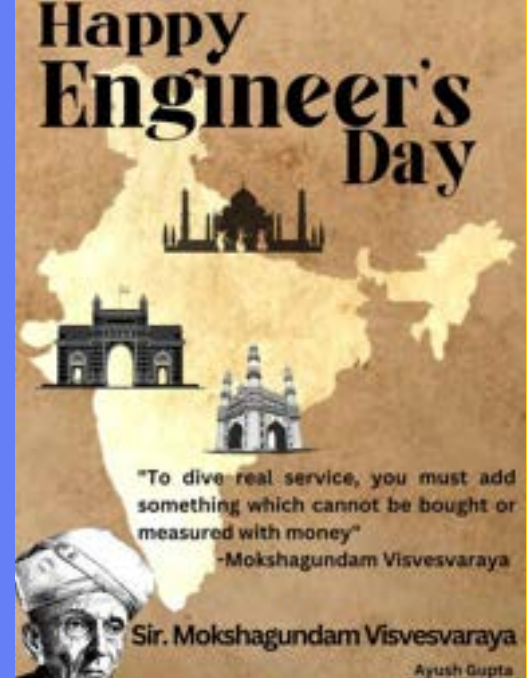
2 students participate in ELC Nukkad natak and secure 1ST position in FINALS AND SEMI FINALS

**Anushka Pandey(2nd Sem) and Sneha Chatterjee(2nd Sem)**

RAAG the musical club of JEC organized a competition in which **Kunal Verma(4th Sem)** won the 1st prize.

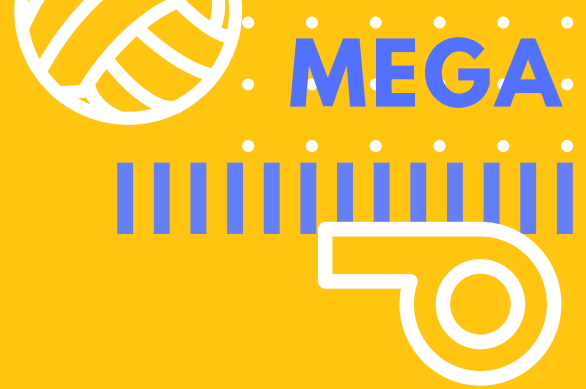
Two student from the Department, **Nitin Rai and Ajay Yadav(4th Sem)** are constantly working on E-Bike project under the Automotive Society of JEC

Aside from the challenging academic program, our students are engaged in an array of extracurricular activities that optimize their learning experience and allow them to demonstrate their abilities. They diligently compete and prosper in competitions organized by Cultural Societies of JEC as well as other institutions.





# THE SPORTS TRIBUNE



## International level

**Nikhil Koshta(4th Sem)** Secured 94th position out of 347 players in 3rd GM International tournament for Chess 2022, Ahemdabad  
he also Participated in 4th Bangalore Open FIDE rated tournament of Chess.

## Nationals level

**Abhi Jat(4th Sem)** participated in two Pre-Nationals in shooting :  
i) All India G.V. Mahavlakar .  
ii) West Zone (Zonel Pre-National).

He also participated All India open National competitions :  
MHOW and 011 INDIA OPEN COMPETITION - RIFLE/PISTOL 2023.



## State level

**Abhi Jat(4th Sem)** participated in 25th MP State Shooting Championship 2022 and qualify for Pre-National and Inter college State level Shooting compittitions, where he become 4th runner up.



## District level

**Abhi Jat(4th Sem)** participate in Inter college nodel rifle Shooting competitions, where I secured 3rd position.

**Nikhil Koshta(4th Sem)** Secured 3rd rank in Jabalpur Chess tournament 2017 (Under-15 Boys)

## Aavahan

The **AAVAHAN sports carnival of JEC** was a resounding hit for the department, as every student engaged passionately in numerous games and activities. The event highlighted the students' talent and commitment as they competed warmly and professionally.

**Girls from the Department of Mechatronics won first place in Futsal and Runner Up in Basketball, defeating all opponents and exhibiting true Women Empowerment.**





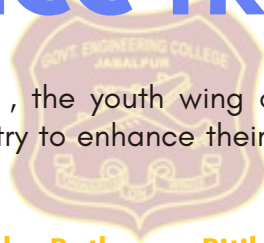
## OTHER FESTS

A bunch of pupils from our college engaged in the SPARDHA sports tournament at IIT BHU. They engaged in football and basketball games against other institutions, showcasing their talents and zeal. They had a terrific time and learned a lot. We are delighted by their accomplishments and commend them for displaying our college so effectively.

- **Prashant Jhakhmola(4th Sem) - football**
- **Shyamwendra pratap singh(4th Sem) - basketball**

## THE NCC TRIBUNE

**The National Cadet Corps (NCC)** , the youth wing of Indian Armed Forces provides an opportunity to the youth of our country to enhance their skills in order to get one step closer to live army life.



**Our branch students : Kashish Rathore, Ritika Vishwakarma, Sneha Khare, Shyamwendra Pratap Singh, Rahul Mehra, Abhi Jat, Omsri Raikwar, Prashant Jhakhmola**

are a part of NCC and are representing our branch with great enthusiasm.





रिश्ते इनसे होते हैं मुक्का लातों के,  
ये होते हैं संगी,  
खट्टी मीठी यादों के...  
ये वो हैं जो हमारे सारे राज जानते हैं,  
ये वो हैं जो राय पूछते हैं,  
पर कुछ नहीं मानते हैं...  
ये वो हैं जो करते हैं,  
यारी के लिए अपनी जान भी हाज़िर,  
पर यार की कितनी होती है इज्जत,  
वो तो है जग जाहिर,  
इस दोस्ती के नाते में घाटे भी बहुत हैं,  
इनके चक्कर में पड़ती घर में डांटे भी बहुत हैं,  
पर दोस्ती भी कहाँ फ़ायदा देख की गई थी,  
जहाँ की गई, वहाँ दोस्ती कहाँ की गई थी,  
ये यार ही तो हैं,  
जिनसे नहीं पड़ा छुपाना अपना बुरा से बुरा,  
जो हैं दर्द में दवाई भी, और गम में सुरा....

-Pratyush Sahu, (4th Sem)



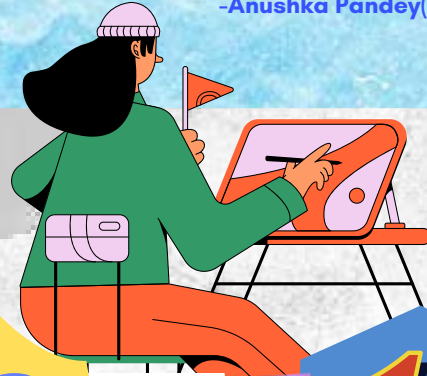
-Sneha Khare, (4th Sem)

Our Teachers, Our Heros"

A teacher is a person, who helps us to realize our potential,  
They are never off duty, even if its very essential .  
They always bless us with full prayer  
And helps us to solve even difficult Questionnaires.  
Yes, They are the "TEACHERS", who work even in tough times,  
and never say "No" to any of our doubt lines !  
of course, they are the real HEROES  
who work hard and play their key roles  
...to make us superheroes!  
They are the one, who show us the real vision of education  
and school  
And show us the path-road, that has to be woolled !  
They cure our mistakes, with full patience,  
who work with determination, and tell us each and every  
complaisance.  
Of course, our teachers cannot be just described in simple words,  
They quickly solved our problems that had occurred.  
At last, I would like to thank all our beloved teachers,  
who taught me in such a way,  
That will help me in making my day!!

-Anushka Pandey(2nd Sem)

**Wow!**

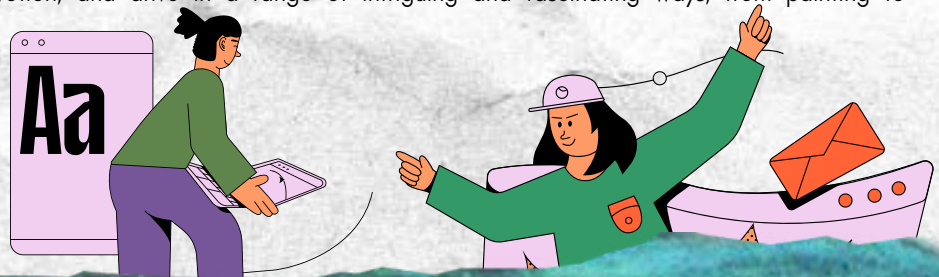


# Techkrati

Welcome to the Fun Zone, where we spotlight our students' outstanding talents and passions outside of their academic pursuits. This section of our magazine delves into our students' diverse hobbies and interests, emphasizing their incredible skills and achievements. Our children are displaying their originality, devotion, and drive in a range of intriguing and fascinating ways, from painting to literature.



-Kashish Rathore, (4th Sem)



-Rahul Mehra, (4th Sem)

एक आखरी बार !

हम बेवफा से वफा कर लेंगे,  
तू वफादारों को साथ लेता जा,  
हम दुआ तेरे लिए कर लेंगे,  
खैर तू बददुआ तो देता जा ।

धोखों के इस दौर में मैं दिल लगा लेता हूँ,  
कोई भी वक़्त हो हस्कर गुज़ार लेता हूँ,  
फूलों से रंग, चांद से रोशनी लेकर,  
तेरा, हर आसमान में नक्शा उतार लेता हूँ।

ये जो बेगाने से हम हर बार नज़र आते हैं,  
तेरी ही पसंद थे अब तुझ ही को ना भाते हैं,  
तेरी झलक का इंतज़ार करने को जागा करते थे,  
वरना हम तो अक्सर जल्दी सो जाते हैं!

मेरे दामन में तोह काटों के सिवा कुछ भी नहीं,  
आप फूलों के खरीदार नज़र आते हैं।  
अदालत में कौन गवाही मेरी देगा 'उवैस'!  
सब उसके ही तरफदार नज़र आते हैं।

हर इश्क की इतिहा हो ये ज़रूरी तो नहीं !,  
हर रात की सुबह हो ये ज़रूरी तो नहीं!,  
नींद तो दर्द के बिस्तर पे भी आ सकती है,  
उनकी गोद में सर हो ये ज़रूरी तो नहीं।

मोहब्बत की सज़ा मौत हो, ज़रूरी तो नहीं !,  
इस बदन में जान हो ये ज़रूरी तो नहीं!,  
मेरा तो जनाज़ा खैर से उठना ही है,  
पर मोहब्बत का उठ जाए, ये ज़रूरी है अभी.. ।

-Mohammad Owais Khan (4th Sem)



★ A PERFECT MOMENT ★



★ BATCH 2021-25 ★

THE 1ST BATCH OF

DEPARTMENT OF MECHATRONICS ENGINEERING  
JABALPUR ENGINEERING COLLEGE, JABALPUR

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Meet the Masterminds: The People  
Behind Our MEGA Magazine

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# Questionnaire

In this section, we have gathered some frequently asked questions and have asked our students to share their insights and experiences.

Read on to discover what they have to say!

Some of the answers are featured here, given by : Pratyush Sahu (4th Sem), Abhyadan Kushwaha (2nd Sem), Sneha Chatterjee (2nd Sem), Anushka Pandey (2nd Sem)

**What was your first impression when you entered college?**

College's New Gate

Delivered

First Impression was as Huge as Banayan Tree in Parking

Delivered

**What you thought college would be like and what it actually turned out?**

I thought, there won't be much fun. Only studies and studies. But then the various clubs in the college, those days of induction programme, totally changed my mind. And now, I really enjoy being a part of our college

Delivered

**How did you explain mechatronics to the people who asked about your Branch?**

I simply say that it's a combination of mechanical, electrical and computer science engineering and mechatronics engineer makes highly advanced machine and robots.

Delivered

**Your first experience with your seniors?**

"Mechatronics Family "- Yes ! This is what we would call. I first met my seniors in the Mechatronics Department and had a good interaction with them . After some interactions I got to know that I have really got friendly , talented and understanding seniors who are always ready to support , motivate and help us . . .

Delivered

Type your message

FAQ

**It's been a pleasure bringing you the latest and greatest in Mechatronics. We can't wait to see what the future holds!**

**As we wrap up this edition of MEGA magazine, we're already looking forward to the next one. Stick with us for more fascinating innovations and groundbreaking research in the world of Mechatronics.**



**To be Continued...**