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Samridhi Sarwajanik Charitable Trust's
JHULELAL INSTITUTE OF TECHNOLOGY

An Autonomous Institute affiliated to RTM Nagpur University

Department of Applied Science & Humanities

Off Koradi Road, Lonara, Nagpur - 441111.

DTE Code: EN4139

E-Mail ID : admin@jitnagpur.edu.in Website : www.jitnagpur.edu.in



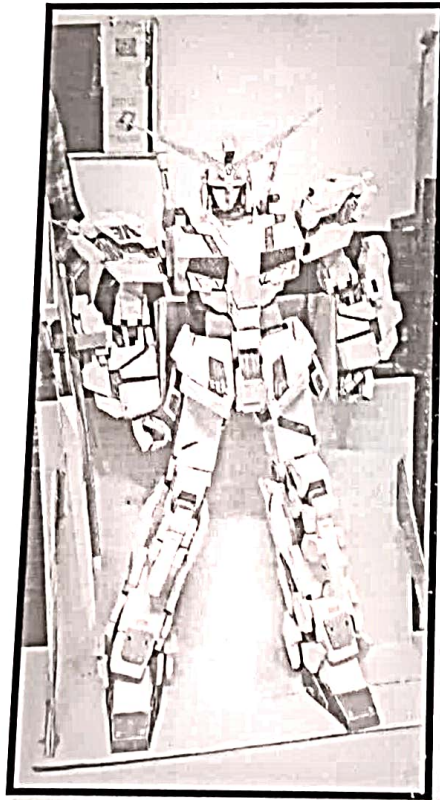
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Vision: Prepare and upgrade the students to build a strong foundation so as to apply the theoretical knowledge to practical applications. This will help us to create thorough professionals serving as a valuable resource for industry.

Origami Meets Engineering: First-JIT's 1st Year Students Unveil UNICRON Robot

The UNICRON robot is a precision-focused mechanical engineering project developed by B. Tech. First Year Mechanical students of Jhulelal Institute of Technology. It emphasizes origami-inspired mechanisms, accurate fabrication, and iterative testing. The design and visualization were developed using Blender.com. to model parts and simulate kinematics. The final prototype demonstrates reliable motion, repeatable folding sequences, and effective teamwork-driven execution. Project was executed under a very low budget. The project team of four has- Mr. Tirth Choudhary, Mr. Spandan Tirpude, Mr. Nikhil Deshmukh, Mr. Lokesh Bagade. Project was successfully completed under the guidance of Prof. Ninad Gahane.

The team acknowledges faculty guidance, access to workshop facilities, and the collaborative effort of all members which made the UNICORN Project possible. Students were thankful to Dean Admin & Director Dr. Hemant Asrani, Mr. Pramod Pampatwar, Director Technical, Dr. Narendra Bawane, Principal, Dr. Sohel Bhura, Vice Principal, Prof. Gulshan Makkad, HOD AS & H, Prof. Ninad Gahane, for unconditional support.



Adharkas

Prof. A. D. Dharkas

Photo of Prototype

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Prof. G. O. Makkad

Final copy. 20/10/25



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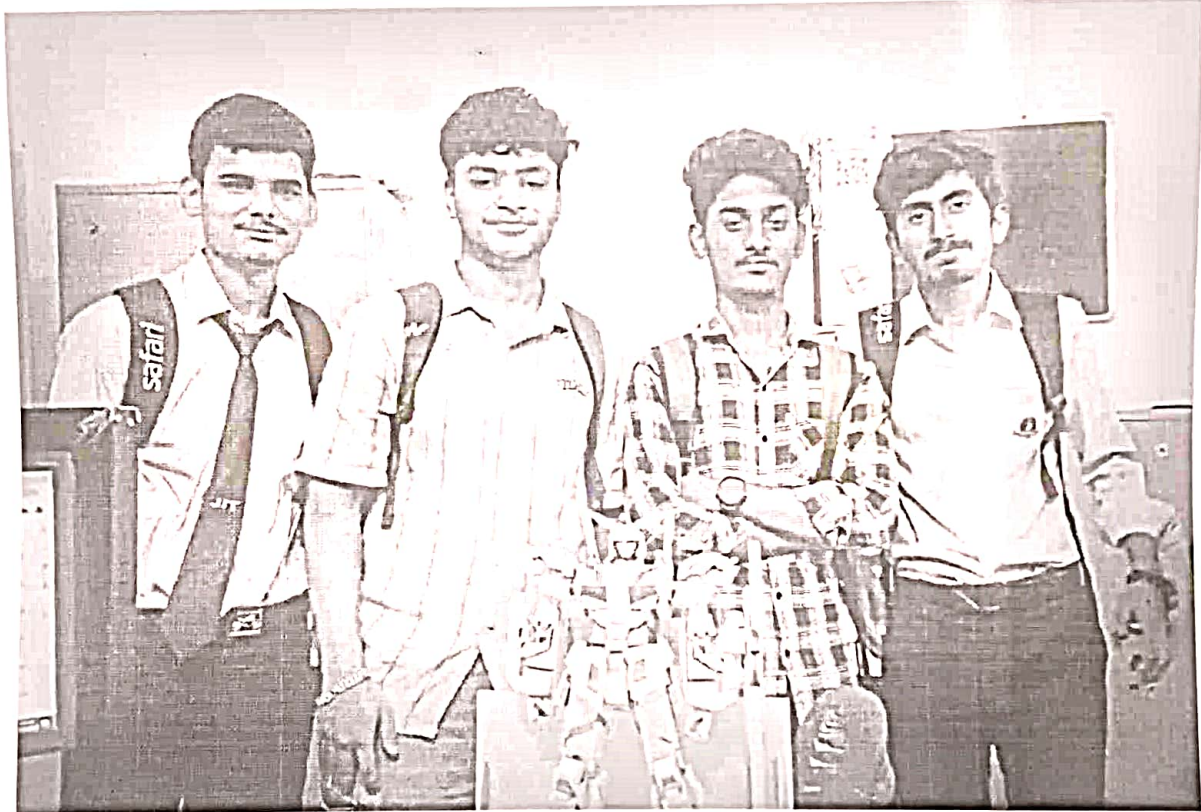
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Projectees: Mr. Tirth Choudhary, Mr. Spandan Tirpude, Mr. Nikhil Deshmukh, Mr. Lokesh Bagade.

ADDHARKAR

Prepared By,

Prof. Ashwini Dharkar

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HOD AS & H

Prof. Gulshan Makkad