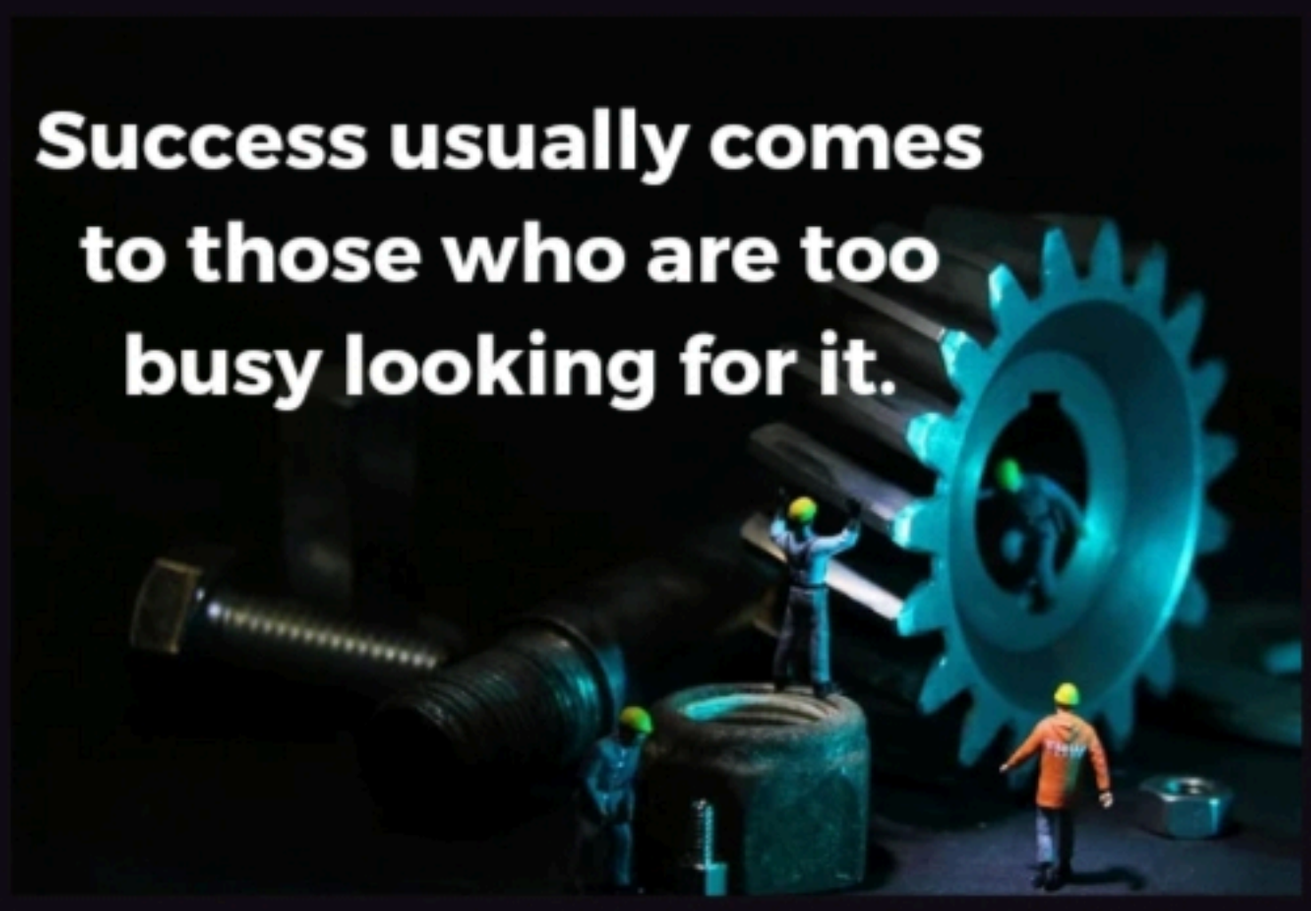

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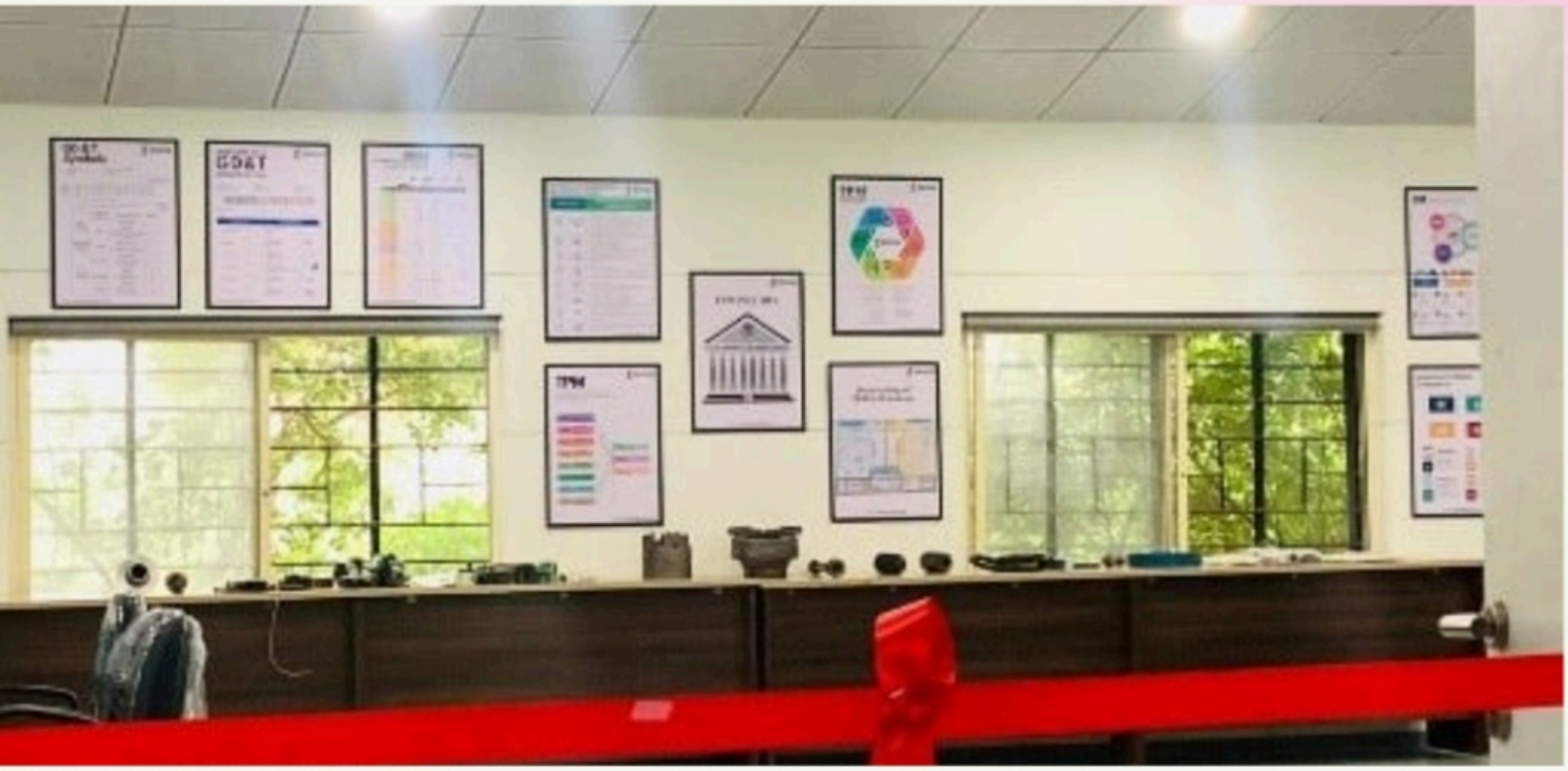
MAHARASHTRA INSTITUTE OF TECHNOLOGY



Launch of Value Added Certification Course in collaboration with Sanjeev Auto Pvt. Ltd. under their Bridge Initiative

“Elite Manufacturing Mastery Program”

1st batch of 17 students started from 18th August 2023

About:

Education sector in India and across the globe has seen tremendous development in the last few decades. Achieving academic brilliance through innovation, industry integration and internationalization can build long term holistic implications in the area of teaching learning. The curriculum coupled with high quality teaching can construct the backbone of the rigorous academic programme being offered. The process would encourage and involve learners in their academic journey and make them ready to face the challenges of the dynamic business environment and to provide necessary skills to increase the employability quotient and equipping the students with essential skills to succeed in life.

Industrial Visits

Bharadwaj Industries, Waluj for SY Class

MSRTC Divisional Workshop, Chikalthana for TY (A,B,C)

Student Achievements in R&D

1. Ganesh Surushe and Tushar Walwekar.
Journal Publication: Improving the wear performance of PA-6 by reinforcing graphite and subsequent cryogenic treatment. (Transactions of PMAI, Volume 48, June 2023, 66)

2. Prasad Kulkarni and Amey Kulkarni.
Journal Publication: Morphological Alterations in WO3-SnO2Heterostructures and their Effects on Chlorine Sensing. (Sensors and Actuators B: Chemical, April 2023,388, 133800)

3. Prasad Kulkarni and Amey Kulkarni.
Patent: Nano Heterostructures WO3-SnO2 Composite for Application in Dye Degradation and CO2Photoreduction. (Application No.: 202221034266, Patent Grant No.: 417746)

4. Anupras Manwar, Tanmay Bhongade and Prasad Kulkarni.
Book Chapter: Insights & Applications of Double Positive Medium Metamaterials in "Electromagnetic Metamaterials: Properties and Applications" by Wiley-Scrivener

5. Arihant Jain, Avinash Kale, Krushna Hede and Satyam Kakde.
Best Research Paper Award at International Conference on Environmental Sustainability (ICES-2023), V.J.T.I. Mumbai on March 16-17, 2023

6. Arihant Jain, Satyam Kakde and Tushar Walwekar.
Sponsorship for Project: Development of automatic indication shut-off mechanism for 2-wheelers
Sponsor: SD Auto, Aurangabad. (Amount: INR 10,000/-)

R&D Activities by Faculty Members

- Journal Publications: 11
- Conference Publications: 07
- Patent: 04
- Book: 01
- Book Chapters: 02
- FDP Attended: 09
- Conference Attended: 03
- Research Grants: 04 (03 Completed & 01 Ongoing)

Expert talk on unlocking chat GPT and AI tool

On 15th September 2023 on the occasion of engineer's day expert lecture on "unlocking Chat GPT and AI tool" was conducted. Speaker for this lecture is seminar is Mr. Sudarsh Katariya sir.He guided the students about the current features in Chat GPT.

एमआयटीमध्ये इंजिनीअर्स 'डे' साजरा

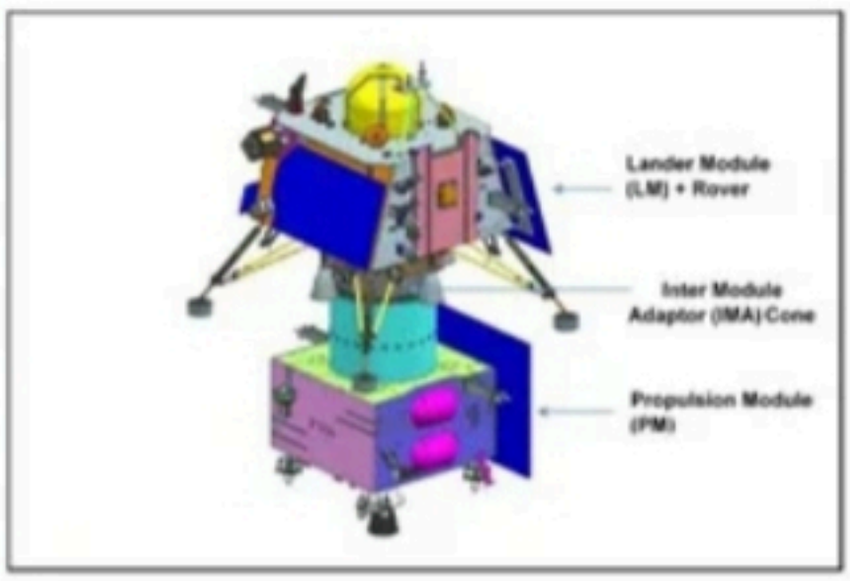
छत्रपती संभाजीनगर, (सांजवार्ता ब्युरो): रोट्रॅक्ट क्लब ऑफ अचिव्हर्स औरंगाबाद तर्फे एमआयटी कॉलेज येथे इंजिनियर डे निमित्याने कॉलेजमधील विद्यार्थ्यांसाठी सीएचएटी जीपिटी व एआय तंत्रज्ञानावर शुक्रवारी (दि.१५) कॉलेजमधील २०० ते २५० विद्यार्थ्यांनी सहभाग घेतला. सदरील सेमिनारचे प्रमुख मार्गदर्शन सुदर्श कटारिया, सामुयल पाटोळे व नितीन माने यांनी केले. हा कार्यक्रम रोट्रॅक्ट क्लब ऑफ अचीव्हर्स औरंगाबादचे अध्यक्ष ऐश्वर्य दरगड, सचिव प्रथेमेश भारूका तचेच क्लब ट्रेनर कौस्तुभ चंडालीया व इतर सदस्यांनी परिश्रम घेतले. तसेच हा कार्यक्रम पार पाडण्यासाठी कॉलेजचे संचालक डॉ. संतोष भोसले, रजिस्टार सचिन लोमटे, विभाग प्रमुख डॉ. अशोक खेचे, मेसाचे कोऑर्डीनेट फारुकी तचेच भोसले या सर्वांचे सहकार्य लाभले.

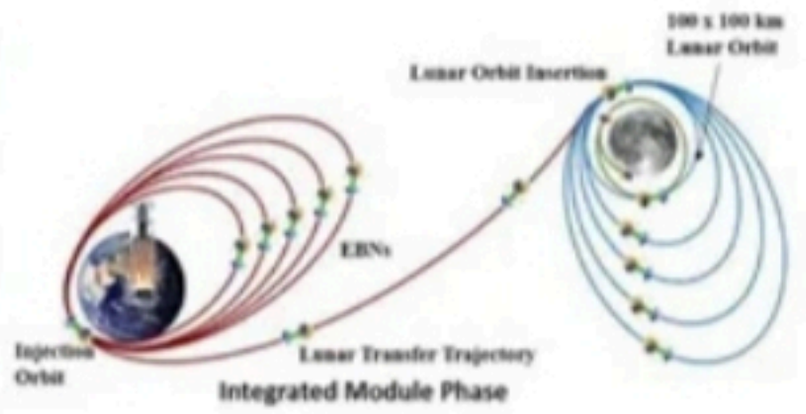
Article

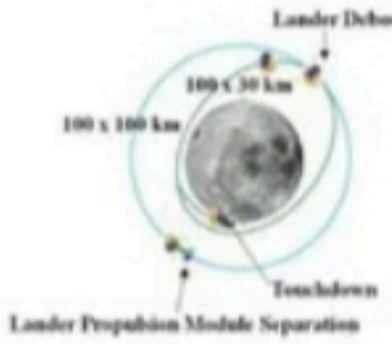
Chandrayaan-3

Chandrayaan-3 is a follow-on mission to Chandrayaan-2 to demonstrate end-to-end capability in safe landing and roving on the lunar surface. It consists of Lander and Rover configuration. It will be launched by LVM3 from SDSC SHAR, Sriharikota. The propulsion module will carry the lander and rover configuration till 100 km lunar orbit. The propulsion module has Spectro-polarimetry of Habitable Planet Earth (SHAPE) payload to study the spectral and Polari metric measurements of Earth from the lunar orbit.

Chandrayaan-3 consists of an indigenous Lander module (LM), Propulsion module (PM) and a Rover with an objective of developing and demonstrating new technologies required for Inter planetary missions. The Lander will have the capability to soft land at a specified lunar site and deploy the Rover which will carry out in-situ chemical analysis of the lunar surface during the course of its mobility. The Lander and the Rover have scientific payloads to carry out experiments on the lunar surface. The main function of PM is to carry the LM from launch vehicle injection till final lunar 100 km circular polar orbit and separate the LM from PM. Apart from this, the Propulsion Module also has one scientific payload as a value addition which will be operated post separation of Lander Module. The launcher identified for Chandrayaan-3 is GSLV-Mk3 which will place the integrated module in an Elliptic Parking Orbit (EPO) of size ~170 x 36500 km.

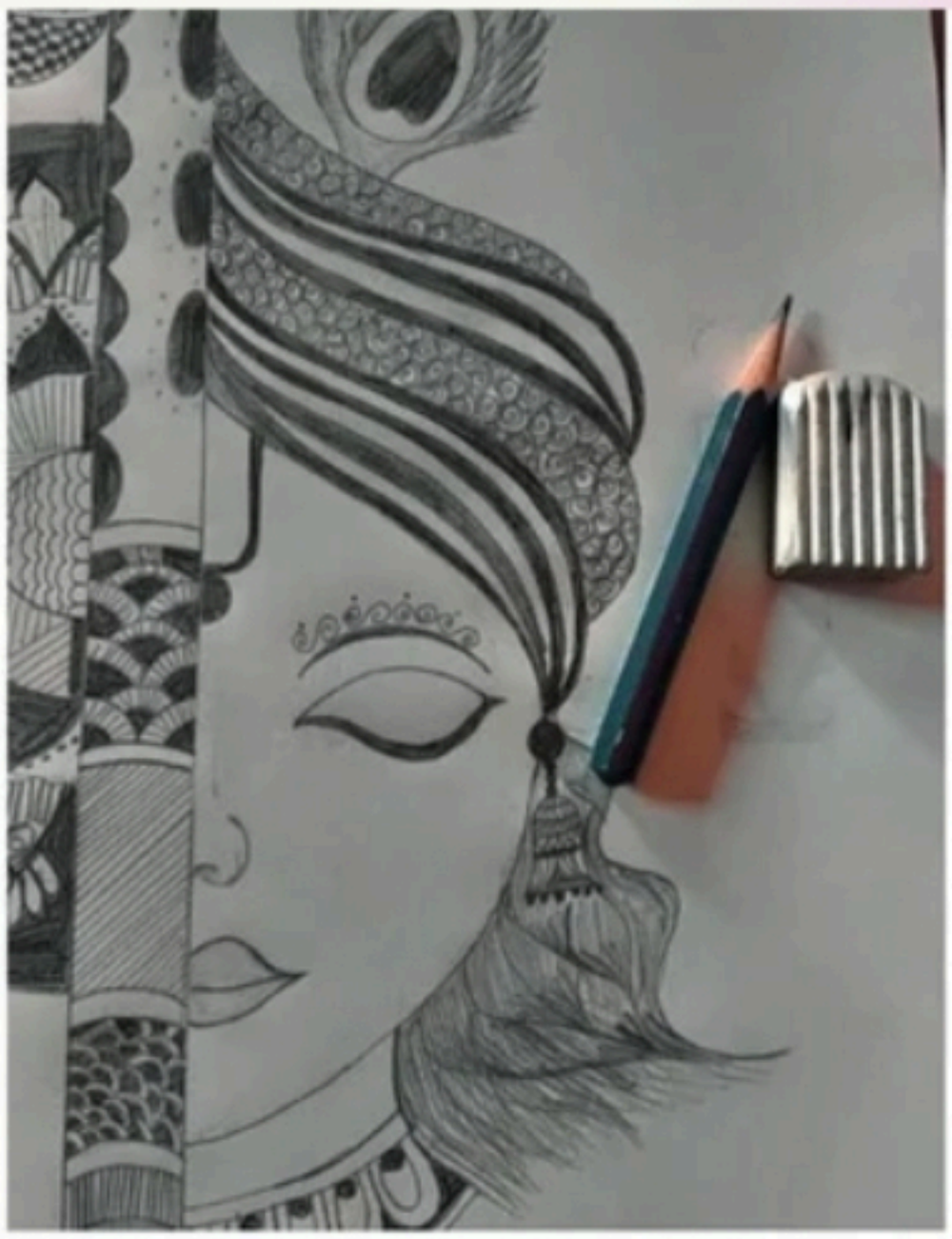






-By Prathamesh Jadhav

Art Corner



-By Krishna Hede


Thank
you