



Team Crawlers

Shri Mata Vaishno

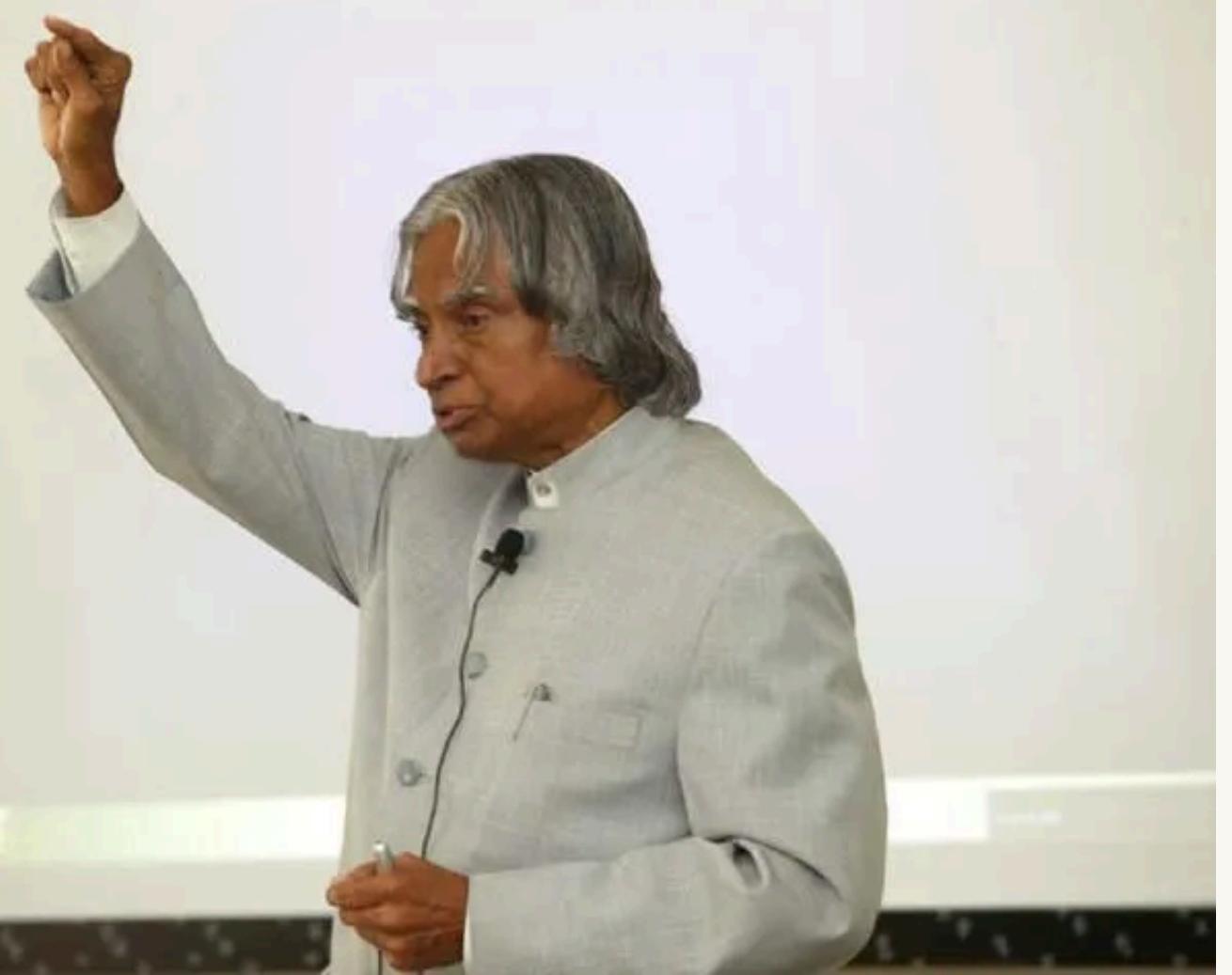
Devi University





Shri Mata Vaishno Devi University

is a centrally funded, UGC & AICTE approved and one of prominent colleges in nation. It Offers various undergraduate, post-graduate, and doctoral programs in Engineering, Management, Science and Humanities. The University started functioning as an academic unit in Aug 2004 when it was inaugurated on 19th August 2004 at the hands of the then Hon'ble President of India Dr. A.P.J Abdul Kalam. Dr. Kalam also delivered the first lecture to the students of the University.





The BAJA SAE Competition originated at the University of South Carolina in 1976, under the supervision of Dr. J. F. Stevens. Since then, every year SAE hosts International events where universities from all round the globe participate, placing their self-designed vehicles to severe testing as per the challenge involved

BAJA SAE INDIA 2025, the 18th edition of the competition, continues its legacy of connecting students with the motorsports industry, evolving from mBaja's combustion engines in 2007 to now featuring autonomous and hydrogen-fueled vehicles. This edition, conducted in three phases, integrates both virtual and physical platforms, attracting over 190 teams globally. The competition will test technical and professional skills through online and dynamic simulation events, offering a comprehensive experience that aligns with the latest industry trends.



Previous Achievements

Governor flags off Team Mechanix from SMVDU for SAE-BAJA 2018

JAMMU BULLETIN NEWS

JAMMU, MAR 7:

Honorable Governor J&K Shri N.N. Vohra accompanied by Vice Chancellor of SMVDU Prof Sanjeev Jain, flagged off Team Mechanix Shri Mata Vaishno Devi University to SAE-BAJA 2018 to be held at IIT Ropar, Punjab, from 8th to 11th March, 2018. A team comprising of 25 students from School of Mechanical Engineering mentored jointly by Dr. R. K. Mishra, Assoc. Professor, School of Mechanical Engineering and Mr. Mir Irfan Ul Haq, Assistant Professor, School of Mechanical Engineering have fabricated an All Terrain Vehicle. The vehicle is having a total weight of 230 kgs and is equipped with Constant Variable Transmission System. The team representatives Shivam Yadav, Abhishek Kumar and Abhishek Shukla thanked the university authorities for the financial support and the external sponsors for the event which include SMVDU-TBIC, SMVDN Super-specialty Hospital and



Megapower. SAE BAJA is an annual event organized by the SAE INDIA (Society of Automotive Engineers) in which student from various colleges compete for designing an All Terrain Vehicle (ATV). This year around 420 colleges all over the country are participating in this event. It is pertinent to mention here that Team Mechanix SMVDU is the only team from the State of Jammu and Kashmir. The Vice Chancellor Prof. Sanjeev Jain congratulated the team members for the successful fabrication of the ATV (All Terrain Vehicle) and lauded

the efforts put in by the faculty, students and the workshop staff associated with the automobile lab. Dean Faculty of Engineering, Prof. V. Verma conveyed best wishes to the team.

Head School of Mechanical Engineering Prof. D. B. Laata briefed all the dignitaries present on the ceremony about the SAE BAJA event. The faculty advisors thanked the university authorities, faculty members of the school, and the workshop staff especially Mr. Chandan Sharma for their efforts to make the project a success.

Team Mechanix SMVDU qualifies Virtual Round of SAE BAJA-2018



SMVDU Katra: Team Mechanix of the Dept. of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra has emerged as the only team to qualify for the next stage from the Jammu & Kashmir and ranked under 50 among new teams in the SAE BAJA 2018. The team consisting of 25 members mentored by Dr. R.K. Mishra Associate Professor and Er. Mir Irfan-Ul-Haq Asst. Professor, was represented by five members Shivam Yadav (Captain, Steering Design), Abhishek Kumar (Vice Captain, Roll Cage Design), Abhishek Shukla (Manager,

₹ Online Payment



Scholarships for Meritorious Students

Latest Notifications

- SPOT ROUND ADMISSION for B.Tech.(Direct Admission) [Spot Round Application Form]
- Spot Round Admissions for B.Arch.(Direct Admission) For very few left-over seats
- Advertisement for Applications, for the post of Librarian and Deputy Librarian
- Welcome to 2017 JOSAA students
- Notification for Candidates Provisionally selected for admission in Ph.D. program in Mathematics
- Notification for Candidates Provisionally selected for



Katra (JK) Governor J&K N.N. Vohra accompanied by Vice Chancellor of SMVDU Prof Sanjeev Jain, flagged off Team Mechanix Shri Mata Vaishno Devi University to SAE-BAJA 2018 to be held at IIT Ropar, Punjab, from 8th to 11th March, 2018. A team comprising of 25 students from School of Mechanical Engineering mentored jointly by Dr. R. K. Mishra, Assoc. Professor, School of Mechanical Engineering and Mr. Mir Irfan Ul Haq, Assistant Professor, School of Mechanical Engineering have fabricated an All Terrain Vehicle. The vehicle is having a total weight of 230 kgs and is equipped with Constant Variable Transmission System.

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RisingKashmir

SMVDU team qualifies virtual round of SAE BAJA-2018

Published at August 09, 2017 02:50 AM | Comment(s)| 0 views

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Rising Kashmir News

Jammu:

Team Mechanix of the Dept. of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra has emerged as the only team to qualify for the next stage from the Jammu & Kashmir and ranked under 50 among new teams in the SAE BAJA 2018. According to a spokesman, the team consisting of 25 members mentored by Dr. R.K. Mishra Associate Professor and Er. Mir Irfan-Ul-Haq Asst. Professor, was represented by five members Shivam Yadav (Captain, Steering Design), Abhishek Kumar (Vice Captain, Roll Cage Design), Abhishek Shukla (Manager, Suspension Design), Manish Kumar Singh (Transmission and Tyres) and Aditij Tandon (Core Team Member) for the Virtual Round in Chandigarh.

BAJA SAE INDIA gives engineering students an opportunity to showcase skills in designing four wheeled, single seater, all terrain automobiles.

These vehicles are evaluated on the basis of Static, Dynamic and Durability events taking into consideration design, cost, presentation, build quality, innovation, acceleration, maneuverability, hill climb, suspension, traction and endurance.

Promoted by Mahindra and Mahindra, BAJA SAE INDIA is the biggest automobile national-level intercollegiate event which takes place every year since 2007.

The spokesman said that this year, the organizer's received 388 entries, out of which 180 college have been shortlisted for conventional Baja and E-Baja.

News Updates

Protests in IUST campus

India a major foreign policy priority for US: Verma

Feeling of unease among Indian Muslims: VP Hamid Ansari

Shutdown in Pulwama

Amid #Article35A row, Mehbooba to meet PM

Archives

Search...

Our university has participated in the SAE mBAJA in year 2015 & 2018. We are representing the union territory of Jammu & Kashmir and only team from this region.

Our Achievements

SMVDU Team qualifies for BAJA SAEINDIA 2025 virtual round

EARLY TIMES REPORT

JAMMU, Aug 1: Team CRAWLERS from SAE Club Under Board of Professional Activities of Shri Mata Vaishno Devi University has made a significant impact at the BAJA SAEINDIA 2025 Round-I, held on 20th July, 2024. Competing in the eBAJA category, the team outperformed numerous returning teams, demonstrating remarkable prowess and innovation. Pertinently, SMVDU's team is the only team from Jammu & Kashmir to participate in the final round of BAJA SAEINDIA 2025.

The BAJA SAEINDIA competition, known for its rigorous standards and intense competition, challenges teams to design, build, and race an off-road vehicle that can withstand the harshest terrains.

The presentation round, a critical component of the competition, evaluates teams on their design, research, and overall strategy.

The CRAWLERS' outstanding performance is a reflection of their months of hard work, meticulous planning, and innovative thinking. The team, comprised of final-year engineering students, demonstrated not only technical proficiency but also a deep understanding of the principles of sustainable engineering, which is crucial in the eBAJA category focusing on electric vehicles.

Dr. Mir Irfan Ul Haq, Assistant Professor,

SME and Dr. Ankush Raina, Assistant Professor, SME, the faculty advisors for the CRAWLERS, expressed immense pride in the team's accomplishments.

"This is a phenomenal achievement for our students. Competing against experienced teams and securing a high score in the presentation round speaks volumes about their capabilities and commitment.

We are excited to see how they perform in the upcoming rounds.

"Team leader Mr. Divyansh Kale, highlighted the team's journey, stating, "Our journey to the BAJA SAEINDIA 2025 has been challenging yet rewarding. Our score in the presentation round is a reflection of our team's synergy and relentless effort. We are motivated to push our boundaries further and excel in the main event."

With their eyes set on the finals, the CRAWLERS from Shri Mata Vaishno Devi University are poised to make even greater strides in the BAJA SAEINDIA 2025 competition, inspiring future engineers and reinforcing the university's commitment to excellence in engineering education. Prof. Pragati Kumar (Vice Chancellor, SMVDU) conveyed his best wishes for the upcoming rounds and congratulated the team for their success. Dr. Yathesh Anand (Head, SME) also congratulated the team.

SAEINDIA 2025 Virtual Round



"Our team has successfully cleared the preliminary round, including the quiz and presentation, with high marks and secured a good rank among all the teams nationwide."

REFUGEE MESSAGE BUREAU JAMMU, AUG 1

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Vehicle Dynamics

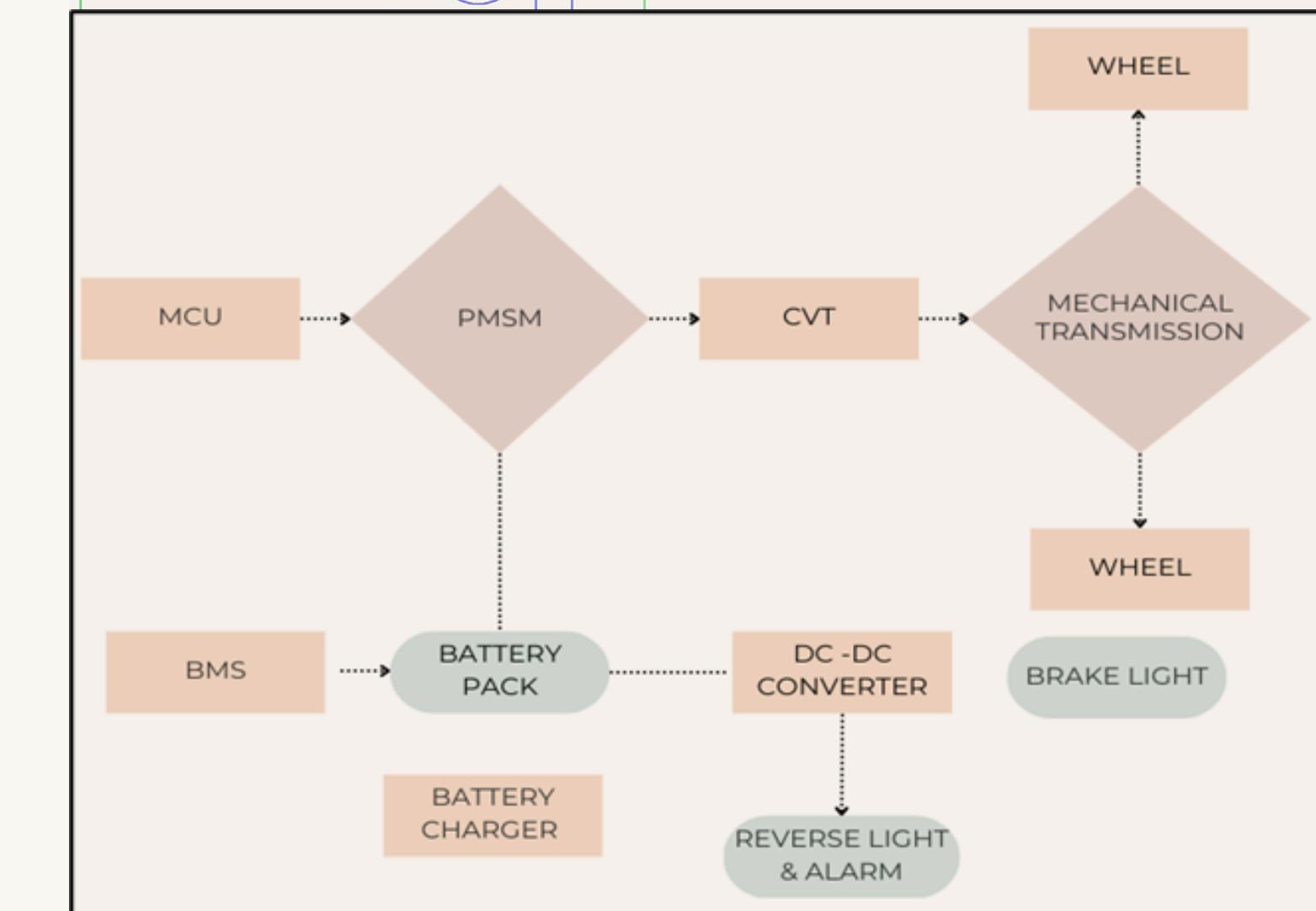
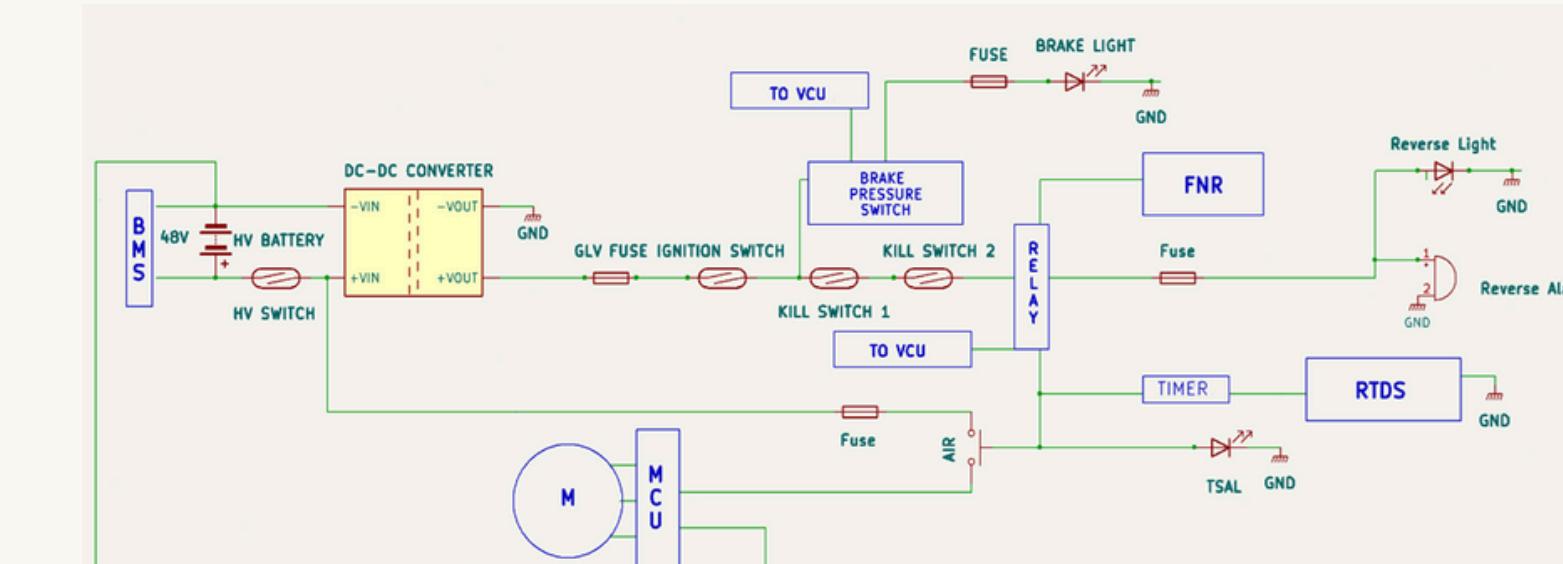
Sr. No	Property	Specification
1)	Vehicle Weight	250 Kg
2)	Max. Speed	65 km/hr
3)	Acceleration	5.77 m/s ²
4)	Gradiability	77.78 %
5)	Stopping Distance	6 m
6)	Ground Clearance	330 mm
7)	Roll Cage	AISI 4130 Chrome Moly Steel
8)	Wheel Base	1430 mm



Electrical Components & Circuit Diagram

Sr.No	Battery Parameter	Specification
1)	Battery Configuration	13S 24 P
2)	Battery Capacity	48 V 120Ah
3)	Battery Chemistry	Li - NMC

Sr.No	Motor Control Unit	Specification
1)	Type	PMSM
2)	Motor Capacity	5 KW
3)	Torque	25 NM





Insight

We trust that our Marketing Brochure for SAE BAJA 2025 has provided you with a comprehensive understanding of our team, its mission, goals, and the unparalleled advertising opportunities and market advantages we can offer. We believe that a robust and prosperous partnership with us could present your company with significant opportunities and powerful marketing tools.

The relationship established through this collaboration is intended to be enduring and mutually beneficial, supporting both your company and ours in achieving our respective objectives.

We look forward to fostering a successful and enduring partnership with your company.

Shri Mata Vaishno Devi University



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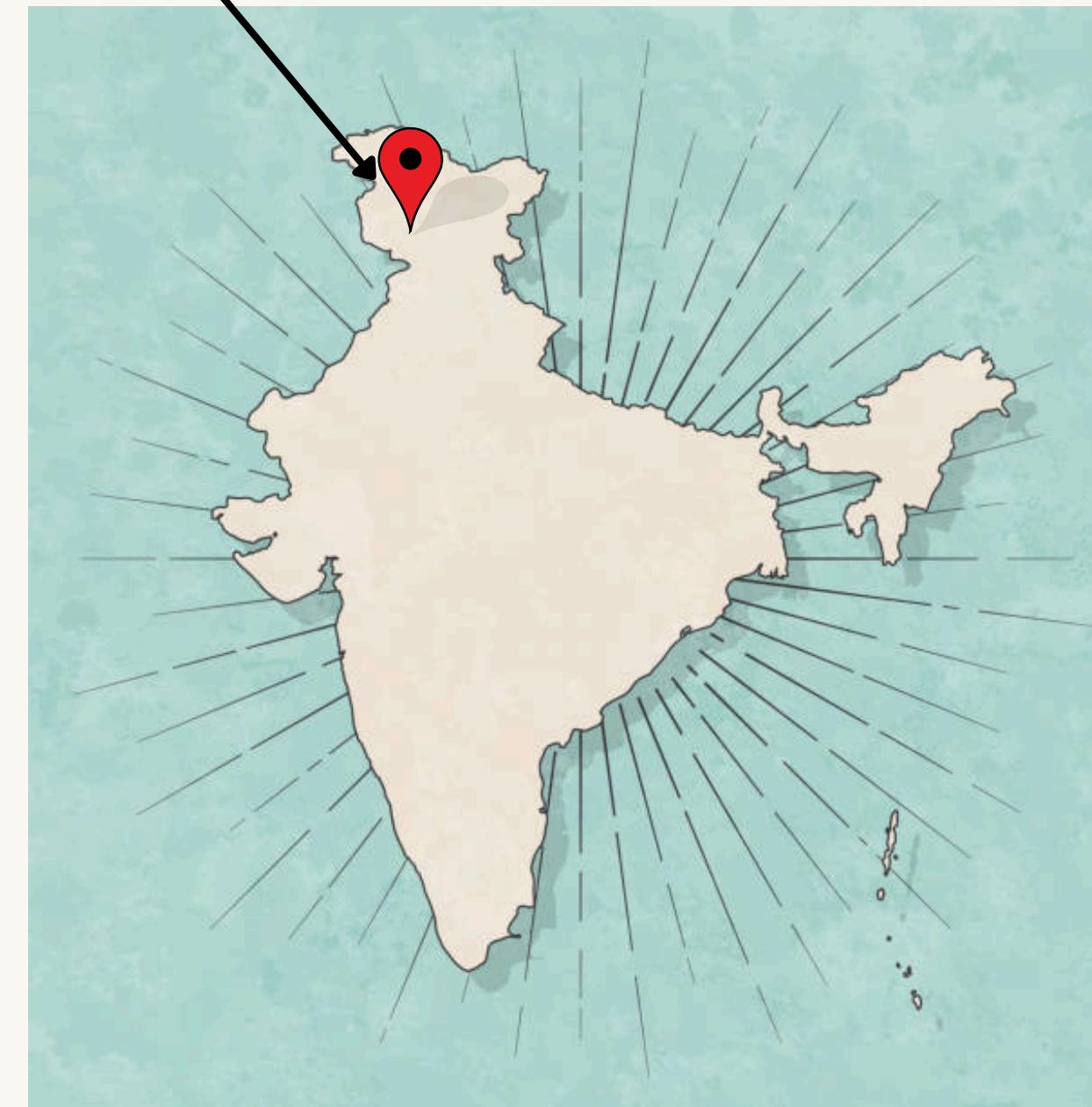
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SMVDU



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