

Tamanna Sharma

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<https://sharmatamanna.github.io/index.html>

Education

- B.Tech. in Mechanical Engineering (Marks 73.1%)** Expected Jun, 2020
Currently ranked **5th** in the Department of Mechanical Engineering
Engineering College(affiliated to RTU), Bikaner, Rajasthan, India
- Higher Secondary (12th) Examination, CBSE** 2016
Ranked **3rd** in the school, (Marks **85.20%**)
Dalmiya Vidya Mandir, Chirawa, Jhunjhunu, Rajasthan, India
- Secondary (10th) Examination, CBSE (CGPA 9/10)** 2014
Ranked **4th** in the school, (CGPA **9/10**)
Dalmiya Vidya Mandir, Chirawa, Jhunjhunu, Rajasthan, India

Experience

- Engineering Design Intern**, Vardhan Consulting Engineers, India Dec, 2019 - Present
- Project: Electric Vehicle Techno-Commercial Analysis
 - Analytical learning, simulation/designing/modeling with techno-commercial detailing of Electric Vehicle Techno-Commercial Analysis.
- Maintenance Intern**, Cairn Oil & Gas- Vedanta Limited, Barmer, Rajasthan, India May, 2019 - June, 2019
- Project 1: Mechanical seal failure study for produce water pump and CTP (Crude Transfer Pump) of AWP (Aishwarya Well Pad), short term and long term solution.
 - Project 2: Study- Gap analysis- Effective job planning in mechanical department to increase the wrench time.
- Intern, Micro mechanics Lab**, Indian Institute of Technology Hyderabad, India May, 2018 - July, 2018
Advisor: Dr. Chinthapenta R Viswanath, Assistant Professor
- Project: Geometrical Optics and Simulation of Spot Diagrams
 - Simulated the spot diagrams of the refracted rays through the transparent spherical surfaces and analyzed the properties of those rays.

Technical Skills

- **Programming and Scripting Languages:** C, C++ and Python
- **Software:** AutoCAD, SolidWorks, Catia, ANSYS, MATLAB, Microsoft Office

Project

- Design and Development of Biogas Digester [Selected at Regional level for All India Council of Technical Education (AICTE) approved Vishwakarma Awards 2019]
 - The aim of this project is to design portable biogas digester to produce sustainable renewable energy from agricultural residues and agro-food wastes from food beverages industry, in small scale concepts, for energy self-sufficiency.

Extra-Curricular

- Received job offer through campus recruitment for the post of 'Graduate Engineer Trainee' from Cairn Oil & Gas - Vedanta Limited, India, starting July 2020

- Won the badminton cup for college in inter college sports, technical and cultural fest "**Risonanza'19**" at Bikaner Technical University, Bikaner.
- Lead the Winning team of the inter department sports tournament "**Aahvaan'19**" in Government Engineering College, Bikaner.
- Worked as Coordinator at TechEXPO, 2018 organized by the student activity center of Government Engineering College, Bikaner.
- Worked as Organizer at SAMBHAV 2018, a technical-cultural fest organized every year by the Department of Mechanical Engineering of Government Engineering College Bikaner.
- Worked as Coordinator at APTOTEST 2017 organized under National Service Scheme of Engineering College Bikaner and is nominated as Joint Secretary.
- Participated at GENIUS-2016 (Spell Bee) Competition at Government Engineering College, Bikaner.
- Qualified to represent college for **Caliber "de-en-quete" (CDQ)** organized by COMET, 2017 (IIT BHU) and Mechanical Engineering Society.
- Ranked **2nd** in class and **46th** in the state of Rajasthan, India at **International Olympiad of Mathematics, 2014**
- Represented school at the **state level for National Children Science congress, 2014**
- Ranked **1st** in class and **67th** in the state of Rajasthan, India at **International Olympiad of Science, 2013**
- Represented school at the **West Zone Badminton Championship, 2013**
- Received a certificate in Mountaineering and Allied Sports from Government of Himachal Pradesh under the guidance of Gourav Sharma, Mission Everest 2009 Achiever.

References: *Available on request*