

CURRICULUM VITAE

SAIDEEP SINGH RAJPUT

North Main Road, Lane No A, Neetu Maya Society,
Neetu 301, Koregaon Park, Pune

Email: saideepsingh@gmail.com
Contact number: +91 9977191774

PERSONAL INFORMATION

Date of Birth : 05/06/1992
Gender : Male
Nationality/Citizenship : India
Marital Status : Single
Languages : English & Hindi

ACADEMIC QUALIFICATIONS

Qualification	Subject	Duration	Place	Score (%)
M.E	Rocket Propulsion (Aerospace)	2015-2017	BIT, Mesra, India	83.6
B.E	Mechanical Engineering	2010-2014	RGTU, Bhopal, India	65.4
XII (HSC)	Mathematic & Science	2009-2010	MPBSE, Bhopal, India	65.6
X (SSC)	All Subjects	2006-2007	MPBSE, Bhopal, India	81.2

PROJECT WORK

Project: Studies on the Effect of Protrusion in Liquefying & Non-Liquefying Hybrid Rocket Fuel.

- Experimental investigation using fuels as paraffin wax and PVC-DOP on a lab scaled rocket motor.
- Flow analysis using computational fluid dynamics on ANSYS 2017

Project: Single Stage Solid Propellant Rocket.

- Propellant: Sucrose-Dextrose-Fructose, Tri-Sugar and Potassium Nitrate.
- Applications of the project: Proposed to use in agriculture and weather forecasting.

CONFERENCE AND PUBLICATIONS

International Journal: International Conference of Aerospace & Mechanical 2017, Malaysia.

- Paper is under process.
- Paper: “*Studies on the Effect of Protrusion in Liquefying & Non-Liquefying Hybrid Rocket Fuel*”.

International Conference: TIMS International Conference, 05-07 Dec 2010, Gwalior, India

- Subject of talk: Substantial management of technology for climate change
- Paper: Presented a paper on “*Recycling of electronic waste*”, Paper No. CP-208

SOFTWARE SKILLS

- Autodesk Autocad, 2D CAD. (Basic)
- Autodesk Inventor, 3D CAD. (Basic)
- Ansys Workbench, CFD Simulations (Basic)

POSITIONS OF RESPONSIBILITY & PROFESSIONAL EXPERIENCE

Position: Teaching Faculty.

Organisation: University of Polytechnic, Birla Institute of Technology, Mesra.

- Teaching engineering drawing subject to 1st year polytechnic students.
- Duration: 4 Months

Position: Teaching Volunteer

Organisation: Make a difference, Cochin - A NPO that empowers youth to bring positive social change.

Responsibilities:

- Teaching English Cambridge University Curriculum to underprivileged and Orphan Children.
- Conducting event for student's personality development.

Position: Student Mentor/Core Team Member.

Organisation: Kronos 14, Annual technical festival of ITM University and ITM group of institutions.

Responsibilities:

- Organizing Kronos 2014, a technical festival with a budget of Rs. 10 lacs (approx.)
- Conducting recruitments for the team.
- Managing a team of 30 organizing members and 185 coordinator.
- Overlooking design, sponsorships, promotions, public relations, technical events and workshops.

Position: Design Team Head.

Organisation: Kronos 13, Annual technical festival of ITM University and ITM group of institutions.

Responsibilities:

- Designing poster and website graphics
- Looking over print and media.
- Coordinating with the Kronos 13 organizing team, College PR team and college design team.

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- Qualified ESOL Preliminary conducted by University of Cambridge.
- 4th position in water rocket competition in "National Student Space Challenge 2011" at IIT Kharagpur.
- Participated in "Techfest 2011" A Techno-Cultural Festival held at IIT Bombay.
- Participated in Aeromodelling Workshop at SKITM Gwalior organized by IIT Madras.
- Participated in Training Session of soft skills by HP India Pvt. Ltd. (Hewlett Packard).
- Participated in NSC 4th National conference- IT contemporary and future technologies for social change.
- Organizer of "water rocket event" in annual functions of ITM Universe Gwalior.
- Coordinator of "Rocketry event" in "Kronos-11" a subsequent event of Kronos.
- Received Limca Book of Record 2012 for organizing the biggest human smiley involving 3737 people.
- Runner up in Intra Hostel Badminton Doubles Competition 2016-2017.
- Secured 3rd position in Intra Hostel Badminton Singles Competition 2016-2017.
- Winner in Intra Hostel Volleyball Competition 2016-2017.