

JAYRAJ RANADE

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Objective

To obtain position in production planning and manufacturing to sharpen my technical skills and be an integral part of the organisation.

Education

	Score
BE (Mechanical Engineering): D.J.S.C.E, Mumbai	7.8/10
Class 12: Sathaye College, Mumbai-HSC Board	77%
Class 10: M. B. High School, Mumbai-SSC Board (5 th rank in school)	94.73%

Achievements/Experience

Integral part of the team DJS Racing. DJS Racing is a Formula Student team which designs and manufactures a F1 prototype car to participate in national as well as international competitions.

IInd Year

Chassis and Cost department: Designing of chassis using Solidworks and manufacturing it with help of fixture tooling on weld table.

IIIrd & IVth Year

Cost and manufacturing lead

- Planning and execution of the component manufacturing and assembly of electric and combustion vehicle by use of planning tools like Gantt chart, Trello.
- Led the team to secure 1st place in Cost and Manufacturing event out of 40 teams in FS Austria which is a worldwide renowned competition. The main focus of the event was on industrial and financial planning of a mass manufacturing setup, the application of various manufacturing processes and calculation of cost incurred for various components manufactured.

Projects

Brake rotor Design

Optimized design on Solidworks and transient analysis on Ansys for efficient braking and heat dissipation of the rotor.

Exhaust system

Design of system on Solidworks and analysis on Simscale for reduced noise, weight and back pressure in the titanium exhaust system.

Academic writing

Impact Attenuator

Design of lightweight Carbon Fibre Impact Attenuator on Solidworks and explicit analysis on Abaqus. Published in ICIMA conference.

Impact attenuator is a device which used to protect driver in an event of frontal crash.

Technical

CAD: Solidworks.

CAE: Ansys, Abaqus, Hyperworks, Simscale.

CAM: Mastercam, Fusion 360.

Languages

English, Hindi, Marathi, German (A1, A2).

