

Indra Pratap Sengar

Vibrant, analytical, learner and adaptable with to do attitude

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📍 C/O RAVIKUMAR PG, No. 14(BMP-43), TMN Street, 3rd Main, New Thippasandra, HAL 3rd Stage, Bangalore-560075

Experience

Trainee <Jan 2019 – Nov 2019 – Win Vinaya Foundation, Bangalore>

- Attended Soft skill training program in Microsoft Power BI Desktop and Software Testing in Neoload software

Assistant Professor <May 2016 – July 2017 – J.D.C.T. Indore>

- Subjects taught in the college: Machine Design, Strength of Material, Machine Drawing

Lecturer <April 2018-July 2018-Loyola ITI, Bangalore>

- Subject taught in the college: Mechanic Motor Vehicle (MMV)

Design Engineer <July 2014 – March 2016 – Jash Engineering Pvt Ltd>

- Designing in CATIA V5 of casting pattern of water control gate & its simulation for optimizing various parameter such as: maximizing yield, reducing casting defect (blow-hole, short-run) in Procast V2014

Academic Projects

- M.E. Project: Optimized gating design for sand casting by using numerical simulation in Procast
- Remote Operated Screw Jack: in this there is a cross linked mechanism, at top there is a lifting pad, the link moves closer and the lifting pad rises when the screw attached to the cross links and the motor rotates in clockwise direction, when the screw and motor rotates in anticlockwise direction the cross links move farther and the lifting pad moves down.

Educational Qualification

Degree	University / Board	Institute / School	Year of Passing	CGPA / Percentage
M.E.(Computer Integrated Manufacturing)	RGPV	SGSITS, Indore	2016	7.38
B.E.(Mechanical)	RGPV	H.C.E.T, Jabalpur	2012	64.75
Intermediate	CBSE	St. Joseph School	2008	71.3
High School	CBSE	St. Joseph School	2006	76.6

Industrial Training

- At National Thermal Power Corporation (N.T.P.C.) Limited, Singrauli: the coal is burned in the boiler to heat the water flowing in the tubes, which is converted in to vapors and sent to steam turbine which gets rotated, the turbine is attached to the generator which generates electricity.
- At Vehicle Factory Jabalpur (V.F.J.): The assembly of Army trucks and mine protected vehicle are done. There are different sections: heat treatment, assembly of differential axle.

Software Skills

- **Operating Systems :** Windows XP, Windows7
- **Programming Skills :** C++, Python, SQL, Software (Performance/Load) Testing, MS Power BI Desktop, MS Office,
- **Design Software :** Auto Cad, PTC Creo 3.0(Pro-e), Catia, ProCAST

Extra-Curricular Activities

- Attended Short Term Training on at SGSITS :
“Automobile & Engine Designing Using Reverse Engineering”
“Mechanical Engineering Design Practices and Code”
“Modeling, Simulation and Analytical Techniques for Dynamics Systems”
- Qualified GATE 2013 with 93.9 percentile and GATE 2012 with 88.6 percentile
- Participated in Football, chess & Science Exhibition.