

JITENDRA SOLANKI

Chemical Engineering

Indian Institute of Science, Bangalore

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Date of Birth : 31st August 1998

ACADEMIC QUALIFICATION

QUALIFICATION	YEAR	INSTITUTE	CGPA/MARKS(%)
M.Tech. (Chemical Engg.)	2021	Indian Institute of Science, Bangalore	8.30/10
B.Tech. (Chemical Engg.)	2019	Malaviya National Institute of Technology, Jaipur	7.30/10
Class XII	2015	Mayur Nobles Academy ,Barmer	90.40 %
Class X	2013	Anand Vidhya Mandir , Barmer	80.67 %

COURSES UNDERTAKEN

Chemical Engineering Mathematics, Modelling in Chemical Engineering, Chemical Reaction Engineering , Numerical Methods, Transport Processes, Thermodynamics, Process Equipment Design, Control System Engineering

PROJECT

B.Tech. Final Year Project

Title: Extraction of bioactive component (Curcuminoids) from herb (Turmeric)

Description:

- Curcuminoids were extracted from turmeric plant using ultrasonic assisted extraction (Non-conventional method)
- The extract were analyzed using high performance liquid chromatography (HPLC) and the results were compared with conventional method
- The optimum conditions for extraction were determined using parametric analysis

INDUSTRIAL TRAINING

National Fertilizers Limited, Nangal (21.05.2018-05.07.2018)

Description:

- Did process flow study of Ammonia plant and Urea plant
- Learnt about KBR purifier technology (low energy natural gas steam reforming based process) for the production of Ammonia
- Learnt about the production of Urea

SKILLS

- Computer Programming Languages: C, Python
- Technical tools: AutoCAD, ASPEN PLUS, MATLAB, Ansys
- Equipment handling: High performance liquid chromatography (HPLC), UV spectrophotometry, Raman spectroscopy

SCHOLASTIC ACHIEVEMENT

- Won 1st prize in DESIGN IT competition in SPHINX 2.0 annual technical fest MNIT Jaipur
- Secure 3rd position in MATH QUIZ in SPHINX annual technical fest MNIT Jaipur
- Secure 10th Position in District merit in 12th standard

EXTRACURRICULAR ACTIVITIES

- Member of ALCOM (Alumni committee of MNIT, Jaipur)
In the organizing team of Alumni day 2017 and volunteering in 2015 and 2016 global alumni meet
- Technical Branch Coordinator in SPHINX, 2018 (Annual technical fest of MNIT Jaipur)
- Attended AutoCAD and Zine workshop relating to robotics