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OBJECTIVE

Seeking innovative projects and Internships to augment my skills and get an insight in the chemical industry. A creative chemical undergrad. with web development skills, keen in exploring the IT sector. Possesses technical, analytical and problem solving skills.

EXAMINATION	University	Institute	Year	CPI/%
Graduation	RGPT, Jais	RGPT, Jais	2019	8.33
Intermediate/+2	CBSE	Cathedral Sr Sec School, Lucknow	2017	93.2
Matriculation	CBSE	MPVM, Allahabad	2015	9.60

INTERNSHIP / ACADEMIC PROJECTS

- Research Internship : **Paint and Corrosion Engineering, CDC & Rubber Testing** [10th June-5th July '19] At M&C Directorate, RDSO, Lucknow.
Tensile strength analysis using destructive testing of metals and briquette hardness measurement.
Corrosion testing properties of paints and pigments used in carriages and coaches.
Composite Break Block testing using Acetone extraction method and Dynamometer test
Limiting Oxygen Index analysis for fire testing and Izod Pendulum Impact Resistance for strength testing. Plotted various parameter using values obtained from Differential Scanning Calorimeter for measuring glass transition temperature and melting point.
- "**Methanol Dehydration System thorough Counter Current Absorption**" : Under Dr U. Ojha in 5th Semester '19. Modelled and simulated a dehydration system to replace the traditional glycol process. The simulations were carried out with PROSIM and the result plotted compared methanol with glycol in terms of solvent recovery, inhibitor flow rate and cost effectiveness.
- "**Staggered-Tube Heat Exchanger Heat Exchanger Analysis for High Enthalpy Flows**" using C++ and MS EXCEL under Dr Milan Kumar in 3rd Semester '18 to analyse the cost evaluation in designing staggered tube flow banks with optimum heat transfer coefficient.
- Presented a petroleum dictionary **Android application** named – "**PetroPedia**" built in android studio using Java & XML at Winter School, '19. A regular dictionary application that has a minimal user interface with additional options like word of the day, favourites and random words.
- "**Box Office Data Analysis**" under Dr. Anirban Mukherjee [Apr '19]:
A quantitative **data analysis using MS Excel and Machine Learning** that utilizes the data from previous Bollywood movies and predicts the possible box office collection taking into account various parameters

AWARDS AND ACHIEVEMENTS

- Currently **Department Rank 10** among 59 Chemical Engineering Graduates
- Qualified **JEE Advanced, 2017** with **86.71** percentile among 1,50,000 aspirants.
- Qualified **JEE Mains, 2017** with **95.3** percentile among 14,00,000 aspirants.
- Received "**Best Project Presented**" for PetroPedia android application at Winter School, '19
- Won first prize in group dance competition at KALTARANG '18

TECHNICAL SKILLS

- Programming Languages:** C++/C, JavaScript, Node.JS, HTML/CSS, Java, React

- **Software:** MS EXCEL/WORD/PowerPoint,AutoCAD,Adobe Premiere Pro/After Effects/LightRoom
- **Electronics :**Arduino

POSITION OF RESPONSIBILITY

Organizing Secretary (Kode Club) at S&T Council,RGIPT [Apr'19-Present]

- Successfully organized a 2 day hackathon on Data Structures & Algorithms
- Mentored multiple projects including College Utility Website and Mess Monitoring App that were presented at Winter School ,2019
- Procured funding and resources to successfully establish and operate DC++ in the Institute
- Designed and maintained S&T Councils' official website :www.sntrgipt.in

Web Designing Head ,SPE RGIPT Chapter [Aug'18-Apr'19]

- Designed and Maintained SPE RGIPT Student Chapter's official website :www.spergipt.in
- Co-assisted the event-management team in successfully organizing online events.

WORKSHOP AND CONFERENCES

- Attended Workshop on “**Computational Fluid Dynamics** “ at Winter School '19 ,RGIPT organized by SkyFi Labs
- Attended **URBAN'18** , a National conference on mapping urbanization in India from socio-spatial perspectives.

ACADEMIC COURSES

Core Subjects	Chemical Reaction Engineering, Thermodynamics, Material Science, Fluid Mechanics, Mechanics of Solids, Heat and Mass Transfer, Unit Operations (Mechanical Operations) ,Mass and Energy Balance
Specialization	Natural Gas Processing, Petroleum Refining –I&II, Petroleum Chemistry
Other Subjects	Introduction to Geoscience, Electrical and Electronics Engineering ,Numerical and Statistical Analysis, Engineering Graphics and Workshop Practices, Economics, Professional Communication ,Humanities and Social Science, Behavioral Sciences