

Ayushi Kushwaha

M.Tech (Chemical Engineering), HARCOURT BUTLER TECHNICAL UNIVERSITY

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Career objective:

To obtain a challenging leadership position applying creative problem solving and engineering skills with the growth of company to achieve optimum utilization of its resources.

Projects:

- **M.tech Project:**

Title: Fabrication of surface treated sisal fiber reinforced epoxy composites.

Introduction : Natural fiber are used as reinforced material in polymer composites due to properties like ecofriendly, sustainable and cost effective. Using matrix of resin and hardener and natural fiber as reinforced material to form composite. The step towards green technology.

- **B.tech Project:**

Title: purification of water using carbon nanotubes (CNTs) membrane.

Introduction: An appropriate water treatment technology which removes macro, micro and nano pollutants as well as desalinates water. Low energy consumption, anti-fouling and self cleaning functions have made CNT membrane extraordinary over conventional one.

Academic Credentials:

Qualification	College/university	Board/university	Percentage	Year
M.tech (Chemical Engg.)	Harcourt Butler Technical University	Harcourt Butler Technical University	8.03 CGPA	2021
B.tech(Chemical Engg.)	Babu Banarasi Das National Institute of Technology & Management	Dr. A.P.J Abdul Kalam Technical University	70.7%	2018
Intermediate	KUVBIC	U P Board	83.4%	2013
High school	KUVBIC	U P Board	74.3%	2011

Internship:

At "AGRAWAL OIL REFINERIES" Kanpur.

Subject: processing and applications of paraffin wax.

Duration: 15 June 2017- 20 July 2017

Technical skills:

- Scilab
- basics of MATLAB
- MS office

Areas of Interest:

- Polymer Science
- Thermodynamics
- Heat Transfer

Interpersonal skills:

- Communication
- Leadership
- Team Management
- Optimist

Conferences:

- Institutional Training Program on Oil Conservation with PCRA.
- International online conference on reuse and recycle of materials and their products (ICRM2020).
- CHEMCON 2020
- International conference on advances in chemical, biological and environmental engineering (ICACBEE2021).

Certifications:

- Certificate of "Institutional Training Program on Oil Conservation" by PCRA.
- Certificate of "chemical process simulation on aspen HYSYS, MATLAB programming and AutoCAD."
- Certificate of participation in online International online conference on reuse and recycle of materials and their products (ICRM2020).
- Certificate of presentation in CHEMCON 2020.
- Certificate of presentation International conference on advances in chemical, biological and environmental engineering (ICACBEE2021).

Extra curricular activities:

- Worked as a Team member of college community "UDBHAV".
- Worked as an "Assistant coordinator" in BBD Annual Fest "UTKARSH".
- worked as management team member in BBD sports event "AAROHAN".