

Jumleena Bhagawati

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INTERNSHIP

• TOPCEM Cements

Assam, India

Production and Quality Control

May 2019 - July 2019

- Inspected and tested materials, equipment, processes, and products to ensure the quality specifications of Bureau of Indian Standards (BIS) are met.
- Ensured that workflows, processes, and products comply with safety regulations.
- Reduced problems and maximized the performance of the company by taking corrective actions as soon as problems arise.
- Monitored the proper unloading of materials to ensure that nothing is wasted.
- Performed an independent study on the cement grinding and milling unit during the course of the internship.

Technologies: ASPEN Plus and Batch.

EDUCATION

• Manipal Institute of Technology

Karnataka, India

B.tech in Chemical Engineering, CGPA: 6.76

July 2017 – June 2021

- Took elective courses on: Energy Engineering, Project Engineering, Bio-Mechanics, Applied Graph Theory, Oil and Gas Reservoir Engineering, Petroleum Refinery Engineering, Natural Gas Engineering, Petrochemicals.
- (Thesis title): Enhancing Technology Acceptance through User Experience Evaluation: Comparative Analysis of Banking Website versus Mobile Application.

PROJECTS

• Enhancing Technology Acceptance through User Experience Evaluation

Karnataka, India

Research

February 2021 - September 2021

- Performed a comparative Analysis of Banking Website versus Mobile Application in relation to the modified user experience TAM (UX-TAM).
- Defined the contextual dimensions and sub-dimensions relevant for the assessment of UX-TAM.
- Developed the Conceptual Model and Hypothesis.
- Collected data for pilot test and main test via survey.
- Analysed the structural equation model using SmartPLS software.

• Recent advancements and challenges in Perovskite Materials for Solar Cells

Karnataka, India

Literature Review

September 2020 -January 2021

- Performed a comprehensive study on perovskites in solar cell application
- Reviewed papers on the operational mechanism of ion migration for the fabrication of perovskite solar cells (PSCs) with improved stability.
- Reviewed literature to find environment friendly Sn, Ge, Bi-based perovskites alternatives for toxic Pb-based perovskites.
- Studied the benefits of 2D/3D dual layered perovskites.
- Derived prospects on the future of perovskites when it comes to application in solar cells.

RESEARCH PAPER (IN-PROGRESS)

- Research menu script : Enhancing Technology Acceptance through User Experience Evaluation Comparative Analysis of Banking Website versus Mobile Application (User experience, TAM) -Currently Undergoing peer review. (September 2021)
Software: SmartPLS 3.

CERTIFICATIONS

- **Coursera**

Introduction to HTML - ID: 8GRRRBBQCJMY
Google Ads for Beginners - ID: 6ME8VXAW7PXY

Innovation Through Design: Think, Make, Break, Repeat - ID: 622AVRSCHEWX

Foundations of User Experience (UX) Design - ID: 83DNAGN9NHET

Start the UX Design Process: Empathize, Define, and Ideate - ID: Y6C4ATD6E4A2

Start the UX Design Process: Build Wireframes and Low-Fidelity Prototypes- ID: YG2MGULHTY4Y

Conduct UX Research and Test Early Concepts- ID: KTP4WKY7GGE2

MOOC

Issued July 2020

Issued August 2020

Issued October 2020

Issued September 2021

Issued September 2021

Issued September 2021

Issued December 2021

SKILLS SUMMARY

- **Languages:** HTML5, CSS3, C++.
- **Software:** Auto CAD, ASPEN, Adobe Illustrator, Adobe Photoshop, Adobe XD, MATLAB, Sketchbook, SmartPLS 3
- **Tools:** Balsamiq, Figma, Miro
- **Framework:** Flexbox, Bootstrap
- **Soft skills:** Leadership, Event Management, Public Speaking, Time Management, Writing.

VOLUNTEER EXPERIENCE

- **Sahayog, India**

Logo Designer

Remote

October 2021 - December 2021

- Conceptualized and designed visually compelling digital logo representing the organization.
- Worked with the design coordinator and supervisor of editorial teams.
- Elevated the logo design aesthetic.

Technologies: Adobe Illustrator, Sketchbook Pro.

Certificate: [ID 7334](#)

EXTRACURRICULAR ACTIVITIES

- **Printing and Publicity Club, Manipal Institute of Technology**

Organizer in Reveles'19 (National Cultural and Sports Festival)

Manipal

January 2019 - March 2019

- Lead a team to create life size 3D props models from recycled items.
- Developed project ideas which is in tune with the theme for the event.
- Managed close to 40 volunteers on everyday basis during the fest preparations.

- **Printing and Publicity Club, Manipal Institute of Technology**

Organizer in TechTatva'18 (National Technical Festival)

Manipal

August 2018 - October 2018

- In charge of the Logistics Department and managed inventory.
- Created life size 3D props for the festival.
- Managed close to 15 volunteers on everyday basis during the fest preparations.