

# Jumleena Bhagawati

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## INTERNSHIP

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### • 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

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### • Manipal Institute of Technology

Karnataka, India

*B.tech in Chemical Engineering, CGPA: 6.76*

*July 2017 – June 2021*

- Elective courses: 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

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### • 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 3 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)

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- (Manuscript): Enhancing Technology Acceptance through User Experience Evaluation : Comparative Analysis of Banking Website versus Mobile Application (User experience, TAM)- Currently undergoing peer review. (February 2021-September 2021)  
**Software:** SmartPLS 3.

*Items in the following section are clickable*

## CERTIFICATIONS

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- **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](#)  
[Digital Digital Manufacturing and Design - ID: 4S9C3U7JMVHR](#)  
[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 November 2021*  
*Issued December 2021*

## SKILLS SUMMARY

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- **Languages:** C++, CSS3, JavaScript, HTML5
- **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

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- **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

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- **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.