

Jumleena Bhagawati

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EDUCATION

• Manipal Institute of Technology

B.tech in Chemical Engineering

Karnataka, India

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.

• National Public School

Senior Secondary School

Assam, India

July. 2014 – May. 2016

INTERNSHIP

• TOPCEM Cements

Production and Quality Control

Assam, India

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 cement grinding and milling unit during the course of the internship.

Technologies: ASPEN Plus and Batch.

Items in the following section are clickable

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

PROJECTS

• Enhancing Technology Acceptance through User Experience Evaluation

Research

Karnataka, India

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.
- Conceptual Model and Hypothesis Formation.
- Collected data for pilot test and main test via survey.
- Tested structural equation model using SmartPLS software.

- **Recent advancements and challenges in Perovskite Materials for Solar Cells**

Karnataka, India

September 2020 -January 2021

Literature Review

- 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 alternatives for toxic Pb based perovskites and to develop environment friendly Sn, Ge, Bi 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.

PERSONAL PUBLICATIONS

- Research menu script:Enhancing Technology Acceptance through User Experience Evaluation Comparative Analysis of Banking Website versus Mobile Application (User experience, TAM)-Work in Progress book to be published by menuscrypt central in 2022. Software: SmartPLS 3. (September 2021)

SKILLS SUMMARY

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

VOLUNTEER EXPERIENCE

- **Sahayog,India**

Remote

Logo Designer

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.

EXTRACURRICULAR ACTIVITIES

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

Manipal

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

January 2019 - March 2019

- Worked in a team to create life size 3D props model 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 Institue of Technology**

Manipal

Organizer in TechTatva'18 (National Technical Festival)

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.