Angkush Kumar Ghosh

Address:
090-0801, Japan, Hokkaido, Kitami City,
Shunko-Cho 7-Chome 62-12 Shunko-Cho Shukusha 504-22
Phone: +81 (0)80 1866 0594
Email: angkush_ghosh@outlook.com, ghosh-ak@mail.kitami-it.ac.jp
Website: https://ghosh-ak.github.io/ 🔗

SUMMARY

As an Assistant Professor at Kitami Institute of Technology (KIT), Japan, I am affiliated with the Division of Mechanical and Electrical Engineering and the Advanced Manufacturing Engineering Laboratory. My primary responsibilities include teaching undergraduate courses in CAD/CAM and conducting research. My research interests lie in AI, Machine Learning, and Intelligent Systems for Smart Manufacturing / Industry 4.0, as well as exploring future advancements in the field. Alongside my academic roles, I have gained valuable experience in project management, effective communication, collaboration, and various administrative tasks throughout my career. In my leisure time, I enjoy immersing myself in music, following football matches passionately, reading various genres, and traveling to new destinations to embrace diverse cultures.

WORK EXPERIENCE

4/2022 - Present

Assistant Professor,
Division of Mechanical and Electrical Engineering,
Advanced Manufacturing Engineering Laboratory,
Kitami Institute of Technology, Japan
Responsibilities:
- Teaching undergraduate courses: CAD/CAM.
- Researching.
- Supervising students.

9/2015 – 9/2017

Coordinator and Lecturer,
Department of Mechanical Engineering,
Sonargaon University, Bangladesh
Responsibilities:
- Coordinating departmental and administrative affairs.
- Planning and arranging research seminars and workshops.
- Student counseling.
- Teaching undergraduate courses: CAD, C Programming, Mechanical Engineering Drawing, Production Processes.

3/2015 – 9/2015

Service Engineer,
MBioLogix,
Bangladesh
Responsibilities:
- Installing, calibrating, and servicing instruments & machinery used in medical industry (clinics, hospitals, pharmaceuticals, research institutions, medical colleges, and alike) in Bangladesh.
- Training end-users about operation and regular maintenance.
- Creating user-oriented standard operating procedure (SOP).

10/2014 – 3/2015

Physics Tutor,
Anushilon Education Centre,
Bangladesh
Responsibilities:
- Preparing lecture notes.
- Teaching and assessing.

3/2014 – 6/2014

Assistant Engineer,
Navana Construction Ltd.,
Bangladesh
Responsibilities:
- Site supervision and project management.
- Surveying site area.
- Assessing and modifying the designed layout.
- Communicating with different stakeholders and coordinating the tasks.
- Maintaining the material flow.
- Billing of subcontractors.
- Technical support.

INTERNSHIP EXPERIENCE

9/2021 – 12/2021

Intern,
LEXER RESEARCH Inc.,
Japan

5/2021 – 8/2021

Intern,
Advanced Manufacturing Research Institute (AMRI),
National Institute of Advanced Industrial Science and Technology (AIST),
Japan

EDUCATION

10/2019 – 3/2022

Doctor of Engineering in Manufacturing Engineering,
Kitami Institute of Technology,
Japan

10/2017 – 9/2019

Master of Engineering in Mechanical Engineering,
Kitami Institute of Technology,
Japan

3/2009 – 10/2013

Bachelor of Science (B.Sc.) in Mechanical Engineering,
Khulna University of Engineering and Technology,
Bangladesh

RESEARCH

ORCID 🔗   **Google Scholar:** 🔗   **Laboratory Website** 🔗

Personal Website 🔗

SKILLS

Technical Skills

o Microsoft Office Suite: Word, Excel, PowerPoint

o Programming: C, C++, C#, Java, Python, R, MATLAB, Scilab

o Front-end: HTML, CSS, JavaScript, Figma

o CAD/CAM/CAE: SolidWorks, Fusion 360, AutoCAD, CATIA, FreeCAD

o Script-based CAD: OpenSCAD, JSCAD, CadQuery

o Data Visualization: Tableau, Matplotlib, Plotly

o Document Typesetting: LaTeX

Additional Skills and Competencies

o Team Working

Proven ability to collaborate effectively with diverse teams, fostering a positive and productive work environment.

o Administrative Coordination

Proficient in handling administrative tasks, managing resources, and ensuring smooth project operations.

o Project Management

Experience in planning, executing, and leading projects, ensuring timely delivery and adherence to quality standards.

PROFESSIONAL MEMBERSHIPS

o The Japan Society for Precision Engineering (JSPE)
 Member since 4/2022

o The Japan Society of Mechanical Engineers (JSME)
 Member since 10/2019

ACADEMIC SERVICE

o JSME iDECON/MS 2023: Program Committee Member

o MDPI Big Data and Cognitive Computing: Review Board Member

o Reviewer for Various Academic Journals

HOBBIES

o Music   o Football   o Reading   o Traveling

REFERENCE

References are available upon request.