

Name: Mohammed Javeed Siddique

Education

Education	Specialization	University	Year
Doctor of Philosophy (Ph.D.) (Pursuing)	Structural Engineering	Vellore of Institute of Technology (VIT), India <i>Recognized as Institution of Eminence (IoE) by Government of India</i>	2018 (Started)
Master of Technology (M.Tech)	Structural Engineering	Jawaharlal Nehru Technology University (JNTU), India <i>Accredited by NAAC With 'A' Grade</i>	2015
Bachelor of Technology (B. Tech)	Civil Engineering	National Institute of Technology, Karnataka (NITK) <i>A Prestigious Central Government Institute</i>	2013

Academic Experience

1. Organization: **A'SHARQIYAH UNIVERSITY**
Designation: **Lecturer in Structural Engineering (September 2018-Present)**
Designation: **Civil Engineering Lab Technician (September 2016-August 2018)**

Roles and Responsibilities:

1. Undertook following courses:

Analysis of Structures I	Mechanics of Materials
Analysis of Structures II	Engineering Analysis
Design of Reinforced Concrete Structures	Engineering Economics
Design of Steel Structures	Construction Methodology
Design of Temporary Structures	Construction Equipment
Statics	Civil Engineering Materials
Dynamics	Sustainable Construction

Duties:

- Prepare and deliver lectures to undergraduate and/or graduate students
 - Ensuring students reach their full potential through the use of innovative teaching methods.
 - Supervision and counseling of students on theoretical and practical activities.
2. Served as Chief in charge of following labs:
- A. Civil Engineering materials lab.
 - B. Transportation lab.
 - C. Structural Engineering lab.
 - D. Thermo-fluids lab.
 - E. Environmental Engineering lab.
 - F. Geo-Technical lab.
 - G. Geology lab.

Duties:

- Setting up and operating laboratory equipment and instruments.
 - Preparation of materials and equipment for the practical sessions.
 - Teaching laboratory sessions related to the field.
 - Helping students to set up, operate laboratory equipment and instruments to run the experiments.
 - Grading of students' reports.
3. Assist students in capstone design course in their laboratory research work and compilation of data.
4. Conduct Site visits and field study of the construction sector & block manufacturing units in Oman with Construction Project Management special part time students.
5. Submitted a research proposal to The Research Council, Oman. Title: ***Light Weight Thermally Insulated Date Fiber blocks.***
2. Organization: **ROYAL INSTITUTE OF TECHNOLOGY AND SCIENCE**
Designation: **Lecturer**
Experience: **MAY 2014 - JULY 2016**

Roles and Responsibilities:

1. Undertake Structural Analysis-1, Structural analysis-2, Concrete Technology, courses to 2nd and 3rd year B. Tech Students.
2. Undertake project work and seminars to students.
3. Guide students in their research fields.
4. Conduct Major and Mini Projects to students.
5. Undertake seminars and conferences in my field of interest, research area: Structural Engineering (Concrete).

Roles and Responsibilities as a Lab In charge:

1. Working as a Chief In charge of civil engineering department labs handling Surveying lab, Geo-technical lab.
2. Responsibilities include delivering lecture on the theory of the experiment being conducted and explaining the practical implementation of the experiment.
3. Overseeing the practical work done by students and guiding them.
4. Explaining the Safety Procedures to students.
5. Preparing Lab Manuals, Conducting practical examinations, Evaluation and Scrutiny.

Field experience

Internship at CANOPY ESTATES, as INTERN SITE ENGINEER at CONSULATE GENERAL OF REPUBLIC OF TURKEY, Hyderabad Project. 2013-2014

Responsible for planning and execution of construction of multi-storied buildings and row houses and handling a team. Undertook Civil & Structural Engineering, Electrical and Plumbing Works, (CCTV) Installation and troubleshooting, Solar Fencing Installation, Access Control door.

Certifications or professional registrations

Certified **AUTODESK 2015 PROFESSIONAL**

Member of American Concrete Institute 88-S803 - Faculty Network committee

Member of World Society of Sustainable Energy Technologies

Honors and awards

2017:

Best Employee of the Year Award, A'Sharqiyah University, Ibra, Oman

2020:

Best Employee of the Year Award, A'Sharqiyah University, Ibra, Oman

Service activities

Member, College Academic Board

Member, College Assessment and Review Committee

Member, Quality Assurance Committee

Served as a Fire Warden for Block E of the University campus.

Served as a member of University Solar Power Project, Technical Committee.

Recent Publications

1. Istanbullu, A., Wamuziri, S. and Siddique, M. (2022) 'BIM Digital twins environment to enhance construction process', in. *IOP Conference Series: Earth and Environmental Science*, IOP Publishing, p. 012006.
2. Maneengam, A. *et al.* (2022) 'Influence of multi-walled carbon nanotubes reinforced honeycomb core on vibration and damping responses of carbon fiber composite sandwich shell structures', *Polymer Composites*, 43(4), pp. 2073–2088.
3. Prasad, M. *et al.* (2023) 'Static and dynamic characteristics of jute/glass fiber reinforced hybrid composites', in. *Structures*, Elsevier, pp. 954–962.
4. Shankar, A., Maneengam, A., *et al.* (2023) 'Optimization of damping characteristics of tapered MWCNT/glass fiber reinforced composite rectangular sandwich plates: A higher-order finite element formulation', *Mechanics of Advanced Materials and Structures*, 30(6), pp. 1138–1154.
5. Shankar, A., Prasad, M., *et al.* (2023) 'Static deflection and free vibration behavior of Sandwich plates made of hybrid flax/glass fiber composite skins and PLA Core', *Fibers and Polymers*, 24(7), pp. 2411–2424.
6. Zhu, C. *et al.* (2023) 'Buckling and dynamic behavior of uniform and tapered woven carbon/jute fiber reinforced polyester hybrid composite beams', *Mechanics of Advanced Materials and Structures*, pp. 1–12.

Consultancy and Projects

1. Technical Report on Consultancy project for Structural Design of Residential units in Ibra, Sultanate of Oman with IbdAA A'ttamer Engineering Consultancy, 2019.
2. Technical Report as Project Consultant for Retrofitting of residential property in Ibra, Sultanate of Oman, 2020.
3. Technical Report on the feasibility of A'Sharqiyah University Solar Power Project, 2019.
4. Carried out Engineering Studies and Research projects in 2013 under the collaboration of the Civil Engineering Department of the National Institute of Technology Karnataka-India; for structural integrity Testing, Geo-technical Engineering, and materials quality control.
5. Carried out Engineering Studies and Research projects in 2013 under the collaboration of the Civil Engineering Department of the National Institute of Technology Karnataka-India; on Electro-mechanical fin control system performance optimization.
6. Ongoing Study and research on replacement of natural sand by composite plastic sand in concrete with the Structural Engineering department, VIT.