

RASHID MUSTAFA
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WORK/EXPERIENCE

- Worked as Assistant Professor in GNIOT, Greater Noida (Feb, 2017- Oct, 2017)
- Assistant professor, Department of Civil Engineering, KEC, Katihar, India, Jan 2018-Till date

Educational Qualifications

Examination	University /Board	Institute	Year	CPI / %
M. Tech.	IIT Bombay	IIT Bombay	2014	8.86
B. Tech.	Aligarh Muslim University	Z.H.C.E.T, AMU, Aligarh	2012	8.91
Intermediate	B.S.E.B	Dr. R.M.L.S. College	2007	60.00
Matriculation	B.S.E.B	G.J.HIGH School	2005	71.30

Key Academic Projects

M. Tech. Dissertation:

- **“Numerical Analysis Of Earth Pressure Reduction Using EPS Geofoam”** under the guidance of Prof. Dasaka S Murty, IIT Bombay
 - High lateral earth pressure induced due to seismic loading behind the retaining wall needs to be reduced for efficient and economical solution.
 - Numerical modelling is done using EPS Geofoam by **PLAXIS 2D** for analysis.

B. Tech. Project:

- **“Soil investigation and Design of foundation of Multi Storey Building”** Under the guidance of Prof. Dr. M.A.KHAN, AMU Aligarh
 - Conducted all these tests (Shear strength, SPT, Plate load test etc) for foundation soil and calculated all loads on the building.
 - Designed Isolated footing for a ground plus seven (G + 7) storey residential apartment proposed at Ramghat Road, Aligarh.

Seminars

Laboratory consolidation of clay specimen (Credit seminar)

- Investigated the past & current research & compiled a comparative summary of all the work done in this area.

Active earth pressure on retaining wall for cohesive soil backfill under seismic loading (Course seminar)

- An effort was made to develop an expression for total active earth pressure and maximize the Pressure to define failure plane.

Stress under applied loads in soils (Course seminar)

- Studied and determined the stresses induced in underground soils due to external loads

Course undertaken

- Soil Mechanics
- Foundation Engineering
- Hydraulics & Open Channel Flow
- Field Measurement
- Design of concrete structure
- Highway Engineering
- Hydraulic machine
- Soil Mechanics Lab
- Engineering Hydrology Lab
- Survey lab

Software Skills

- Geotechnical Analysis Package- **PLAXIS 2D**
- Other Packages- **MATLAB, MS Office**
- Programming Languages- **C**

Career achievements

- **Published Papers in international journals**
IJRSE, 2017 "*Reduction of Lateral Earth Pressure on Rigid Retaining Wall Using EPS Geofom Inclusion*"
IJRSE, 2017 "*Analysis of Self-Compacting Concrete Using PPC and OPC with Different Proportions of Fly Ash*"
- Secured Gate Score 651 in **IIT-GATE-2016**
- Secured Gate Score 594 in **IIT-GATE-2015**
- Secured Gate Score 567 in **IIT-GATE-2013**
- Secured Gate Score 498 in **IIT-GATE-2012**

Extracurricular activities and Hobbies

- Participated in **INCLINO** at **TECHFEST 2010, IIT BOMBAY**
- Member of an autonomous body, **The Guardian**, a student run model school for educational Upliftment of poor children in Aligarh.

- Member of **National Service Scheme** in Aligarh in **2009-2010**