

RIMA DAS

National Institute of Technology
Tiruchirappalli
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EDUCATION

Nional Institute of Technology Tiruchirappalli, India

Ph.D., Geotechnical engineering, Civil
Engineering CGPA: **8.75/10**

Tamilnadu,
India, Ongoing

National Institute of Technology Agartala

M.Tech., Seismic science and Engineering,
CGPA: **8.89/10**

Tripura, India
June, 2020

National Institute of Technology Agartala

B.Tech., Civil Engineering, CGPA: **7.69/10**

Tripura, India
May, 2017

Netaji Subhash Vidya Niketan

10+2 (TBSE), Score: **58.00%**

Tripura, India
May, 2012

PROJECTS

Ph.D project Guide: Dr. K. MUTHUKKUMARAN(Professor, Dept of Civil Engineering NIT Trichy)

Mitigation of earthquake induced liquefaction risk by induced partial saturation (IPS) – A novel ground improvement concept (Ongoing)

M.Tech projects

1. 1D Ground response analysis and seismic hazard assessment of central Agartala.
2. Estimation of crustal anisotropic parameters of Myanmar and Thailand at CSIR- NEIST, Jorhat, Assam. (Sept 2019- Dec 2019)

B.Tech projects

3. Suitability of recycled concrete aggregate to be used as coarse aggregate in construction. (Sept 2016- Jan 2017)
4. Coconut fibre reinforced stabilized rammed earth blocks as building material. (Oct 2015-May 2016)
5. Low cost housing models for urban and rural areas (Jan 2016).

RELATABLE COURSES

(CE813) Applied soil mechanics; (CE803) Soil properties and behavior; (CE801) Geomechanics – Theory and application; (CC801) Research methodology; Subsurface Exploration and soil Testings

PUBLICATIONS

1. Muthukkumaran, k., Pradhan, Y., **Das, R.**(2021) “Seismic performance evaluation of E-waste Georeinforced embankment and pavement ” (Accepted in IGC Trichy 2021)
2. **Das, R.**,Saha, R.,Debnath R.,(2020) “Assessment of Local Seismic Hazard of Agartala based on Nonlinear Site Response Analysis”, IGC2020 Indian Geotechnical Conference December ,Andhra University, Visakhapatnam.
3. Tripura, D.D., Raj, S., Mohammad, S. and **Das, R.** (2018) “Suitability of Recycled Aggregate as a Replacement for Natural Aggregate in construction”, *DSCS 2018, ACI Special Publication*, Moscow, Russia.
4. Raj, S., Mohammad, S., **Das, R.** and Saha, S. (2017) "Coconut fibre-reinforced cement-stabilized rammed earth blocks", *World Journal of Engineering*, Vol. 14 Issue: 3, pp.208-216. DOI: 10.1108/WJE-10-2016-0101
5. Raj, S., Mohammad, S., **Das, R.**, Saha, S. and Tripura, D.D. (2016) " Low cost housing models for urban and rural areas using rammed earth technique”, *ResearchGate*, Technical Report (1). DOI: 10.13140/RG.2.2.22676.50567

INTERNSHIP/INDUSTRIAL TRAINING

1. **Organization: at CSIR- NEIST, Jorhat, Assam**
Worked in a project titled “Estimation of crustal anisotropic parameters of Myanmar and Thailand” during . (Sept 2019- Dec 2019)
2. **Organization: National Institute Of Technology, Agartala**
Completed a week training program on GIS Software conducted at NIT Agartala during 29th Sept. 2016 to 4th Oct 2016.Geo-tagging, Geo referencing.
3. **Organization: Indian Institute of Technology, Roorkee**
Worked as project assistant on a project on traffic engineering for two months under the guidance of Dr. Indrajit Ghosh, Assistant professor at IIT Roorkee during 16th May to 15th June,2016.
4. **Company: Public Works Department (PWD), Agartala**
Successfully completed summer training in Public Works Department (PWD) during May June 2015.
5. **Company: Housing Board Department, Agartala**
Successfully completed summer training in Housing Board Department during Dec. 2014.

AWARDS AND ACHIEVEMENTS

- 1.Won the **DFI India students outreach programme "GroundWork" competition** on 1st Dec ,2020
- 2.Secured **2nd position in National Design Competition** organized by Govt. of U.P., India. The project is selected as the second-best design by the state government in rural category and awarded an amount of Three Lakh INR.

SKILLS

- 1.Basic knowledge of **Microsoft office**.
- 2.Software: **AutoCAD, STAADPRO, QGIS, DEEPSOIL, MATLAB, PLAXIS,SeismoArtif**.

EXTRA CURRICULAR ACTIVITIES

- 1.Worked as a member of Fine Arts Club during technical fest.
Place: NIT Trichy,India

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