

CURRICULUM VITAE

Dr. Ayush Mittal
Assistant Professor
Civil Engineering Department
REC Ambedkar Nagar
Phone: 9580456422, 8840818128
Email: ayushmittalce0012@gmail.com,
rce1453@mnnit.ac.in,
amittal@recabn.ac.in



PRESENT POSITION:

- **Assistant Professor**, Civil Engineering Department, REC Ambedkar Nagar, since December 11, 2017.
Responsibilities: Teaching Undergraduate Civil Engineering Students, Guiding B.Tech projects.

SPECIAL ACHIEVEMENTS:

- Reviewer for **Cleaner Materials (ELSEVIER)**.
- Reviewer for **Studia Geotechnica et Mechanica Scopus Indexed**.
- Reviewer for **Jordan Journal of Civil Engineering (JJCE) Scopus Indexed**.
- Editorial Board Member for **SSRG International Journal of Civil Engineering (IJCE)** E-ISSN 2348-8352 (Editorial ID: CEJ1793)
- Reviewer for **International Journal of Research and Analytical Reviews (IJRAR)** E-ISSN 2348-1269
- Reviewer for **International Journal of Creative Research Thoughts (IJCRT)** ISSN: 2320-2882
- Scholarship from Ministry of Human Resources Development in Ph.D from January 2015 to December 2017.
- Scholarship from Ministry of Human Resources Development in M.Tech from August 2012 to July 2014.
- 2nd Rank in Master of Technology with 9.2 CPI.
- 1st division with honors in Bachelor of Technology.
- GATE Qualified in the year 2012 and 2013.

INVITED LECTURES:

- Delivered a Lecture on **“Geotechnical Engineering Lab Practical’s”**, in Six Days Online FDP on **“Technological Industrial Practices”**, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), June 01 – 06, 2020.
- Delivered a Lecture on **“Defects in Flexible Pavement”**, in Five Days Short Term Training Programme on **“Recent Trends in Civil Engineering”** (STTPRTCE-2019), November 13–17, 2019, REC Ambedkar Nagar.
- Delivered a Lecture on **“Foundation Design and Suitability”**, in Five Days Short Term Course on **“Shallow and Deep Foundations”** (STCSDF-2019), October 15–19, 2019, REC Ambedkar Nagar.
- Delivered a Lecture on **“Sustainability in Geotechnical Engineering”**, in Five Days Workshop on **“Civil Engineering for Green and Inclusive Sustainable Development”** (CEGISD-2019), September 16–20, 2019, REC Ambedkar Nagar.
- Delivered a Lecture on **“Road Construction with Jute Geotextiles (JGT)”**, in Five Days Workshop on **“CAD: Specialized Softwares”** (CADSS-2019), July 22-26, 2019, J.C. Bose University of Science and Technology YMCA Faridabad.

WORKSHOP/ SHORT TERM COURSE/ CONFERENCE/ EXPERT LECTURES ORGANIZED:

- National Conference on **“Advances in Civil Engineering and Environmental Sciences (ACEES-2021)”**, 14-15 January 2021, Jointly Organized by Dept. of Civil Engineering and Environmental Sciences, J.C. Bose University of Science and Technology YMCA, Faridabad act as **Advisory Board Member**.

- Five Days Online National Workshop on “Emerging Trends in Civil Engineering Impacting the Construction Industry”, REC Ambedkar Nagar, November 03rd – 07th, 2020 act as **Convener**.
- One week FDP on “Safety Engineering”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), October 12th – 16th, 2020 act as **Co-ordinator. (Through Zoom Cloud HD Video Meeting App)**.
- **Coordinated** motivational webinar for 3rd year students (Civil, Electrical and IT) for GATE 2021. Expert – Mr. Abhishek Bhartiya, Civil Teat Head at Unacademy on July 21st, 2020, 10A.M. – 11 A.M., REC Ambedkar Nagar.
- Six Days Online TEQIP-III Twinning FDP on “Technological Industrial Practices”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), June 01st – 06th, 2020 act as **Convener. (Through Zoom Cloud HD Video Meeting App)**.
- **Coordinated and delivered lecture** in seminar on “Challenges and Opportunities COVID 19”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), April 16th, 2020.
- **Coordinated** Two Expert Lectures (Prof. S.P. Tewari, Academician from IIT BHU) on February 24th – 25th, 2020 in Dept. of Civil Engineering at REC Ambedkar Nagar.
- One Week Workshop on “Trends and Advances in GIS and Surveying in Civil Engineering (TAGSCE - 2020)”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), January 13th – 17th, 2020 act as **Co-ordinator. (Venue: JCBUST YMCA, Faridabad)**.
- International Conference on “Rajkiya Engineering College - Conference - 2019 (REC-CON-19)”, 28-29 November 2019, Ambedkar Nagar, India act as **Organizing Secretary**.
- One Week Short Term Training Program on “Recent Trends in Civil Engineering”, Jointly Organized by REC Ambedkar Nagar and J.C. Bose University of Science and Technology YMCA, Faridabad (Twinning Institutes), November 13th – 17th, 2019 act as **Convener. (Venue: REC Ambedkar Nagar)**.
- One Week Short Term Course on “Shallow and Deep Foundations (STCSDF-2019)”, REC Ambedkar Nagar, October 15th – 19th, 2019 act as **Convener**.
- One Week Workshop on “Civil Engineering for Green and Inclusive Sustainable Development (CEGISD-2019)”, REC Ambedkar Nagar, September 16th – 20th, 2019 act as **Convener**.
- National Conference on Computational and Characterization Techniques in Engineering and Sciences “CCTES-19”, REC Ambedkar Nagar, September 6th – 7th, 2019 act as **Member of Technical and Advisory Committee**.
- One Week Workshop on “Environmental Management for Eco-Friendly Infrastructure Development”, REC Ambedkar Nagar, September 2nd – 6th, 2019 act as **Convener**.
- Three weeks Induction Programme (IP) for newly admitted students during 01st - 21st, August 2019 act as **Member of Organizing Committee**.
- **Coordinated** Two Expert Lectures (Prof. R.K. Srivastava, Academician from MNNIT Allahabad) on August 21st – 22nd, 2019 in Dept. of Civil Engineering at REC Ambedkar Nagar.
- **Coordinated** Three Expert Lectures (Mr. Abinash Mahanta, Academician from Assam Engineering College) on August 16th – 17th, 2019 in Dept. of Civil Engineering at REC Ambedkar Nagar.
- **Coordinated** One Expert Lecture (Dr. Bipin Prajapati, Academician from KNIT Sultanpur) on August 9th, 2019 in Dept. of Civil Engineering at REC Ambedkar Nagar.
- **Coordinated** Four Expert Lectures (Mr. Amit Kumar & Mr. Anish Kumar, Academicians from REC Azamgarh) on August 2nd – 3rd, 2019 in Dept. of Civil Engineering at REC Ambedkar Nagar.
- One Week Workshop on “CAD: Specialized Softwares (CADSS-2019)”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), July 22nd – 26th, 2019 act as **Co-ordinator. (Venue: JCBUST YMCA, Faridabad)**.
- Four weeks summer internship on “MATLAB and its Application in Engineering”, REC Ambedkar Nagar, June 17th – July 12th, 2019 act as **Member of Organizing Committee**.
- One week Short Term Course on “Leadership, Management Strategy & Professional Ethics” (Through ICT), Jointly Organized by NITTTR Chandigarh and REC Ambedkar Nagar, April 08th – 12th, 2019 act as **Convener**.
- One week Short Term Course on “Project Management” (Through ICT), Jointly Organized by NITTTR Chandigarh and REC Ambedkar Nagar, March 25th – 29th, 2019 act as **Convener**.

- Two days Workshop on “Structural Design and Project Management in Civil Engineering”, Jointly Organized by J.C. Bose University of Science and Technology YMCA, Faridabad and REC Ambedkar Nagar (Twinning Institutes), March 13th – 14th, 2019 act as **Member of Organizing Committee. (At YMCA)**
- One week National Workshop on “Image Processing Computer Vision & Applications”, REC Ambedkar Nagar, March 5th – 9th, 2019 act as **Member of Organizing Committee.**
- One week Faculty Development on “Essentials of Teaching-Learning Process and Research Methodology”, REC Ambedkar Nagar, February 4th – 8th, 2019 act as **Member of Organizing Committee.**
- One week Short Term Course on “Sustainable Environmental Management” (Through ICT), Jointly Organized by NITTTR Chandigarh and REC Ambedkar Nagar, January 28th – 01st February 2019 act as **Convener.**
- One week National Workshop on “Evolving Drifts in Computer Science”, REC Ambedkar Nagar, July 9th – 13th, 2018 act as **Member of Organizing Committee.**

ONLINE COURSES:

- 8 weeks online course on “**Natural Hazards**”, through SWAYAM/ NPTEL portal, 18 Jan – 12 March 2021. Category – Civil Engineering, Level – Post Graduate. This is an AICTE approved FDP course. (Passed with 86% score, Elite + Silver certificate).
- 8 weeks online course on “**Orientation towards Technical Education & Curriculum Aspects**”, through SWAYAM portal, 10 Sep. – 11 Nov. 2020, **National Initiative for Technical Teachers Training (NITTT-2020)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 79/100).
- 8 weeks online course on “**Professional Ethics & Sustainability**”, through SWAYAM portal, 10 Sep. – 11 Nov. 2020, **National Initiative for Technical Teachers Training (NITTT-2020)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 78/100).
- 8 weeks online course on “**Communication Skills, Modes & Knowledge Dissemination**”, through SWAYAM portal, 10 Sep. – 11 Nov. 2020, **National Initiative for Technical Teachers Training (NITTT-2020)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 75/100).
- 8 weeks online course on “**Instructional Planning and Delivery**”, through SWAYAM portal, 10 Sep. – 11 Nov. 2020, **National Initiative for Technical Teachers Training (NITTT-2020)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 73/100).
- 8 weeks online course on “**Technology Enabled Learning & Life Long Self Learning**”, through SWAYAM portal, 01 April – 31 May 2021, **National Initiative for Technical Teachers Training (NITTT-2021)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 87/100).
- 8 weeks online course on “**Student Assessment and Evaluation**”, through SWAYAM portal, 01 April – 31 May 2021, **National Initiative for Technical Teachers Training (NITTT-2021)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 84/100).
- 8 weeks online course on “**Creative Problem Solving, Innovation and Meaningful R & D**”, through SWAYAM portal, 01 April – 31 May 2021, **National Initiative for Technical Teachers Training (NITTT-2021)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 71/100).
- 8 weeks online course on “**Institutional Management & Administrative Procedures**”, through SWAYAM portal, 01 April – 31 May 2021, **National Initiative for Technical Teachers Training (NITTT-2021)**, Level – Continuing Education, This is an AICTE approved FDP course. (Marks obtained 58/100).

REFRESHER COURSES/ WORKSHOPS/ CONFERENCE/ SEMINARS/ WEBINARS/ FDP/ STTP/ STC/ SUMMER TRAINING PARTICIPATED:

- Workshop on “Elsevier Author Workshop: Essentials of Research Article Writing” on May 28, 2021, at Nalanda E-Consortium, AKTU Lucknow.
- “Indian Geotechnical Conference 2020 – DIGEST”, from 17th – 19th December 2020, Andhra University, Visakhapatnam.
- Joint online FDP on “ICT Tools for Teaching, Learning Process & Institutes”, Organized by E&ICT Academy NIT Patna, MNIT Jaipur and IIIT DM Jabalpur, August 10th – 21st, 2020.
- Maccaferri Webinar on “Design & Construction of Container Yards, Loading Platforms & Unpaved Roads”, 31st July 2020 at 3:00 – 4:00 pm IST.

- Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE-2020), 02nd - 04th March 2020, Kolkata, India.
- “Indian Geotechnical Conference 2019 – GeoINDUS”, from 19th – 21st December 2019, SVNIT Surat.
- International Conference on “Recent Trends and Innovations in Civil Engineering” Department of Civil Engineering, MEDI-CAPS University Indore, September 26th – 28th, 2019.
- National Workshop on “NBA and NAAC Accreditation”, Engineering Staff College of India (ESCI) Hyderabad, Gangtok (Sikkim), June 18th – 22nd, 2019.
- Faculty Development Program on “Essentials of Teaching-Learning Process and Research Methodology”, Department of Electrical Engineering, REC Ambedkar Nagar, February 04th – 08th, 2019.
- International Conference on “Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018)”, 19-20 November 2018, MLRITM Hyderabad, India.
- International Conference on “Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018)”, 19-20 November 2018, MLRITM Hyderabad, India.
- One week course on “Numerical and Optimization Techniques (NOT-2018)”, Department of Civil Engineering, MNNIT Prayagraj, October 12th – 16th, 2018.
- Short term training program on “Publishing Research in High Value Journals”, School of Management Studies, MNNIT Prayagraj, July 16th – 21st, 2018.
- National Workshop on “Evolving Drifts in Computer Science”, Department of Information Technology, REC Ambedkar Nagar, July 9th – 13th, 2018.
- Special Summer Workshop on “Active Learning, Autonomy, Academic Governance and R & D”, Department of Management Studies, IIT Roorkee, June 25th – 29th, 2018.
- Workshop on “Qualitative Research Methodology in Social Sciences”, Department of Humanities and Social Sciences, MNNIT Prayagraj, June 11th – 17th, 2018.
- Short Term Training Program on “Laboratory and Workshop Management Issues” (Through ICT) from April 09 – 13, 2018, Jointly Organized by NITTTR Kolkata and REC Ambedkar Nagar.
- Workshop on “Outcome based accreditation for undergraduate engineering programs” from March 9th – 10th, 2018, REC Ambedkar Nagar.
- National Conference on “Road and Transport” from October 14-15, 2017, IIT Roorkee.
- International Conference on “Recent Advances in Materials, Mechanical and Civil Engineering” from June 1-2, 2017, MLRITM Hyderabad, India.
- 6th Indian Young Geotechnical Engineers Conference from March 10-11, 2017, NIT Triuchirappalli.
- Conference on “Numerical Modeling in Geomechanics” from March 03-04, 2017, IIT Roorkee.
- International Conference on “Sustainability in Geotechnical Engineering Practices and Related Urban Issues” from September 23-24, 2016, IIT Mumbai.
- National Conference on “Fifteen Years of PMGSY” (FYPMGSY) from August 6-7, 2016, IIT Roorkee.
- International Conference on “Soil and Environment” from July 22-23, 2016, Indian Institute of Science, Bangalore.
- “Summer training cum Internship Programme in Civil Engineering (STIPCE-2015)” from June 15- July 12, 2015, MNNIT Prayagraj.
- Workshop on “Digital India” on July 31, 2015, MNNIT Prayagraj.
- Short Term Course on “Bio-Inspired and Geospatial Techniques” (BIOGEOS) from February 27- March 03, 2015, MNNIT Prayagraj.
- Short Term Course on “Biotechnology, IPR & Entrepreneurship” from January 14 - 18, 2015, MNNIT Prayagraj.
- Workshop on “Scientific Contributions of Acharya Jagadish Chandra Bose and Acharya Prafulla Chandra Ray” Jointly Organized by MNNIT Prayagraj, Allahabad University and Harish-Chandra Research Institute from December 23-24, 2013, MNNIT Prayagraj.
- Short Term Course on “Geotechnical investigations for urban planning and development” (GIUPD) from December 16-20, 2013, MNNIT Prayagraj.

MEMBERSHIP:

- Associate Member of “Institution of Engineers (India)”. Member code: AM 163549-5
- Life Member of “Indian Geotechnical Society (IGS)”, India. Member code: LM-3943

- Life Member of “Indian Society for Rock Mechanics and Tunneling Technology”. Member code: LM-2041
- Life Member of “Indian Society for Technical Education”. Member code: LM-109643
- Life Member of “The Indian Science Congress Association”. Member Number: L-28957
- Individual member of “National Register of Engineers” an initiative of Consulting Engineers Association of India (CEAI). Member Number: CEAI/NRE/CAT-01/00020
- Life Member of “The Indian Society for Hydraulics”. Member Number: LM-1410
- Life Member of “Indian Water Resources Society”. Membership Number: LM-18-7797
- Life Member of “Swadeshi Science Movement of India”. Membership Number: SSM'D-725
- Life Member of “Indian Association of Hydrologists”. Membership Number: LM-1977

RESEARCH ID's :

- Google Scholar ID:- ayushmittalce0012@gmail.com
- ORCID ID:- 0000-0002-5479-4841
- Scopus Author ID:- 55786896200

LIST OF PUBLICATIONS:

Book Chapters

a) Book Title: Proceedings of the Indian Geotechnical Conference 2019 pp. 375-383

Chapter Title: **Review on Suitability of Rice Husk Ash as Soil Stabilizer.**

Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)

Authors: **Ayush Mittal**, Shalinee Shukla, and Sonu Verma

Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds) Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_34

Print ISBN: 978-981-33-6443-1

Online ISBN: 978-981-33-6444-8

b) Book Title: Proceedings of the Indian Geotechnical Conference 2019 pp. 365-374

Chapter Title: **Application of Non-woven Polyester Geotextile for Soil Improvement in Pavements.**

Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)

Authors: Shalinee Shukla, **Ayush Mittal**, R.P. Tiwari and Kshma Gupta

Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds) Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_33

Print ISBN: 978-981-33-6443-1

Online ISBN: 978-981-33-6444-8

c) Book Title: Proceedings of the Indian Geotechnical Conference 2019 pp. 211-218

Chapter Title: **Improvement in Soil Subgrade Using Natural Fibre (Kenaf and Coir Fibre).**

Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)

Authors: Shalinee Shukla, **Ayush Mittal** and Sunit Kumar

Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds) Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_18

Print ISBN: 978-981-33-6443-1

Online ISBN: 978-981-33-6444-8

d) Book Title: Recent Trends in Civil Engineering pp. 501-511

Chapter Title: **Soil Subgrade Stabilization Using Non-woven Polypropylene Geotextile.**

Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 77)

Authors: **Ayush Mittal** and Shalinee Shukla

Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Pathak K.K., Bandara J.M.S.J., Agrawal R. (eds) Singapore. DOI. https://doi.org/10.1007/978-981-15-5195-6_39

Print ISBN: 978-981-15-5194-9

e) Book Title: **Geotechnics for Transportation Infrastructure** pp. 295-302

Chapter Title: **Use of Jute Geotextile in Strength Enhancement of Soft Subgrade Soil.**

Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 29)

Authors: Shalinee Shukla, R.P. Tiwari, Vaishali Rajbhar and **Ayush Mittal**

Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Sundaram R., Shahu J., Havanagi V. (eds) Singapore. DOI: https://doi.org/10.1007/978-981-13-6713-7_24

Print ISBN: 978-981-13-6712-0

Online ISBN: 978-981-13-6713-7

Journal Papers

1. **Ayush Mittal**. “Effect of Coir Fibres on Strength, Thickness and Cost of PMGSY Roads”, IOP Conference Series: Materials Science and Engineering. Vol. 1136, 2021, pp. 1-7.
2. Pankaj Kumar, Asit Singh, Nitin Kumar Shukla and **Ayush Mittal**. “Removal of Heavy Metals by using Low cost Adsorbent”, PENSEE, Vol. 50, Issue 12, 2020, pp. 1694-1698.
3. Nitin Kumar Shukla, Jai Prakash Nayak, **Ayush Mittal** and Asit Singh. “Performance of Selfsocially Acceptable and Environmental Eco-Friendly Solid Waste Management top 10 cities In India”, PENSEE, Vol. 50, Issue 12, 2020, pp. 1796-1806.
4. Abdullah Anwar, **Ayush Mittal**, Anshuman Singh and Jitendra Gond. “Strength and Durability Behavior of Geo-Polymer Concrete: An Overview”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 11, Issue 12, 2020, pp. 2486-2495.
5. **Ayush Mittal**. “Effect of Rice Husk Ash and Stone Dust on Select Engineering Properties of Poor Subgrade Soil”, Jordan Journal of Civil Engineering, Vol. 15, No. 1, 2021, pp. 133-141.
6. **Ayush Mittal** and Shalinee Shukla. “Effect of Geogrid Reinforcement on Strength, Thickness and Cost of Low Volume Rural Roads”, Jordan Journal of Civil Engineering, Vol. 14, No. 4, 2020, pp. 587-597.
7. **Ayush Mittal** and Shalinee Shukla. “Effect of Random Inclusion of Kenaf Fibres on Strength Behaviour of Poor Subgrade Soils”, Jordan Journal of Civil Engineering, Vol. 14, No. 1, 2020, pp. 43-56.
8. **Ayush Mittal** and Shalinee Shukla. “Effect of Geosynthetic Reinforcement on Strength Behaviour of Weak Subgrade Soil”, Materials Science Forum, Trans Tech Publications, Vol. 969, August 2019, pp. 225-230, doi:10.4028/www.scientific.net/MSF.969.225
9. **Ayush Mittal** and Shalinee Shukla. “Remediation Technologies – A comparative Study”, Materials Science Forum, Trans Tech Publications, Vol. 969, August 2019, pp. 697-702, doi:10.4028/www.scientific.net/MSF.969.697
10. **Ayush Mittal** and Shalinee Shukla. “Strength Improvement of Poor Subgrade Soil Reinforced with Polyester Biaxial Geogrid”, Jordan Journal of Civil Engineering, Vol. 13, No. 2, April 2019, pp. 214-225.
11. **Ayush Mittal**. “Soil Stabilization Using Random Inclusions: A Review”, International Journal of Research and Analytical Reviews (IJRAR), Vol. 5, Issue 4, November 2018, pp. 257-258.
12. **Ayush Mittal**. “A Review on Use of Synthetic Geogrids for Soil Reinforcement”, IOSR Journal of Engineering (IOSR-JEN), Vol. 8, Issue 11, November 2018, pp. 80-83.
13. **Ayush Mittal** and Sukeerti Bansal. “Stabilization of Soil Using Synthetic Geotextiles – A Review”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 5, Issue 11, November 2018, pp. 225-227.
14. **Ayush Mittal** and Shalinee Shukla. “Effect of Non-Woven Geotextile and Biaxial Geogrid Reinforcement on the Strength Behaviour of Subgrade Soil”, SSRG International Journal of Civil Engineering (IJCE), Vol. 5, Issue 10, October 2018, pp. 28-32. Doi: 10.14445/23488352/IJCE-V5I10P105.
15. **Ayush Mittal**. “Geosynthetics: An Overview”, International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), Vol. 4, Issue 4, March – April 2018, pp. 231-238.
16. **Ayush Mittal** and Shalinee Shukla. “Influence of Geotextile and Geogrid Reinforcement on Strength Behaviour of Soft Silty Soil”, Applied Mechanics and Materials, Trans Tech Publications, Vol. 877, February 2018, pp. 264-269, doi:10.4028/www.scientific.net/AMM.877.264

17. Rishi Srivastava, Shalinee Shukla, R.P. Tiwari and **Ayush Mittal**. “Effect of Woven Polyester Geotextile on the Strength of Black Cotton Soil”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 5, Issue 7, July 2016, pp. 12402-12408. DOI:10.15680/IJIRSET.2016.0507048
18. **Ayush Mittal** and Munesh Kumar. “Ground Water Status- A Case Study of Allahabad, UP, India”, International Journal of Advances in Engineering & Technology (IJAET), Vol. 7, Issue 3, July 2014, pp. 838-844. DOI: 10.7323/ijaet/v7_iss3

Conference Proceedings

19. **Ayush Mittal**. “Effect of Coir Fibres on Strength, Thickness and Cost of PMGSY Roads”, International Conference on Advances in Materials, Mechanics, Mechatronics and Manufacturing (IC4M 2021), 06-07 March 2021.
20. **Ayush Mittal**. “Study of Soil Properties at Various Locations of Basti District: A Laboratory Work”, International Conference on Recent Advances in Science and Engineering (RASE-2021), 26-27 February 2021, REC Sonbhadra.
21. Asit Singh, Nitin Kumar Skukla, **Ayush Mittal**. “Feasibility Analysis of Green Building”, National Conference on Advances in Civil Engineering and Environmental Sciences (ACEES-2021), 14-15 January 2021, J.C. Bose University of Science and Technology YMCA, Faridabad.
22. **Ayush Mittal**. “Soil Stabilization Using Bio-Enzyme: A Review”, Developments in Geotechnical Engineering for Sustainable Tomorrow (DIGEST), 17-19 December 2020, College of Engineering, Andhra University, Visakhapatnam, India.
23. **Ayush Mittal** and Shalinee Shukla. “Soil Stabilization Using Natural Geotextile: A Review”, Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020), 02-04 March 2020, Kolkata, India.
24. **Ayush Mittal**, Shalinee Shukla, Abhishek Pratap Singh, Sumit Rawat, Vedansh Singh Chandel and Rahul Kumar Pal. “Soil Stabilization of Black Cotton Soil with the help of PET Bottles Scrap”, 3rd International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD2020), 19-21 February 2020, Chandigarh, India.
25. **Ayush Mittal**, Shalinee Shukla, Shivam Verma, Sandeep Kumar and Vishal. “Stabilization of Weak Subgrade Soil Using Waste Paper Sludge Ash”, 3rd International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD2020), 19-21 February 2020, Chandigarh, India.
26. **Ayush Mittal**, Shalinee Shukla and Sonu Verma. “Review on Suitability of Rice Husk Ash as Soil Stabilizer”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India, pp. 1866-1873.
27. Shalinee Shukla, **Ayush Mittal**, R.P. Tiwari and Kshma Gupta. “Application of Non-Woven Polyester Geotextile for Soil Improvement in Pavements”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India, pp. 1856-1865.
28. Shalinee Shukla, **Ayush Mittal** and Sunit Kumar. “Improvement in Soil Subgrade Using Natural Fibre (Kenaf and Coir Fibre)”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India, pp. 1595-1603.
29. Abhishek Kumar Singh, Nitin Kumar Shukla and **Ayush Mittal**. “Eco-Friendly & Reusable Materials used in Construction to Minimized the CO₂ Emission”, International Conference “Rajkiya Engineering College-Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India, pp. 296-299.
30. Praveen Upadhyay, M.C. Choudhary, Vanita Aggarwal, **Ayush Mittal** and Abhishek Pratap Singh. “Rice Husk Ash Concrete- A Review”, International Conference “Rajkiya Engineering College- Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India, pp. 288-295.
31. Prashant Patel, **Ayush Mittal**, Shubhang Yadav and Vedansh Singh Chandel. “Review on Soft Computing Techniques to Evaluate Soil liquefaction based on SPT data Sets”, International Conference “Rajkiya Engineering College- Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India, pp. 300-305.
32. **Ayush Mittal** and Shalinee Shukla. “Soil subgrade stabilization using non-woven polypropylene geotextile”, International Conference on Recent Trends and Innovations in Civil Engineering (ICRTICE-2019), 26-28 September 2019, MEDI-CAPS University Indore, India.

33. **Ayush Mittal** and Shalinee Shukla. “Effect of Geosynthetic Reinforcement on Strength Behaviour of Weak Subgrade Soil”, International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018), 19-20 November 2018, MLRITM Hyderabad, India.
34. **Ayush Mittal** and Shalinee Shukla. “Remediation Technologies – A comparative Study”, International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018), 19-20 November 2018, MLRITM Hyderabad, India.
35. Shalinee Shukla, R.P. Tiwari, Vaishali Rajbhar and **Ayush Mittal**. “Use of Jute Geotextile in Strength Enhancement of Soft Subgrade Soil”, International Symposium on Geotechnics of Transportation Infrastructure (ISGTI – 2018), 07-08 April 2018, IIT Delhi, India, pp. 526-531.
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WORK EXPERIENCE:

1. 11-12-2017 to Till Date

Assistant Professor, REC Ambedkar Nagar, Uttar Pradesh, India.

DECLARATION:

I hereby certify that all the information provided here is correct to the best of my knowledge and belief and i promise to abide by all the norms laid down by your esteemed organization.

Date: 10/12/2021

Place: Ambedkar Nagar, UP

(Dr. Ayush Mittal)