



Work Address: Dream Institute of Technology, Samali, Kolkata- 700104

Contact No.: 8697400802

Email: adityaghosh369@gmail.com

ADITYA SHANKAR GHOSH

Objective: Motivated Engineering Fellow trained and experienced in Teaching, Education and Learning. Highly effective at Delivering Lectures and completion of Academic Projects. Exceptional Interpersonal and Communication skills with effective Multitasking abilities. Prepared to deliver 1st rate results to every student's satisfaction.

Experience: Academic.

2022 – 08 - present	Assistant Professor <i>Dream Institute of Technology, Kolkata</i> Engineering college under MAKAUT (Formerly WBUT).
2022 – 01 - present	Academic Specialist – Student Experience (Part Time.) <i>BYJU'S Educational Technology Company, Kolkata</i>
2017 – 08- present	Senior Research Fellow (Civil Engg. Dept.) <i>Indian Institute of Engineering Science and Technology(I.I.E.S.T) Shibpur, Howrah</i> An Institute of National Importance.
2015 – 01- 2017 – 07	Assistant Professor & Teacher-In-Charge (Civil Engg. Dept.) <i>Budge Budge Institute of Technology, Kolkata</i> Engineering college under MAKAUT (Formerly WBUT).
2018 – 03 - 2018 – 07	Assistant Professor (Visiting, Civil Engg. Dept.) <i>Future Institute of Technology, Kolkata</i> Engineering college under MAKAUT (Formerly WBUT).
2016 – 02 - 2016 – 12	Guest Lecturer (Civil Engg. Dept.) <i>Gargi Memorial Institute of Technology, Kolkata</i> Engineering college under MAKAUT (Formerly WBUT).
2015 – 02 - 2015 – 07	Part Time Faculty (Civil Engg. Dept.) <i>JIS College of Engineering, Kalyani</i> An Autonomous Institute under MAKAUT (Formerly WBUT).
2013 – 07 - 2014 – 05	Prottem Lecturer (Civil Engg. Dept.) <i>Gargi Memorial Institute of Technology, Kolkata</i> Engineering college under MAKAUT (Formerly WBUT).

2011 – 11 – 2012 – 03	Visiting Faculty (Civil Engg. Dept.) Narula Institute of Technology, Kolkata An Autonomous Institute under MAKAUT (Formerly WBUT).
2018 – 07 - 2018 – 12	Master Teacher for GATE and IES (Traffic & Highway Engg.) Sri Ramkrishna Institute of Engineering, Kolkata A coaching institute preparing engineering students for various Govt. technical competitive exams like GATE, IES,SSC, PSC, RRB, PSUs and Others.

Education:

2017 – 08 - present	Indian Institute of Engineering Science and Technology(I.I.E.S.T) Shibpur, Howrah Ph.D. Traffic & Highway Engineering.
2011 – 08 - 2014 – 12	Indian Institute of Engineering Science and Technology(I.I.E.S.T) Shibpur, Howrah Masters of Engineering (M.E), Traffic & Highway Engg.
2007 – 07 - 2011 – 06	Narula Institute of Technology, Kolkata Bachelor of Technology, Civil Engineering.
2005 – 03 - 2007 – 03	St. Joseph & Mary's School, Kolkata I.S.C.E. (Senior Secondary), Pure Science.
2003 – 05	Vivekananda Mission School, Kolkata I.C.S.E. (Secondary).

Experience: Projects and Consultancies.

2022 – 07 - 2022 – 07	Design check of Srijan Gangaghat Road Section for M. N. ConsultantsPvt. Ltd. Consultant
2022 – 02 - 2022 – 02	Survey of Physical Condition of Public Road by WBSRDA inSingur using LFWD. Research Scholar
2021 – 10 - 2022 – 02	Design check and design of Pavements and various roadworks for various projects along with M. N. ConsultantsPvt. Ltd. Consultant
2018 – 03 - 2018 – 03	Survey of Physical Condition of Public Road Interconnection with Development & Strengthening of Existing Public Road from Anchorage Camp to Durgachak Level Crossing by KoPT Research Scholar
2011 – 08 - 2014 – 11	A Study on the Effect of Rice Husk Ash (RHA) on Mix Design of High Grade Concrete used for Rigid Pavement Post Graduate Fellow
2010 – 06 - 2010 – 07	Nagerbazar Flyover Project under Hooghly River BridgeCommissioners (HRBC) Under – graduate Project Intern

Awards and Nominations:

2022	International Research Excellence Best Paper Awards, 2022 Nominated Mr. Aditya Shankar Ghosh under the category of Best Researcher Awards in the year 2022.
2022	Materials Today, 2022 Elsevier Nominated Mr. Aditya Shankar Ghosh under the

	category of Rising Star Awards.
2022	ISSN International Research Awards 2022 (IISTAC-2022) Awarded International Best Researcher Award 2022 to Mr. Aditya Shankar Ghosh.
2021 – 12	Springer Best Paper Award at GEO-INDIA IGC-2021 conference NIT Tiruchirappalli
2019 – 03	Best Technical Paper Presentation at 7th Indian Young Geotechnical Engineers Conference(7IYGEC) NIT Silchar
2017 – 08	SRF Gate Scholarship MHRD, India
2011 – 03	AICTE GATE Scholarship 2011 MHRD, India
2009 – 10	Merit Certificate for securing 2nd Position Among B.Tech. students of the institute in 1stSemester Examination Narula Institute of Technology

Computer Technical Skills:

Microsoft Office, Microsoft Excel, Origin Pro, LWDMod, Civil Engineering Instruments.

Research Projects:

1. Evaluating the Utility of Pond Ash as an Alternative Foundation Material Partially replacing Sand for Foundation Layers
2. Elemental Assessment of Pond Ash for Evaluating its Application as a Subbase Material for Hardstand
3. Sustainable Industrial Waste Management: Pond Ash as a Sustainable Alternative Foundation Material for Pavement Subbase Construction.
4. Evaluation of The Durability of Stabilized Conventional Granular Material with Pond Ash and Lime used as a Subbase Course of Flexible Pavement.
5. Performance Evaluation of Nano Material Stabilized Pond Ash as Subbase Layer Material for Roadway Pavement

Post Graduate Topic:

1. Performance of Rice Husk Ash as a Replacement of Hydrated Cement Used in Rigid Pavement
2. Impact of Rice Husk Ash as a Supplementary Cementing Material used in Rigid Pavement

Undergraduate Topic:

Bachelor of Technology in Civil Engineering under West Bengal University of Technology

List of Publications:

<i>Sl. No</i>	<i>Title of Paper(s)</i>	<i>Name of the Author(s)</i>	<i>Name of the Journal(s)</i>	<i>Page(s)</i>	<i>Volume & Year</i>
Book Chapters					
1	Evaluating the Utility of Pond Ash as an Alternative Foundation Material Partially replacing Sand for Foundation Layers	Aditya Shankar Ghosh and Tapas Kumar Roy	Springer book chapter, "Proceedings of the 7 th Indian Young Geotechnical Engineers Conference", 7IYGEC-2019	Page No. 157-165 Chapter 18 Springer Nature Part of the Lecture Notes in Civil Engineering book Series	Volume 195 2022 ISBN No.: 978-981-16-6455-7 DOI: 10.1007/978-981-16-6456-4
2.	Evaluation of the Utility of Pond Ash as an Alternative Material for Subbase for Low Volume Roads	Aditya Shankar Ghosh and Tapas Kumar Roy	<i>Proceedings of Peer-Reviewed Full-Length Papers</i> Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE 2020)	Page No. 1616-1620	ISBN: 978-81-954551-0-2
3.	Elemental Assessment of Pond Ash for Evaluating its Application as a Subbase Material for Hardstand	Aditya Shankar Ghosh and Tapas Kumar Roy	Lecture Notes in Civil Engineering, Kasinathan Muthukkumaran <i>et al.</i> (Eds.): Soil Behavior and Characterization of Geomaterials.	Chapter 9	Volume 296 978-981-19-6512-8, 524207-1-En
4.	Sustainable Industrial Waste Management: Pond Ash as a Sustainable Alternative Foundation Material for Pavement Subbase Construction	Aditya Shankar Ghosh and Tapas Kumar Roy	Proceeding of e-ConSus 2021 on Revisiting Strategies for Sustainable Development,	Published as book chapter in Red'shine Publication	ISBN No.: 978-93-94727-41-0
Journals					
1.	Evaluation of The Durability of Stabilized Conventional Granular Material with Pond Ash and Lime used as a Subbase Course of Flexible Pavement	Aditya Shankar Ghosh and Tapas Kumar Roy	In Proceedings of International Conference on Advances in Construction Materials and Structures, 2021.	Materials Today: Proceedings	Volume 65, Issue P2, 2022, ISSN 2214-7853
2.	Performance Evaluation of Nano Material Stabilized Pond Ash as Subbase Layer Material for Roadway	Aditya Shankar Ghosh, Abhishek Roy and Tapas Kumar Roy	2 nd International Conference of Construction Materials and Structures (ICCMS 2022)	Under Review by Materials Today: Proceedings	

	Pavement				
3.	Utility of Lime Stabilized Pond Ash and Sand Mix using Nano-material for the Subbase course of Industrial Pavements	Abhishek Roy, Aditya Shankar Ghosh and Tapas Kumar Roy	In 2 nd International Conference on Transportation Infrastructure Projects Conception To Execution (TIPCE- 2022), Indian Institute of Technology, Roorkee.	Under review by Springer for Journal Publication	
<i>Conference Proceedings</i>					
1.	Utility of Lime Stabilized Pond Ash and Sand Mix using Nano-material for the Subbase course of Industrial Pavements	Abhishek Roy, Aditya Shankar Ghosh and Tapas Kumar Roy	In 2 nd International Conference on Transportation Infrastructure Projects Conception To Execution (TIPCE- 2022), Indian Institute of Technology, Roorkee.	Published in Conference Proceedings	Under review by Springer for Journal Publication
2.	Sustainable Industrial Waste Management: Pond Ash as a Sustainable Alternative Foundation Material for Pavement Subbase Construction	Aditya Shankar Ghosh and Tapas Kumar Roy	e-ConSus 2021 Abstract Proceedings December 21-22, 2021, Banwarilal Bhalotia College, Asansol.	Page No. 03	ISBN: 978-93-94727-41-0
3.	Elemental Assessment of Pond Ash for Evaluating its Application as a Subbase Material for Hardstand	Aditya Shankar Ghosh and Tapas Kumar Roy	Proceedings of Indian Geotechnical Conference, IGC-2021, December 16-18, 2021 NIT Tiruchirappalli.	Online Conference Proceedings: https://igc2021trichy.nit.edu/proceedings.php	
4.	Evaluation of the Utility of Pond Ash as an Alternative Material for Subbase for Low Volume Roads	Aditya Shankar Ghosh and Tapas Kumar Roy	Proceedings of Peer-Reviewed Abstracts Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies, CRSIDE2020, March 02-04, 2020, Kolkata	Page No. 270	ISBN: 978-93-5396-500-6 Edition 1 Volume 1 2020
5.	Evaluating the Utility of Pond Ash as an Alternative Foundation Material Partially replacing Sand for Foundation Layers	Aditya Shankar Ghosh and Tapas Kumar Roy	Proceedings of the 7 th Indian Young Geotechnical Engineers Conference”, 7IYGEC-2019, Organized by Indian Geotechnical Society, Silchar Chapter 15-16 th March, 2019	Page No. 42	Edition 1 Volume 1 2019

6.	Prediction of CBR Values of High Plastic Soil for Gangetic Alluvium in West Bengal	Krishnan Pal and Aditya Shankar Ghosh	Conference Proceedings on Engineering Problems and Application of Mathematics 2016 (EPAM-2016), NIT Agartala	Page No. 48	
7.	Impact of Rice Husk Ash as a Supplementary Cementing Material used in Rigid Pavement	Aditya Shankar Ghosh and Krishnan Pal	Conference Proceedings on Engineering Problems and Application of Mathematics 2016 (EPAM-2016), NIT Agartala	Page No. 35	
8.	Performance of Rice Husk Ash as a Replacement of Hydrated Cement Used in Rigid Pavement	Aditya Shankar Ghosh and Tapas Kumar Roy	Conference Proceedings on All India Seminar on Concrete Roads- An Alternative In Indian Milieu, 2015	Chapter 8 Civil Engineering Division, The Institution of Engineers (India)	Vol. 1