

## Curriculum Vitae

**Name** : Dr. Sujit Kumar Pradhan  
Assistant Professor  
Department of Civil Engineering  
IGIT Sarang  
(An Autonomous Institute of Govt. of Odisha)  
Dhenkanal-759146, Odisha, India  
E-mail: sujitpradhan@igitsarang.ac.in

### **Research Interests:**

Sustainable materials, Recycling, Stabilization, Pavement characterization and evaluation  
Waste minimization, Bitumen characterization, Porous concrete

### **Educational Qualification**

<b>Degree</b>	<b>Institute/University</b>	<b>Year</b>	<b>Specialization</b>
PhD	IIT Bhubaneswar	2021	Transportation Engineering
M. Tech	IEST Shibpur, Kolkata	2009	Highway & Traffic Engineering
B. Tech	IGIT Sarang, Odisha	2005	Civil Engineering

### **List of publications**

#### **International Journals:**

- [1] Samal, C.H., Biswal, D.R., Pradhan, S.K., & Pasayat, A.K. (2025). Data-driven Assessment of Construction and Demolition Waste Causes and Mitigation Using Machine Learning. *Construction Materials* (Accepted)
- [2] Mohanty, A., Biswal, D. R., Pradhan, S. K., & Mohanty, M. (2025). Impact of Nanomaterials on the Mechanical Strength and Durability of Pavement Quality Concrete: A Comprehensive Review. *Eng*, 6(4), 66. <https://doi.org/10.3390/eng6040066>
- [3] Samal, C. G., Biswal, D. R., Udgata, G., & Pradhan, S. K. (2025). Estimation, Classification, and Prediction of Construction and Demolition Waste Using Machine Learning for Sustainable Waste Management: A Critical Review. *Construction Materials*, 5(1), 10. <https://doi.org/10.3390/constrmater5010010>
- [4] Pradhan, S. K., & Pothal, G. K. (2025). Coir geosynthetics as a reinforcing material for pond ash used in road subgrade: DOI registering. *Advances in Civil and Architectural Engineering*, 16(30), 106–125. <https://doi.org/10.13167/2025.30.7>
- [5] Pradhan, S.K. (2024). Investigating the effect of cement-stabilized reclaimed asphalt pavement (RAP) materials on the mechanical behavior of granular subbase

- layers. *Multiscale and Multidiscip. Model. Exp. and Des.* **7**, 4413–4431 (2024). <https://doi.org/10.1007/s41939-024-00486-4>
- [6] Pradhan, S.K., Pothal, G.K. (2024). Shear strength characteristics of pond ash reinforced with polymeric and natural fiber geosynthetic. *Geotechnical and Geological Engineering*, Springer. <https://doi.org/10.1007/s10706-024-02765-w>
- [7] Mohanty, S.K., Pandit, N.K., Sah P.K., Manasseh, N., Yadav, R., Biswal, D.R., Mohapatra, B.G., Beriha, B., Pradhan, R., Pradhan, S.K. (2024). Durability, Capillary Rise and Water Absorption Properties of Fiber Reinforced Cement Stabilized Fly Ash Stone Dust Mixture. *Infrastructure*. <https://doi.org/10.3390/infrastructures9020017>
- [8] Pradhan, S.K., Pothal, G.K. (2023). Experimental and cost evaluation of pond ash reinforced with polymeric geogrid. *Multiscale and Multidisciplinary Modelling Experiments and Design*, Springer. <https://doi.org/10.1007/s41939-023-00214-4>
- [9] Pradhan, S.K. (2022). Short term and long-term aging effect of the rejuvenation on RAP binder and mixes for sustainable pavement construction. *International Journal of Transportation Science and Technology*, Elsevier. Volume 12, Issue 4. <https://doi.org/10.1016/j.ijst.2022.09.005>
- [10] Pradhan, S.K., and Sahoo, U.C. (2021). Evaluation of recycled asphalt mixtures rejuvenated with *Manduca Longifolia* (Mahua) oil. *International Journal of Pavement Research and Technology* Springer, 14(1), pp.43-53. <https://doi.org/10.1007/s42947-020-0279-6>
- [11] Pradhan, S.K., and Sahoo, U.C. (2020). Effectiveness of pongamia pinnata oil as rejuvenator for higher utilization of reclaimed asphalt (RAP) material. *Innovative Infrastructure Solutions*, Springer, 5 (2), 92. <https://doi.org/10.1007/s41062-020-00343-6>
- [12] Pradhan, S.K., and Sahoo, U.C. (2020). Influence of softer binder and rejuvenator on bituminous mixtures containing reclaimed asphalt pavement (RAP) material. *International Journal of Transportation Science and Technology*, Elsevier. Vol. 11(1), pp 46-59. <https://doi.org/10.1016/j.ijst.2020.12.001>
- [13] Pradhan, S.K., and Sahoo, U.C. (2020). Use of Mahua oil for rejuvenation of the aged binder through laboratory investigations. *International Journal of Transportation Science and Technology*, Elsevier. Vol. 11(1), pp. 32-45. <https://doi.org/10.1016/j.ijst.2020.11.002>
- [14] Pradhan, S.K., and Sahoo, U.C. (2019). Performance of aged binder rejuvenated with Polanga oil. *Journal of Traffic and Transportation Engineering*, Elsevier, 6(6), pp. 608-620. <https://doi.org/10.1016/j.jtte.2018.06.004>

#### **International Conference:**

- [1] Baral, T.R., Patra, A.R., Das, U., Pradhan, S.K. (2024). Use of recycled concrete aggregates in construction. *Sustainable Materials, Structures and IoT (SMSI-2024)*.

Taylor & Francis. <https://doi.org/10.1201/9781003596776-21>

- [2] Naik, D., Pradhan, S.K., Panda, B.C. (2024). Reclaimed Asphalt Pavement as a Sustainable Material for Pavement Application. Sustainable Materials, Structures and IoT (SMSI-2024). Taylor & Francis. <https://doi.org/10.1201/9781003596776-52>
- [3] Pradhan, S.K., Ujjapana, D., Patra, A.R. (2023). Utilization of Reclaimed Asphalt Pavement (RAP) materials in HMA mixtures for flexible pavement construction. *Materials Today proceedings, Elsevier*. <https://doi.org/10.1016/j.matpr.2023.04.464>
- [4] Baral, T.R., Pradhan, S.K., Naik, D. (2023). Latex modified steel fibre reinforced concrete. International conference on Emerging Trends in Engineering and Technology-Industry 4.0 (ETETI-2023). Taylor & Francis. <http://dx.doi.org/10.1201/9781003450924-58>
- [5] Pradhan, S.K., and Behera, N. (2022). Performance assessment of pervious concrete road on strength and permeability by using silica fume. *Materials Today proceedings, Elsevier*, Volume 60, Part 1, pp 559-569. <https://doi.org/10.1016/j.matpr.2022.02.018>
- [6] Pradhan, S.K., and Biswal, G. (2022). Utilization of reclaimed asphalt pavement (RAP) as granular sub-base material in road construction. *Materials Today proceedings, Elsevier*, Volume 60, Part 1, pp 288-293. <https://doi.org/10.1016/j.matpr.2021.12.564>
- [7] Pradhan, S.K., Behera, N., and Palai, A. (2022). Performance Study of Pervious Concrete as a Road Pavement Infrastructure System. Springer, *International Conference on Road and Airfield Pavement Technology 2021 (ICPT 2021)*, Sri Lanka, Vol. 193, pp.517-528. [https://doi.org/10.1007/978-3-030-87379-0\\_39](https://doi.org/10.1007/978-3-030-87379-0_39)
- [8] Pradhan, S.K., and Sahoo, U.C. (2022). Effect of softer binder on hot asphalt mixture containing RAP. *International Conference on Recent Developments in Sustainable Infrastructure: Research and Practices (ICRDSI 2020)*, Lecture Notes in Civil Engineering, Springer, LNCE, volume 207, pp 61-71. [https://doi.org/10.1007/978-981-16-7509-6\\_6](https://doi.org/10.1007/978-981-16-7509-6_6)
- [9] Pradhan, S.K., Rath, A., Pothal, G.K. (2021). Evaluation of Cloth Bag and Gunny Bag as Potential Reinforcing Materials for Pond Ash. Springer, *International Conference on Construction Materials and Environment, 2021 (ICCME 2021)*, Vol 196, pp385-393. [https://doi.org/10.1007/978-981-16-6557-8\\_31](https://doi.org/10.1007/978-981-16-6557-8_31)
- [10] Pradhan, S.K., and Sahoo, U.C. (2020). Impacts of recycling agent on superpave mixture containing RAP. *5<sup>th</sup> International symposium on asphalt pavement & environment*, Lecture notes in Civil Engineering, Springer Nature, Switzerland, vol. 48, pp. 246-255. [https://doi.org/10.1007/978-3-030-29779-4\\_24](https://doi.org/10.1007/978-3-030-29779-4_24)
- [11] Pradhan, S.K., and Sahoo, U.C. (2020). Use of locally available oil type rejuvenators for asphalt recycling. *13<sup>th</sup> International Conference on Transportation planning and implementation methodologies for developing countries*, 10-11 December, IIT Bombay.
- [12] Pradhan, S.K., and Sahoo, U.C. (2019). Effectiveness of polanga oil as rejuvenator for asphalt with high RAP content. *International airfield and highway pavement conference*,

*American Society of Civil Engineering*, pp 114-126. [https://doi.org/ 10.1061 / 9780784482469.012](https://doi.org/10.1061/9780784482469.012)

- [13] Pradhan, S.K., and Sahoo, U.C. (2018). Rheological characterization of aged binder rejuvenated with polanga oil. *International conference on Pavements and computational approaches*, Central Road Research Institute, New Delhi.

#### **Editor of the Book Chapter:**

[1] Sethi, S., Mahamad, M., Pradhan, S.K., & Sethi, R. (Eds.). (2024). *Industry 4.0 with Modern Technology* (1st ed.). CRC Press. <https://doi.org/10.1201/9781003450924>

[2] Pradhan, S.K., Sethi, S., & Mahmud, M. (Eds.). (2024). *Sustainable Materials, Structures and IoT* (1st ed.). CRC Press. <https://doi.org/10.1201/9781003596776>

#### **Research & Development Project:**

**Title of the project-** Utilization of high reclaimed asphalt pavement (RAP) content with inclusion of copper slag and synthetic fibre as an additive for pavement construction (Continuing)

**Funded by-** Govt. of Odisha, Sanctioned **amount** – Rs 10.00 Lakhs

#### **International Conference organized:**

- [1] Emerging Trends in Engineering and Technology-Industry 4.0(ETETI-2023), May 6-7, 2023, Taylor and Francis.
- [2] Sustainable Materials, Structures and IoT (SMSI-2024), July 6<sup>th</sup> -7<sup>th</sup>, 2024, Taylor and Francis

#### **Workshop/Short term course/Faculty Development Program organized:**

- [1] ATAL Online FDP on Empowering the Future: Sustainable Energy for a Changing Climate, 24<sup>th</sup> -29<sup>th</sup> November 2025, Department of Civil Engineering, IGIT Sarang
- [2] Student Symposium on Applications in Civil Engineering Series II (ACE -2024), 5<sup>th</sup> – 6<sup>th</sup> November 2024, Department of Civil Engineering, IGIT Sarang
- [3] One-day workshop with TATA Steel for Mason Training, December 22, 2023, Department of Civil Engineering, IGIT Sarang.
- [4] Pavement materials and evaluation (PME-2023), December 11-15, 2023, Department. of Civil Engineering, IGIT Sarang
- [5] Pavement characterization and traffic analysis (PCTA-2022), Feb 21-25, 2022, IGIT Sarang
- [6] Vigilance awareness based on the theme “Independent India @75 years: Self Reliance with integrity”, Oct 7, 2021, IGIT Sarang.

- [7] Automation and robotics in construction (ARC-2021), March 15-19, 2021, IGIT Sarang
- [8] Challenges & opportunities in civil engineering infrastructure (COCEI-2021), Feb 9-13, 2021, IGIT Sarang
- [9] Sustainable Pavement: Current Research & Practices (SPCRP-2020), Sept 11-15, 2020, IGIT Sarang
- [10] Research & Practices in Civil Engineering (RPCE-2020), Aug 3-7, 2020, IGIT Sarang
- [11] Seminar on “Road construction scenario in India and Indian oil bitumen grades”, Jan 24, 2020, IGIT Sarang
- [12] Use of alternative and low-cost sustainable construction materials and techniques in civil engineering infrastructure projects (UACMTCE-2020), Jan 6-10, 2020, IGIT Sarang

**Conference paper presented:**

- [1] Sustainable materials and practices for build environment (SMPBE-2023) Manipal University Jaipur, January 19-20, 2023
- [2] Sustainable materials and practices for build environment (SMPBE-2021) [Paper-II] Manipal University Jaipur, Nov 25-26, 2021
- [3] Sustainable materials and practices for build environment (SMPBE-2021) [Paper-I] Manipal University Jaipur, Nov 25-26, 2021
- [4] International conference on Road and Airfield Pavement Technology (ICPT-2021) University of Moratuwa, Sri Lanka, July 14-15, 2021
- [5] International conference on construction materials and environment (ICCME-2021) JUIT, HP, India, June 3-4, 2021
- [6] International conference on recent developments in sustainable infrastructure: research & Practices (ICRDSI-2020), KIIT BBSR, Dec 18-21, 2020
- [7] Transport planning and implementation methodologies for developing countries, IIT Bombay, Dec 10-11, 2020
- [8] International conference on Pavements and computational approaches (ICOPAC-2018), Central Road Research Institute New Delhi, Nov 16-17, 2018

**PhD student Supervisor:**

- [1] Tapas Ranjan Baral (*2022-Ongoing, Registration completed*)
- [2] Debakinandan Naik (*2022-Ongoing, Registration completed*)
- [3] Biswaranjan Pradhan (Project fellow, 2024-Ongoing)

### **NITTT 8 Module Completed:**

Completed NITTT 8 Module successfully.

Module 1: Orientation towards technical education and curriculum aspects

Module 2: Professional Ethics & Sustainability

Module 3: Communication skills, modes & knowledge dissemination

Module 4: Instructional planning and delivery

Module 5: Technology Enabled Learning & Life Long Self Learning

Module 6: Student Assessment and Evaluation

Module 7: Creative Problem Solving, Innovation and Meaningful R & D

Module 8: Institutional Management & Administrative Procedures

### **NPTEL Course (Completed):**

[1] Municipal Solid Waste Management-12 weeks (Jul-Oct 2024)-Silver+Elite- Topper

[2] Body Language: Key to Professional Success-4 weeks (Aug-Sep 2024)- Elite

[3] Sustainable Engineering Concepts and Life Cycle Analysis-8 weeks (Jul-Sep 2024)-  
Gold+Elite - Topper

[4] Technical Communication for Engineers-4 weeks (Jul-Aug 2024)-Gold+Elite - Topper

[5] Pavement Materials (Under Pavement Engineering)-12 weeks (*July-October 2022*)-Elite

[6] Plastic Waste Management-8 weeks (*August-October 2022*)- Silver+Elite

[7] Geotechnical Engineering Laboratory-4 weeks (*July-August 2022*)- Silver+Elite -  
Topper

[8] Electronic Waste Management-Issues and Challenges (*Jan-Feb 2023*)-Gold+Elite -  
Topper

[9] Expansive Soils (*Jan-Feb 2023*)- Silver+Elite

[10] Air Pollution and Control (*Jan-Apr 2023*)- Silver+Elite -Topper

### **Industrial Training completed:**

[1] Two weeks Industrial Training on Etabs from Dt 25/04/2023 to Dt 09/05/2023, The National Small Industries Corporation Ltd, Hyderabad

[2] Two weeks Industrial training on Civil Construction from Dt 12/06/2024 to Dt 27/06/2024, Dhenkanal (R&B) Divison

### **Extra Responsibilities:**

- [1]NBA Coordinator, Department of Civil Engineering
- [2]NAAC Coordinator, Department of Civil Engineering
- [3]Prof-in-charge, Transportation Engineering Laboratory
- [4]Coordinator, M Tech-Transportation Engineering
- [5]Member, Estate Maintenance Committee
- [6]Coordinator, Construction Industry Development Council
- [7]Coordinator, BPUT Faculty Development Programme
- [8]Member, PMGSY Scrutiny Committee
- [9]Member, Central Purchase Committee (CPC)
- [10]PhD Coordinator, Department of Civil Engineering
- [11]Coordinator (Seminar) Department of Civil Engineering
- [12]Secretary, Alumni Association, IGIT Sarang
- [13]Coordinator (STA), Pradhan Mantri Gram Sadak Yojana
- [14]Superintendent, Aryabhata Bhawan Hostel

### **Reviewer of the Journals:**

- [1] Journal of Transportation Engineering: Part B, Pavements, ASCE
- [2] Journal of Material Cycles and Waste Management – Springer
- [3] Transportation Infrastructure Geotechnology – Springer
- [4] Advances in Materials Science and Engineering, Hindawi
- [5] IEEE Sensor Journal
- [6] International Journal of Pavement Research and Technology – Springer
- [7] Editorial Board member, Journal of Computer methods in Civil Engineering, ISSN:2832-9104
- [8] Materials for Civil Construction and Sustainability, Applied Sciences, MDPI
- [9] Sustainability, MDPI
- [10] Third International Conference on Structural Engineering and Construction Management (SECON-2022), Federal Institute of Science and Technology, Kerala, 01-03, June 2022.
- [11] Polymers, MDPI
- [12] Cogent Engineering, Taylor & Francis.
- [13] Materials, MDPI
- [14] Journal of Advanced Research in Applied Sciences and Engineering Technology
- [15] Materials Today: Proceedings, Elsevier, SMPBE-2023
- [16] Multiscale and Multidisciplinary Modeling, Experiments and Design. Springer
- [17] Buildings, MDPI

- [18] Applied Sciences, MDPI
- [19] Scientific Reports, Nature
- [20] Geomechanics and Engineering, An International Journal
- [21] Construction and Building Materials, Elsevier
- [22] Journal of Studies in Science and Engineering
- [23] Journal of Road Engineering
- [24] Infrastructure, MDPI
- [25] Next Research, Elsevier
- [26] Journal of Traffic and Transportation Engineering (English Edition)
- [27] Agriculture, MDPI
- [28] Theoretical and applied fracture mechanics
- [29] Resources, Conservation & Recycling
- [30] Transportation Engineering, Elsevier
- [31] Cleaner Waste Systems, Elsevier
- [32] Geosciences, MDPI

**Workshop/Short term course/Faculty Development Program attended:**

- [1] Sustainable practices and innovative trends in civil engineering, DR lankapalli bullayya college of engineering, AICTE Training and Learning (ATAL) Academy, 10/11/2025 to 15/11/2025.
- [2] Quality Assurance and Accreditation (QAA), Biju Patnaik University of Technology, Odisha in association with Association of Indian Universities (AIU), 19th May 2025 to 23rd May 2025
- [3] Innovative Teaching Methodology & E-Content Design (ITMED), Biju Patnaik University of Technology, Odisha in association with Association of Indian Universities (AIU), 5th May 2025 to 09th May 2025
- [4] Bloom's Taxonomy and Comprehensive Learning Process, NITTTR Kolkata, 9th April to 11th April, 2025
- [5] Air, Water Pollution and Health, NITTTR Kolkata, 31/07/2023-04/08/2023
- [6] Advance Pedagogy, NITTTR Kolkata, 22/05/2023-02/06/2023
- [7] Role of technical institutions in community development, NITTTR Kolkata, 08/05/2023-12/05/2023
- [8] Evaluation and rehabilitation of pavements, NITTTR Chandigarh, 20/03/2023-24/03/2023
- [9] Recycling Materials in Highway Construction, NITTR Chandigarh, 06/03/2023-10/03/2023
- [10] Electronic Waste Management-Issues and Challenges (*Jan-Feb 2023*)
- [11] Expansive Soils (*Jan-Feb 2023*)
- [12] Ecology and Environment, NITTTR Kolkata, January 09-20, 2023
- [13] Pavement Materials (Under Pavement Engineering), IIT Roorkee, July-October, 2022
- [14] Plastic Waste Management, IIT Kharagpur, August-October, 2022.
- [15] Geotechnical Engineering Laboratory, IIT Bombay, July-August, 2022.

- [16] Latest trends in green building, JUIT student chapter IGBC, Himachala Pradesh September 14, 2022.
- [17] Accreditation Process and NBA, National Institute of Technical Teacher's Training and Research (NITTTR) Kolkata June 27-1<sup>st</sup> July, 2022.
- [18] Advances in Highway Technology and Traffic systems, Ramaiha Institute of Technology Feb 7-11, 2022
- [19] Aspects of sustainable construction practices, GCE Nagpur, Jan 3-7, 2022
- [20] Innovation in civil engineering materials & techniques for sustainable development (ICEMTSD-2021), NIT Silchar, Nov 18-22, 2021
- [21] Recent Advances in pavement analysis, design and evaluation, IIT Jodhpur, Sept 20-24, 2021
- [22] Modern trends in civil Engineering & construction industry, College of Engineering, Kidangoor, Sept 02-06, 2021
- [23] Traffic flow modelling (TFM-2021), IIT Bhubaneswar, July 26-30, 2021
- [24] Advances in pavement engineering, IIT Bhubaneswar, May 24-28, 2021
- [25] Automation and robotics in construction (ARC-2021), IGIT Sarang, March 15-19, 2021
- [26] Sustainable materials & resilient buildings - philosophy, design, implementation, and performance, KITS Warangal, Feb 15-20, 2021
- [27] Challenges & opportunities in civil engineering infrastructure (COCEI-2021), IGIT Sarang, Feb 9-13, 2021
- [28] Application of non-conventional pavement materials and NDT in road infrastructure - current practice & future trends, IEST Shibpur, Feb 01-05, 2021
- [29] Sustainable technologies for low-cost drinking water production, Dr APJ AKTU, Lucknow, Jan 18-22, 2021
- [30] Strategies to enhance research visibility, impact & citations, GCE Keonjhar, Dec 14-19, 2020
- [31] Biomass valorization and its life cycle assessment (LCA), IIT Delhi, Dec 01-05, 2020
- [32] Transport phenomena in industrial processes, IGIT Sarang, Nov 9-13, 2020
- [33] Advancements in civil engineering (with emphasis on water resources, environmental engineering and climate change), IIT Indore, Nov 02-07, 2020
- [34] Sustainable Pavement: Current Research & Practices (SPCRP-2020), IGIT Sarang, Sept 11-15, 2020
- [35] Employability Skills for Engineering Graduates, RTU Kota, Sept 07-11, 2020
- [36] Advances in materials processing and characterization, IGIT Sarang, Aug28-Sept 1, 2020
- [37] Emerging trends in geotechnical sustainability (ETGS-2020), GCE Kalahandi, Aug 21, 2020
- [38] Research & Practices in Civil Engineering (RPCE-2020), IGIT Sarang, Aug 3-7, 2020
- [39] Recent advances in geotechnical engineering research & practice, IIT Patna, July 01-10, 2020
- [40] Recent Advances in Civil Engineering, VJTI Mumbai, June 2-7, 2020
- [41] Use of alternative and low-cost sustainable construction materials and techniques in

- civil engineering infrastructure projects (UACMTCE-2020), IGIT Sarang, Jan 6-10, 2020
- [42] Durability bituminous pavements-Theory and Practice, IIT Guwahati, March 9-13, 2019
- [43] Design and Performance of Pavements (DaPoP), IIT Bhubaneswar, June 19-23, 2017
- [44] Roadway pavements construction & quality, IIT Kharagpur, Sept 24-26, 2016
- [45] Fundamentals of Geosynthetic Engineering, IIT Bhubaneswar, July 11-21, 2016
- [46] Soil Structure Interaction, IIT Bhubaneswar, Dec 28-Jan 6, 2016
- [47] Pavement Design, Evaluation and material Characterization (PAVE), IIT Kharagpur, December 21-23, 2015
- [48] Innovative Technologies in Transportation engineering (ITTE 2015), IIT Guwahati February 23-27, 2015

**Subject Taught:**

- [1]Advanced Numerical method
- [2]Advance Railway Engineering
- [3]Transportation Infrastructure Design
- [4]Optimization Methods & its Application in Civil Engineering
- [5]Highway & Traffic Engineering
- [6]Advance Surveying
- [7]Estimating and cost evaluation
- [8]Waste water Engineering
- [9]Solid waste management
- [10]Transportation Engineering (Laboratory)
- [11]Transportation Engineering Design Practice (Practical)
- [12]Survey-I
- [13]Survey laboratory
- [14]Analysis and Design of Pavement
- [15]Environmental Engineering Design Practice

**M Tech student Guided:**

- [1] Swayang Prakash Sethi (2025). "A study of sewage treatment plant project, Bhubaneswar, Odisha".
- [2] Soumya Pattanayak (2024). "A study on rheological properties of crumb rubber modified binder".
- [3] Amisha Sahoo (2024). "A study on rheological properties of polymer modified binder".
- [4] Raja Kishore Samal (2024). "*Flume treatment plant operation*".

- [5] Susmita Pandey (2024). *“Waste management at multi-tenant office building”*.
- [6] Soumya Ranjan Pattnayak (2023). *“Use of flyash reinforced with jute geotextile as a pavement subgrade”*.
- [7] Priyabrata Marndi (2023). Thesis title: *“Use of flyash reinforced with fabric net as a pavement subgrade”*.
- [8] Bajarangi Prasad Nayak (2023). Thesis title: *“Experimental investigation of cement treated aggregate sub-base mixtures for asphalt pavements”*.
- [9] Gokul Chandra Behera (2023). Thesis title: *“Sewerage system in pokhariput area of Bhubaneswar Municipal Corporation”*.
- [10] Aditya Ranjan Patra (2022). Thesis title: *“Use of recycled concrete aggregates in construction”*.
- [11] Ujjapana Das (2022). Thesis title: *“Utilization of reclaimed asphalt pavement (RAP) materials in HMA mixture for flexible pavement construction”*.
- [12] Subhashree Soumya Harichandan (2022). Thesis title: *“Utilization of marble dust and GGBS to improve the subgrade layer of clayey soil”*
- [13] Ranjit Kumar Patra (2022). Thesis title: *“Bridge pier in cohesive soil”*.
- [14] Gurukalyana Biswal (2021). Thesis title: *“Utilization of reclaimed asphalt pavement (RAP) as granular sub-base material in road construction”*.
- [15] Ashima Mohanty (2021). Thesis title: *“Rotary intersection design at Talcher”*.
- [16] Dipromohan Sahu (2021). Thesis title: *“Performance assessment of pervious concrete road on strength and permeability by using silica fume”*.
- [17] Sudhansu Sekhar Pradhan (2021). Thesis title: *“Utilization of RAP material in bituminous concrete layer of flexible pavement”*.
- [18] Raju Purty (2014). Thesis title: *“Storm water management and harvesting in smelter plant, NALCO, Angul, Odisha”*.
- [19] Swarnalata Mohapatra (2014). Thesis title: *“Treatment of coke oven waste water by biological oxidation and dephenolisation method”*.
- [20] Suwendu Kumar mazumdar (2014). Thesis title: *“Decontamination of spent pot liner & recovery of carbon for reuse”*.
- [21] Lalatendu Mohapatra (2013). Thesis title: *“Recovery of hydrogen fluoride in aluminium smelter- a case study”*.
- [22] Amrit Sinha (2012). Thesis title: *“Environmental impact assessment and Environmental management plan for Lingaraj OC expansion project (20 MTY)- a case study”*.