Bibhuti Bhushan Bhardwaj

Assistant Professor

Department of Civil Engineering
Assam Skill Univesristy, Mangaldai, Darrang-784125, India

9+91-84739-83429, 9+91-94017-39031

M<u>b.bhardwaj@asu.ac.in</u> , 🕍 <u>ce21d034@smail.iitm.ac.in</u>

S/o- Naba Kr. Sarma, Flat 2C, H/no. 11, Ashrayam Apartment, Income Tax Colony Road, Bongaon, Beltola, Guwahati, Dist: Kamrup (M), Assam, PIN-781028 INDIA

RESEARCH INTEREST

Concrete Pavement Engineering, Recycled Aggregates, Pavement Management System (PMS)

ACADEMIC DETAILS					
Degree/Exam	Institute/Board	Year	Score		
Ph.D in Pavement Engineering	Indian Institute of Technology (IIT) Madras	2021- Ongoing*	9.75/10		
M.Tech in Transportation Engg.	Indian Institute of Technology (IIT) Guwahati	2014-16	9.82/10		
B.Tech in Civil Engineering	Tezpur Central University	2009-13	9.13/10		
HSSLC/10+2 (Science)	Cotton College, Guwahati (AHSEC)	2007-09	81.00%		
HSLC (Matriculation)	Mangaldai Govt. H. S. School (SEBA)	2007	86.17%		

^{*} Research Colloquium Seminar-II presented on 12th December, 2024

SCHOLASTIC ACHIEVEMENTS

- Secured Rank 5 in the recruitment drive conducted by Assam Public Service Commission (APSC) for the position of Assistant Professor (Technical) in the Government Engineering Colleges of Assam, July 2024.
- Secured All India Rank 56 in NPIU-Assistant Professor (Civil) recruitment drive under TEQIP-III in December, 2017.
- Secured 1st position, M.Tech in Transportation Systems Engineering, batch 2014-2016, Indian Institute of Technology- Guwahati
- Secured Gold Medal, B.Tech in Civil Engineering, batch 2009-2013, Tezpur Central University,
 Assam
- Qualified GATE-2014 with a percentile of 99.2 (All India Rank: 763, Score: 706)
- Qualified GATE-2013 with a percentile of 97.9 (All India Rank: 1437, Score: 588)
- Secured Highest Marks in General Mathematics throughout Assam in HSLC (SEBA)

SCHOLARSHIPS

- Prime Minister's Research Fellowship (PMRF) during Ph.D, IIT Madras (January 2022- January 2024) (Stipend of ₹75,000/- per month and contingency of ₹2 lacs per annum)
- 2. Chief Minister's scheme for financial assistance to meritorious students of Assam for the year 2015-16, awarded by Govt. of Assam (₹1,00,000/- lumpsum)

- 3. HTRA-Ministry of Education scholarship during Ph.D, IIT Madras (August 2021- December 2021) (₹ 31,000/- per month)
- 4. MHRD scholarship during M.Tech, IIT Guwahati (July 2014- June 2016) (₹12,400/- per month)
- 5. Merit scholarship during B.Tech, under the Merit Scholarship Scheme of the Government of India, MHRD (August 2009-July 2011) (₹20,000/- lumpsum)
- 6. Institute scholarship of Tezpur University during B.Tech for being in the top 5 among the students of all branches (August 2011- May 2013) (₹10,000/- per semester)
- 7. Merit Scholarship in the year 2003 (District Rank: 6th) and year 2000 (District Rank: 5th)

PUBLICATIONS (IN REPUTED JOURNALS)

- **1. Bhardwaj, B.B.**, Singh, S., and Swaroop, C.R.S (2025) "Role of Asphalt Binder Film Thickness on the Behaviour of RAP-incorporated Concrete", **Construction and Building Materials**, Volume 473, 141012, DOI: https://doi.org/10.1016/j.conbuildmat.2025.141012
- 2. Bhardwaj, B.B. and Singh, S. (2024) "Evaluation of the failure planes in concrete containing reclaimed asphalt pavement (RAP) aggregates", Cement and Concrete Composites, Volume 145, 105334, DOI: https://doi.org/10.1016/j.cemconcomp.2023.105334
- 3. Bhardwaj, B.B., Singh, S., and Naik, B.P. (2024) "Suitability Assessment of Alternative Sands for Concrete Pavement Applications", Journal of Materials in Civil Engineering, Volume 36, Issue 5, American Society of Civil Engineers, ASCE, DOI: https://doi.org/10.1061/JMCEE7.MTENG-17163
- 4. Kasuri, M., Singh, S., and Bhardwaj, B.B. (2023) "Optimization of Slurry Impregnation Technique for Upcycling Carbonated Recycled Concrete Aggregates for Paving Concrete Applications", Journal of Materials in Civil Engineering, Volume 35, Issue 5, American Society of Civil Engineers, ASCE, DOI: https://doi.org/10.1061/(ASCE)MT.1943-5533.0004712
- **5. Bhardwaj, B.B.**, Sadasivan, S., Singh, S. and Kumari, M., "Tolerance Level of Bricks in Recycled Concrete Aggregates", Special Issue: STEER, **Transportation Research Record**, Accepted on 22nd February, 2025 [in press]

JOURNAL PAPERS UNDER REVIEW/ IN PREPARATION

- **6. Bhardwaj, B.B.** and Singh, S. "Elucidation of Asphalt Characteristics influencing Cement Mortar constituted with Reclaimed Asphalt Pavement (RAP) Aggregates", **Journal of Materials in Civil Engineering (ASCE)** (Under Review, Draft submitted on 12th March 2025)
- **7. Bhardwaj, B. B.** and Singh, S. "A Strategic Framework for Using Reclaimed Asphalt Pavement (RAP) Aggregates in Concrete Pavements" [in preparation]

PUBLICATIONS (IN CONFERENCE PROCEEDINGS)

1. Bhardwaj, B.B., Goswami, S., Dutta, S., Mazumder, S.A., Paul, S., Sharma, H. J., and Akhter, S. (2021). Development of an android application to compute priority score for road sections, Weentech Proceedings in Energy 7 (1), pp 206-216, 3rd International Conference on Innovative

- Development in Engineering Applications (IDEA), Gaya College of Engineering, Gaya, India, 08-10 Feb, 2021 [ISSN: 2059-2353, https://doi.org/10.32438/WPE.202021]
- 2. Bhardwaj, B.B., Choudhary, R., and Julaganti, A. (2018). Effect of production temperature on permanent deformation characteristics of WMA mixes, Proceedings of 2nd International Conference on Civil Engineering for Sustainable Development Opportunities and Challenges (CESDOC), Assam Engineering College, Guwahati, India, 18-19 Dec, 2018
- **3. Bhardwaj**, **B.B.** and Sapkota, G. (2018). *Assessment of hill cut slopes using C-Programming*, Proceedings of 2nd International Conference on Civil Engineering for Sustainable Development Opportunities and Challenges (CESDOC), Assam Engineering College, Guwahati, India, 18-19 Dec, 2018
- **4.** Thoker, A.M., **Bhardwaj, B.B.,** Vivek (2025). Assessment of Walnut Shell Powder as Alternative to Filler in Rigid Pavement. 3rd International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE 2025), IIT Roorkee [Accepted]

CONFERENCE PRESENTATIONS

- **1. Bhardwaj, B. B.** and Singh, S. "Assessment of intermolecular interaction of RAP aggregates with varied cement-mortar phases", 77th Réunion Internationale des Laboratoires et Experts des Matériaux (RILEM) Annual Week, **Vancouver- Canada**, **Sep. 4 8, 2023 (Oral)**
- 2. Bhardwaj, B. B. and Singh, S. "Assessment of Mineralogical Effect of Aggregates on the Bonding Potential with Asphalt using Surface Free Energy Approach", 2nd International Conference on Transportation Infrastructure Projects: Conception to Execution (TIPCE), Transportation Engineering Group Dept. of Civil Engineering, IIT Roorkee, Sep. 14 17, 2022 (Oral)
- **3. Bhardwaj, B. B.** and Singh, S. "Impact Assessment of Different Surface Free Energy Components on Work of Adhesion between varied Aggregate types and VG-40 bitumen", 14th International Conference on Transportation Planning and. Implementation Methodologies for Developing Countries (TPMDC), **IIT Bombay, Dec. 19-21, 2022 (Oral)**
- **4. Bhardwaj, B. B.,** Sumukh, S.C.R., and Singh, S. "The Role of Asphalt Film-Thickness around RAP-Aggregates on the Fresh-State Properties of Rigid Pavements", 2nd International Conference on Net-Zero Emission Technologies for Sustainable Development: Challenges & Opportunities (N0ET-2023), **IIT (ISM) Dhanbad, Dec. 16-17, 2023 (Oral)**
- **5. Bhardwaj, B.B.** and Singh, S. "Evaluation of bond strength at different interfaces in RAP-incorporated concrete systems", Poster presentation at the workshop of Technologies for Low Carbon and Lean Construction (TLC2), **IIT Madras, Jan. 30 Feb. 03, 2023 (Poster)**
- **6. Bhardwaj, B.B.** and Singh, S. "Analyzing key factors influencing interfacial bond strengths in RAP-concrete via SFE and POTS approach", National workshop on Recent Advances in Pavement and Traffic Engineering, **IIT Madras, Dec. 01-02, 2023 (Poster)**
- **7. Bhardwaj**, **B.B.**, Devi, H. C., Boruah, B. B., Borah, R., Hazarika, B. J., Agarwalla, S., and Terang, B. (2018). *Design of signalized traffic intersections on Guwahati bypass road*, 2nd International Conference on Civil Engineering for Sustainable Development- Opportunities and Challenges (CESDOC), **Assam Engineering College**, Guwahati, **Dec. 18-19, 2018 (Oral)**

SPONSORED RESEARCH

Principal Investigator (P.I.) of the project titled, "Methodology for prioritization of secondary road network sections for planning and maintenance works"; was granted ₹19,75,000/- by AICTE under the Collaborative Research Scheme of MHRD, Govt. of India (TEQIP-III), 18th June 2019 to 30th June 2021 (Status: **Successfully completed**)

LABORATORY ESTABLISHMENT

 Established a Road Construction Materials laboratory at Assam Skill University, Guwahati-16 as an Assistant Professor

Major Equipment procured: CTM, Cannon-Manning Viscometer, Rebound Hammer, etc.

Amount: ₹ 32,17,990/- (funding agency: Asian Development Bank)

• Established a pavement maintenance section in the transportation engineering laboratory at Assam Engineering College, Guwahati-13 as an Assistant Professor

Major Equipment procured: IRI meter, MERLIN, Benkelman Beam

Amount: ₹ 9,10,960/- (funding agency: TEQIP-III project of World Bank)

 Assisted in the establishment of Recycled Aggregate Laboratory at Indian Institute of Technology Madras, Chennai as a Research Scholar

Major Equipment procured: Helium Pycnometer, PATTI©, Aggregate Image Measurement System-2, etc.

Amount: ~₹ 1,50,00,000/-

INVOLVED CONSULTANCY PROJECTS (as Research Scholar)

- Investigation of possible causes for frequent potholes in Atal Setu bridge, Panaji, Goa (January 2022-May 2022)
- Job mix design of dry lean concrete for resurfacing of runway and taxi track at INS Rajali, Arrakkonam, Tamil Nadu (December 2021-January 2022)
- Performance evaluation of Dalmia cement in concrete for special applications- Metro rail, Highways, Pile caps (May 2022-August 2022)

MEMBERSHIP

- Life-time member of Indian Road Congress (IRC) [ID: eLM-101962]
- Staff member of Réunion Internationale des Laboratoires et Experts des Matériaux (RILEM)
 [ID: 44201]

	PROFESSIONAL EXPERIENCES						
	Designation	Assistant Profession	D	Obst. Freedom and and			
	Designation	Assistant Professor	Department	Civil Engineering			
	Organization	Assam Skill University	Duration	10 months			
1	Time Period	22 nd of January, 2024 till now (<i>Pay:</i> Level 10, Basic: ₹ 59,400/-+ allowances)					
•	Nature of work	Developed a state-of-the art laboratory named "Road Construction Laboratory" Developed syllabus for a certificate course and initiated MoUs with industries					
		Courses taught:					
		Certificate Course on Road Construction	Technology				
	Designation	Assistant Professor (Contractual	Department	Civil Engineering			
	_	under TEQIP-III project of MHRD)	•				
	Organization	Assam Engineering College	Duration	3 years and 7 months			
	Time Period	2 nd of January, 2018 to 1 st August, 2	021 (Pay: Conso	olidated ₹ 70,000/- pm)			
	Nature of work	e of work Prepared the Self-Assessment Report (SAR) for the year 2018 and 2020 for accreditation					
2		of undergraduate civil engineering program under National Board of Accreditation					
		(NBA), Assam Engineering College					
		Courses taught: • Transportation Engineering-I (CE 514)	Transportation Eng	ineering-II Lab (CE 613L)			
		 Engineering Survey-I (CE 313) 	Engineering Survey	-I Lab (CE 313L)			
		Engineering Survey-II (CE 415)Construction Management (CE 812)	 CAD Lab (CE181318) Engineering Graphics and Design (CE181103) 				
	Designation	Deputy Engineer	Department	Traffic & Transportation			
	Organization	LEA Associates South Asia Pvt.	Duration	1 year and 1 month			
	Organization	LEA Associates South Asia Pvt. Ltd. , Fatasil Ambari	Duration	1 year and 1 month			
3	Organization Time Period						
3		Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments:	uary, 2018 (<i>Pa</i> y	r: ₹ 37,500/- pm)			
3	Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments:	uary, 2018 (<i>Pay</i> Collection and pro				
3	Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database	 Collection and proand Condition data 	v: ₹ 37,500/- pm) cessing of Road Inventory			
3	Time Period Nature of work	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database	 Collection and pro and Condition data Road network crea 	cessing of Road Inventory using HAWKEYE-1000 tion using ArcGIS v10.4			
3	Time Period Nature of work Designation	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor	 Collection and proand Condition data 	cessing of Road Inventory using HAWKEYE-1000			
3	Time Period Nature of work	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat	 Collection and pro and Condition data Road network crea Department Duration 	cessing of Road Inventory using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months			
3	Time Period Nature of work Designation Organization	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem	 Collection and pro and Condition data Road network crea Department Duration 	cessing of Road Inventory using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months			
	Time Period Nature of work Designation Organization Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat	 Collection and pro and Condition data Road network crea Department Duration 	cessing of Road Inventory using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months			
	Time Period Nature of work Designation Organization Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304)	Collection and pro and Condition data Road network crea Department Duration hber, 2016 (Pay: Water Resources	cessing of Road Inventory I using HAWKEYE-1000 Ition using ArcGIS v10.4 Civil Engineering 3 months ₹ 21,600/-+ allowances) Engineering (CE 702)			
	Time Period Nature of work Designation Organization Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught:	Collection and pro and Condition data Road network crea Department Duration hber, 2016 (Pay:	cessing of Road Inventory I using HAWKEYE-1000 Ition using ArcGIS v10.4 Civil Engineering 3 months ₹ 21,600/-+ allowances) Engineering (CE 702)			
	Time Period Nature of work Designation Organization Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304)	Collection and pro and Condition data Road network crea Department Duration hber, 2016 (Pay: Water Resources	cessing of Road Inventory I using HAWKEYE-1000 Ition using ArcGIS v10.4 Civil Engineering 3 months ₹ 21,600/-+ allowances) Engineering (CE 702)			
	Time Period Nature of work Designation Organization Time Period Nature of work	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304) • Geotechnical Engineering (EETEL-1)	Collection and pro and Condition data Road network crea Department Duration hber, 2016 (Pay: Water Resources Hydraulic Structu	cessing of Road Inventory a using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months ₹ 21,600/-+ allowances) Engineering (CE 702) tres (CE 704B)			
4	Time Period Nature of work Designation Organization Time Period Nature of work Designation	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304) • Geotechnical Engineering (EETEL-1)	• Collection and pro and Condition data • Road network crea Department Duration ber, 2016 (Pay: • Water Resources • Hydraulic Structu	cessing of Road Inventory a using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months ₹21,600/-+ allowances) Engineering (CE 702) tres (CE 704B) Central Civil			
	Time Period Nature of work Designation Organization Time Period Nature of work Designation	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304) • Geotechnical Engineering (EETEL-1) Graduate Engineer Trainee Jindal Steel & Power Ltd.,	• Collection and pro and Condition data • Road network crea Department Duration ber, 2016 (Pay: • Water Resources • Hydraulic Structu Department Duration	cessing of Road Inventory a using HAWKEYE-1000 tion using ArcGIS v10.4 Civil Engineering 3 months ₹ 21,600/-+ allowances) Engineering (CE 702) ares (CE 704B) Central Civil 3 months			
4	Time Period Nature of work Designation Organization Time Period Nature of work Designation Organization	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304) • Geotechnical Engineering (EETEL-1) Graduate Engineer Trainee Jindal Steel & Power Ltd., Odisha	• Collection and pro and Condition data • Road network crea Department Duration ber, 2016 (Pay: • Water Resources • Hydraulic Structum Department Duration	cessing of Road Inventory In using HAWKEYE-1000 Ition using ArcGIS v10.4 Civil Engineering 3 months ₹21,600/-+ allowances) Engineering (CE 702) Ires (CE 704B) Central Civil 3 months			
4	Time Period Nature of work Designation Organization Time Period Nature of work Designation Organization Time Period	Ltd., Fatasil Ambari 28 th of November, 2016 to 1 st of Jan Assignments: • Development of Pavement Management System in ORACLE database • Traffic & axle data collection and analysis Assistant Professor ADAMAS University, Barasat 8 th of August, 2016 to 27 th of Novem Department in Charge and Courses taught: • Fundamentals of Civil Engineering (CET 304) • Geotechnical Engineering (EETEL-1) Graduate Engineer Trainee Jindal Steel & Power Ltd., Odisha 2 nd of July, 2013 to 2 nd of October, 2	• Collection and pro and Condition data • Road network crea Department Duration ber, 2016 (Pay: • Water Resources • Hydraulic Structum Department Duration	cessing of Road Inventory In using HAWKEYE-1000 Ition using ArcGIS v10.4 Civil Engineering 3 months ₹21,600/-+ allowances) Engineering (CE 702) Ires (CE 704B) Central Civil 3 months			

OTHER EXPERIENCES

- **Teaching Assistant** for the IIT Madras Centre for Outreach and Digital education (CODE) program Construction Technology and Management Cohort 1 (2023), Cohort 2 (2024), Cohort 3 (2025).
- Examination Superintendent for B.Tech, M.Tech and MCA end semester examinations of Assam Engineering College; Sessions: December 2019, March 2021, and July 2021
- **Deputy Centre Superintendent** of Assam Engineering College centre for the following examinations- CTET 2019 (December), NEET (UG) 2020, and ICRB 2020
- Appointed as **Observer** by Assam Science & Technological University (ASTU) for CEE-2024 examination at Nalbari centre
- Appointed as **Observer** by National Testing Agency (NTA) for NEET (UG)-2019 examination in Sarla Birla Gyanjyoti School, North Guwahati centre
- Coordinator of **Management Information Systems (MIS)** tool for UG program of civil engineering in Assam Engineering College (August 2019 to July 2021)
- Presiding Officer, Panchayat Election Assam-2018, Polling Booth: Dekachang High School (B), Sontali-Tupamari, Kamrup (R)

COURSES / WORKSHOPS (as Resource Person)

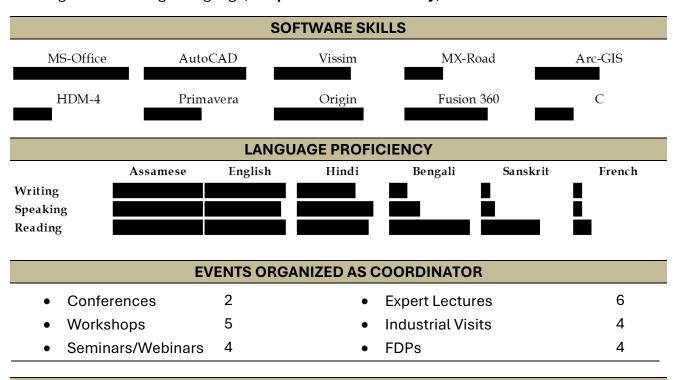
- 1. Resource Person for a course on "3D-Printing & Design", organized by Dept. of Civil Engineering, Assam Engineering College, 14th Dec'23-16th March'2024
- 2. Resource Person for a course on "Pavement Analysis & Design", organized by Dept. of Civil Engineering, Assam Engineering College, 25th April-16th July, 2023 (online)
- **3.** Resource Person for Ten-day online workshop on "**MS-Office**" funded by TEQIP-III, organized by Department of Civil Engineering, Assam Engineering College, 27th May-5th June, 2020
- 4. Resource Person at Rural Connectivity Training and Research Centre (RCTRC), Guwahati, funded by Assam Road Research & Training Institute (ARR&TI) and delivered lectures on "Planning, Execution and Maintenance of PMGSY roads at World bank and ADB states", 25th February, 2019
- **5.** Resource Person for the thirteen-day course on "**3D Printing & Design**" funded by TEQIP-III, organized by Assam Engineering College, 27th Jan-8th Feb, 2021
- 6. Resource person at Assam Road Research & Training Institute, Guwahati, funded by Road Rehabilitation Project (RRP)|The World Bank and delivered a lecture on "Construction and Maintenance of Flexible and Rigid Pavements- New materials and technology for rigid pavements in rural roads", 26th August, 2018

COURSES / WORKSHOPS (as Participant)

1. Completed a one-week induction program for officers/employees of Assam Skill University organized by Shri Vishwakarma Skill University, Haryana, May 20-24, 2024

- Completed a one-week course on "Direct Trainer Skills (DTS)" organized by Department of Personnel & training at Administrative Staff College, Khanapara, Assam, February 12-16, 2024
- Completed an 8-week AICTE-FDP module on "Orientation Towards Technical Education and Curriculum Aspects" of National Initiative of Technical Teacher Training (NITTT) on Swayam, February 2021
- **4.** Completed an 8 week AICTE-FDP module on "**Professional Ethics and Sustainability**" of National Initiative of Technical Teacher Training (NITTT) on *Swayam*, February 2021
- 5. Completed a 2-Week course on "Digital Transformation in Teaching Learning Process (DTITLP)" organized by NPIU, and conducted by IIT Bombay on Swayam, January 17-February 7, 2020
- **6.** Participated in the "**Faculty Induction Workshop**" organized by Continuing Education Cell & Centre for Educational Technology, **IIT Kharagpur**, February 6-10, 2018
- 7. Completed a course on "3-D Printing & Design" by The National Association of Software and Service Companies (NASSCOM) in collaboration with IIT Hyderabad under the "Train the trainer" program of NPIU, November 28- December 02, 2020
- 8. Participated in a TEQIP-III training program on "Advanced Pedagogy & Digital Tool for TEQIP-III faculty members" organized by IIT Kharagpur, July 01-05, 2019
- **9.** Participated in a pedagogy workshop on "Effective Teaching", organized by Center of Education Technology, **IIT Guwahati**, June 03-07, 2019
- **10.** Participated in an FDP on "Disaster Management Mitigation and Responses", organized by Civil Engineering Department, Assam Engineering College, August 10-14, 2020
- **11.** Participated in an online workshop on "STAAD-Pro" organized by Department of Civil Engineering, Nalla Malla Reddy Engineering College, Hyderabad, July 13-18, 2020
- **12.** Participated in One-week online short-term course in "Emerging Trends in Highway Engineering Infrastructure Development" organized by Dept. of Civil Engineering, Dr. B.R Ambedkar National Institute of Technology Jalandhar, June 23-27, 2020
- **13.** Participated in the International Webinar on "Recent Trends in Concrete Pavement" organized by CSIR-Central Road Research Institute, New-Delhi in association with Indian Concrete Institute (ICI) Ghaziabad, June 19-20, 2020
- **14.** Participated in a 3-Day training course on "**Introduction to Road Safety Engineering**" organized by **Intercontinental Consultants & Technocrats Pvt. Ltd.**, New Delhi in collaboration with Multi-Skilling & Sustainability Centre of Assam Engineering College, February 12-14, 2020
- **15.** Participated in a workshop on "**Data Analysis using SPSS-A foundation course for researchers**" jointly organized by Department of Bioengineering & Technology, **Gauhati University** and Rehoboth Academic Services at Gauhati University, January 31, 2020
- **16.** Participated in an FDP on "**3-D Printing**", organized by Mechanical Engineering Department, **Assam Engineering College**, November 25-29, 2019
- **17.** Participated in an FDP on **"Industrial & Fire Safety Engineering"**, organized by Civil Engineering Department, Assam Engineering College, November 4-8, 2019
- **18.** Participated in a 3-Day Workshop on "**Application of GIS in Civil Engineering**", organized by Civil Engineering Department, Assam Engineering College, September 9-11, 2019

- **19.** Participated in an FDP on "Recent Advances in Concrete Technology", organized by Civil Engineering Department, Assam Engineering College, July 15-19, 2019
- **20.** Participated in a One-day sensitization workshop on "Collaborative Research Scheme", organized by Dibrugarh University Institute of Engineering & Technology under TEQIP-III, April 12, 2019
- 21. Participated in a course on **Urban Traffic Modelling and Control**, organized by the Department of Civil Engineering, **IIT Guwahati** in collaboration with GIAN and TEQIP, September 04-08, 2018
- **22.** Participated in a course on **Optimization Methods for Engineering Planning and Design** by GIAN program, **IIT Guwahati**, May 04-08, 2016
- 23. Participated in a three-day workshop on Pavement Design, Evaluation and Material Characterization (PAVE) organized by Transportation Engineering Section, Civil Engineering Department, IIT Kharagpur, December 21-23, 2015
- **24.** Participated in an executive course on **Improving Road Safety & Accessibility** organized as a part of the **3**rd **Conference of the Transportation Research Group** (CTRG) of India, Kolkata, December 17, 2015
- **25.** Completed a certificate course in **Advanced AutoCAD** in **Tool Room & Training Centre** (MSME) at Bamunimaidam, Guwahati, December, 2010
- **26.** Completed a six-month certificate course in **Basic French**, certified by the Department of English and Foreign Language, **Tezpur Central University**, 2011



I hereby declare that the details and information given in this curriculum vitae are complete and true to the best of my knowledge.

DECLARATION

-Bibhuti Bhushan Bhardwaj