

CURRICULUM VITAE

1. **Name** : **Professor Dr. Swapan Kumar Palit**
2. **Father's Name** : Late Sarada Charan Palit
3. **Date of Birth** : 08th July, 1961
4. **Nationality** : Bangladeshi
5. **Present Address** : Professor, Department of Civil Engineering,
CUET, Post Code-4349
6. **Contact Telephone No.** : 880-31-714948(on request), Cell No. 8801917718139
7. **Email Address** : skp2001us@yahoo.com skpbd@cuet.ac.bd
8. **Educational Qualifications**

Year	Board/University	Certificate/Degree	Division/Class
1979	Comilla, Bangladesh	Secondary School Certificate	First
1981	Comilla, Bangladesh	Higher secondary Certificate	First
1985	Chittagong University of Engineering & Technology (CUET), Bangladesh	B.Sc. Engineering (Civil)	First Class First in order of merit
1993	Indian Institute of Technology (IIT), Kharagpur, India	Master of Technology (Transportation)	8.17 out of 10
2001	Indian Institute of Technology (IIT), Kharagpur, India	Doctor of Philosophy (Civil)	Completed

9. Teaching Experience

Post	Institution	From	To
Lecturer	Chittagong University of Engineering & Technology (CUET), Bangladesh	15/06/1987	09/07/1990
Assistant Professor	Chittagong University of Engineering & Technology (CUET), Bangladesh	10/07/1990	17/10/2001
Associate Professor	Chittagong University of Engineering & Technology (CUET), Bangladesh	18/10/2001	01/06/2004
Professor	Chittagong University of Engineering & Technology (CUET), Bangladesh	02/06/2004	till date

9.1 Teaching experience includes-

- (i) Teaching the various theoretical, sessional/practical courses in English medium, and thesis supervision related to Highway Pavement/Geotechnical/Civil Engineering to the undergraduate & postgraduate students.
- (ii) Working as Chairman/member of Examination Committee, examiner, moderator, scrutinizer & tabulator.
- (iii) Conducting research works in the fields of Transportation/Geotechnical Engineering and Civil Engineering.
- (iv) Working as testing officer and consultant of various Civil Engineering materials, Road Pavement, buildings, bridges, etc. and
- (v) Performing any other duties assigned by the Vice-Chancellor/Head of the Dept. from time to time.

10. Other Experiences

10.1. Special duty in Addition to Teaching

Sl. No.	Description of Additional Duty	Duration
1	Chairman, Maintenance Committee, BIT., Chittagong	1987-1989
2	Chairman, Tender Committee, BIT., Chittagong	1994-1997
3	Chairman, Internal Audit Committee, BIT., Chittagong	Aug'02 to June'05
4	Provost, Dr. Qudrat-E- Khuda Hall, BIT., Chittagong	Aug'02 to April'05
5	Chairman, BRTC, CUET	April'05 to June'07
6	Head, Department of Civil Engineering, CUET	April'05 to June'07
7	Dean, Faculty of Architecture & Planning, CUET	June'2012 to October'2013
8	Dean, Faculty of Civil Engineering, CUET	Oct'2013 to October'2015
9	Member, Syndicate, CUET	May 2012 to Oct. 2014.
10	Chairman, BRTC, CUET	April' 2015 to April'2017
11	Chairman, CESER, CUET	June' 2017 to till date

10.2. Training

Sl. No.	Subject	Location	Duration
1	Industrial Training.	HBRI, Dhaka	3 rd Mar-3 rd May, 1987
2	Construction and Maintenance of Highway Bridges.	IEB, Dhaka	26 th Oct-4 th Nov, 1996
3	Design & Construction of Road Pavement.	IEB, Dhaka	22 nd Mar-3 rd April, 1997
4	Random Vibration & Application to Earthquake Engineering.	IIT, Kharagpur India	Dec, 1999 (Two weeks)
5	Training Skill Development.	ITN-BUET, Dhaka	21 st -24 th Oct, 2001
6	Computer Aided Analysis and Design.	IEB, Dhaka	29 th -31 st May, 2002
7	Road Safety Management in Bangladesh	ARC, BUET, Dhaka	16-17 th April, 2003
8	Understanding Road Accident Problems and Their Remedies	ARC, BUET, Dhaka	21 st -23 rd Oct, 2003
9	Urban Sanitation and its Challenges	ITN-BUET, Dhaka	31 st Oct-02 nd Nov, 2007
10	Arsenic Contamination of Ground water and Mitigation	ITN-BUET, Dhaka	17-22 nd Nov, 2007
11	Facing the Challenges of Climate Change: Issues, Impacts and Adaptation Strategies for Bangladesh with focus on Water and Sanitation System	ITN-BUET, Dhaka	04 - 06 th May, 2010

11 Membership

1. Institution of Engineers, Bangladesh.
2. Indian Road Congress, India.
3. Institute of Engineers, India.
4. Bangladesh Earthquake Society, Bangladesh.

12. Research done

(a) Doctor of Philosophy

Thesis title: An Investigation on Bituminous Mixtures Modified with Reclaimed Crumb Rubber.

(b) Master of Technology

Thesis title: Toughness and Tenacity analysis of Polymer Modified Bitumen.

(c) B. Sc. Engineering.

Thesis title: Effect of continuous Jute Fibers on the first Crack Strength of Cement Mortar in Direct Tension.

(d) M. Sc. Thesis Supervisor on: Evaluation of Modified Soil.

(e) Participation in University/Department Thesis Committee

- As Chairman for one postgraduate student at Department of Civil Engineering, Chittagong University of Engineering and Technology, Bangladesh.
- As external member for three postgraduate students at Department of Civil Engineering, Dhaka University of Engineering and Technology, Bangladesh.
- As external member for two Ph. D. students at Institute of Forestry & Environmental Sciences, University of Chittagong, Bangladesh.

13. Field of Research Interest

Quality control of pavement materials, Development and evaluation of pavement materials, Design and Evaluation of pavement, Geometric Design of roads, Traffic engineering and some issues on Environmental engineering.

14. Teaching Philosophy and courses taught

Method of Instruction in the class of this University is English. Visible instruction is generally made through the blackboard, whiteboard, Overhead projector or even through the power point multimedia projector. Syllabus of the course is generally divided into the number of lectures, which is assigned for that course. The courses taught are given below:

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|----------------------------|-------------------------------------|
| ➤ Pavement Design | Basic Airport Engineering |
| ➤ Soil Mechanics | Pavement Materials and Construction |
| ➤ Strength of Materials | Geometric Design of Streets |
| ➤ Water Supply Engineering | Traffic Engineering |
| ➤ Engineering Materials | Basic Railway Engineering |

15. Publications in Journal & Proceedings

15.1 Proceedings of International Conference, Seminar, Workshop

Sl. No	Title of the Paper	Name of the Proceedings, pp	Year and Country	Name of Author(s)
1	Toughness and Tenacity Analysis of Modified Bitumen.	ISTAM Congress IIT Kharagpur, 87-90	9-12 Dec' 1993, India.	Palit, S.K., Panda, M. and Majumdar, M.
2	High Performance Crumb Rubber Asphalt Mixtures.	2 nd Int. Symp. On Maint. And Rehabilitation of Pav. And Technological Control, 709-723	Jul'29-Aug1, 2001 Alabama USA.	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
3	High Performance Modified Bitumen for Pavements.	Int. Seminar on Sustainable Dev. In Road Transport, (1-108)-(1-123)	8-10 Nov'2001, IRC, India.	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
4	Permanent Deformation of Crumb Rubber Modified Bituminous Mixes.	Int. Conference of Advances in Civil Engg. (ACE 2002), 830-837	Jan 2002, IIT, Kharagpur, India.	Palit, S.K., Reddy K. Sudhakar, and Pandey, B.B.
5	Use of Crumb Rubber for Improving Performance of Bituminous Materials.	Indian Rubber Conf., Rubcon 2002, 285-290	Jan 12-13.2002 IIT, Kharagpur, India.	Palit, S.K., Reddy, M.A., Reddy, K. Sudhakar, and Pandey, B.B.
6	Performance Evaluation of Crumb Rubber Modified Bituminous Mixes	Road Transportation in India, Emerging Trends and Techniques, 3.85-3.95	Sept 12-13, 2002, IIT, Kharagpur, India.	Palit, S.K., Reddy, M. A., Reddy, K. Sudhakar, and Pandey, B.B.
7	Rainwater is an effective alternative source of drinking Water	Int. Conference of Advances in Civil Engg. (ACE 2012)	December , 2012 Bangladesh	F. Parvin, F. Rafique and S.K. Palit.
8	Arsenic Contamination of tube well water in Chittagong city: A case study	Int. Conference of Advances in Civil Engg. (ACE 2012)	December , 2012 Bangladesh	M.A. Malekh, M.N, Uddin, and S. K. Palit.
9	Water Pollution Status of Karnaphuli River Nearby Chittagong City Corporation Area.	Int. Conference of Advances in Civil Engg. (ACE 2014)	December , 2014 Bangladesh	Haider, A Kadir, R.A. Mullick, and S.K. Palit.
10	Noise Pollution in Chittagong	Int. Conference of Advances in Civil Engg. (ACE 2014)	December , 2014 Bangladesh	M.A. Kader, M.A.I Khan and, S.K. Palit.
11	Modification of Pavement Binder using waste polyethylene	Int. Conference of Advances in Civil Engg. (ACE 2014)	December , 2014 Bangladesh	Md. Jibon, Md. M. Rahman and S.K. Palit.
12	Assessment of industrial effluent pollution in Karnaphuli River	Int. Conference of Advances in Civil Engg. (ACE 2016)	December, 2016 Bangladesh,	T. Islam, J. Amin, R.B. Ahmed, and S.K. Palit.
13	Road surface drainage at Hat-Bazaar of rural area: a case study	Int. Conference of Advances in Civil Engg. (ACE 2016)	December , 2016 Bangladesh	J. Amin, R.B. Ahmed and S.K. Palit.
14	Overflow of Mirza khal of Chittagong City and its effects on road	Int. Conference of Advances in Civil Engg. (ACE 2016)	December , 2016 Bangladesh	A. Hossain, and S.K. Palit.
15	Impacts of Overflowing of Chaktai Khal	National Conference on Water Resources Engg. (NCWRE 2018)	March, 2018 Bangladesh.	D. Majumder, K. F. B. Mahmud & S. K. Palit

15.2 Journal Publications

Sl. No.	Title of the Paper	Name of the Journal with Vol. No. pp	Year & Country	Name of Author(s)
1	Toughness and Tenacity of Polymer Modified Bitumen.	Highway Research Bulletin, Indian Roads Congress, Vol. 55, 123-137.	1996, India	Palit, S.K., Panda, M. and Mujumdar, M.
2	Development of a Test Set-up for the Evaluation of Pavement Materials under Repeated Load Conditions.	Journal of Indian Roads Congress (IRC), Vol. 64, 153-165	2001, India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
3	Evaluation of Bituminous Mixtures using Modified Marshall Compaction Technique.	Highway Research Bulletin, Indian Roads Congress, Vol. 65, 51-62	2001 India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
4	Reflection of Cracking Characteristics of Bituminous Mixes.	Highway Research Bulletin, Indian Roads Congress, Vol. 65, 27-36	2001 India	Palit, S.K., Murali M., Reddy, K. Sudhakar, and Pandey, B.B.
5	Experimental Set up For Testing Mechanical Properties of Soft Material	Journal of Civil Engineering, IEB Vol. CE 29, No. 1.	2001, BD	Palit, S.K.,& Mujumdar, M
6	Development of crumb Rubber Modified Bituminous Binder.	Highway Research Bulletin, Indian Roads Congress, Vol. 69, 97-114	2003 India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
7	Reflection Cracking of Bituminous Overlays-An Laboratory Investigation.	Indian Highways, Indian Roads Congress, 05-14	2003, India	Palit, S.K., R. Srinivasa, Reddy, K. Sudhakar, and Pandey, B.B.
8	Fatigue Behavior of Crumb Rubber Modified Bituminous Concrete.	Highway Research Bulletin, Indian Roads Congress, Vol. 69, 115-136	2003 India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
9	Evaluation of Rutting Potential of Modified Bituminous Mixes.	Indian Highways, Indian Roads Congress, 13-27	2004, India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
10	Laboratory Evaluation of Crumb Rubber Modified Asphalt Mixes.	Journal of Materials in Civil Engineering, ASCE, Vol.16, No.1, 45-53	2004, USA	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
11	Evaluation of Rutting Potential of Modified Bituminous Mixes.	Civil Engineering & Construction, Roads (special). 27-36. Republished with permission.	2004, India	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
12	Modified Bituminous Pavement Surface in Fatigue performance	International Journal of Fatigue, Elsevier Science (Submitted)	2008 UK	Palit, S.K., Reddy, K. Sudhakar, and Pandey, B.B.
13	Air Pollution in Urban Area – A Case Study	Journal of Civil and Earthquake Engineering , Volume -2, JCEE	2009, BD	Palit, S.K., Chowdhury & S.Islam
14	Investigation of ground water table in the South-East(Chittagong) part of Bangladesh.	Chittagong: American Journal of Civil Engineering, 1:06-07.	2017, USA.	Mirdad, M. A.& Palit, S.K.