

BIO-DATA



1. NAME : ANIL KUMAR SACHAN
2. FATHERS NAME : Dr Kailash Chandra Sachan
3. PRESENT POSTAL ADDRESS :
ANIL KUMAR SACHAN
PROFESSOR
CIVIL ENGINEERING DEPARTMENT
MNNIT ALLAHABAD - 211004 U. P.
4. Contact Nos : 09415030148
5. NATIONALITY : Indian ; Email ID: sachan@mnnit.ac.in
sachanak@gmail.com
6. DATE OF BIRTH : 20th JANUARY ,1960
7. **EDUCATIONAL QUALIFICATION** :

S. No.	Examination Passed	Year	Board / University	% of Marks
1.	H.S.S.C.	1976	Board of Secondary Education, Bhopal , MP	72.4
2.	B.E. (Civil Engg.)	1981	Jabalpur University	84.6 II Position
3.	M.Tech. (Structural Engg.)	1984	I.T. – B.H.U. , Varanasi	CGPA 9.13
4.	Ph.D.	1990	Kanpur University	

8. **FIELD OF SPECIALIZATION** : Civil Engineering (Structural Engg)

9. **EXPERIENCE** :

S. No.	Post Held	From	To	Employer's Name	Pay Scale	Responsibilities
1.	PROFESSOR	1-02-08	Till date	Director , MNNIT Allahabad	37400 – 67000 (67260)	Teaching , Research , Administration
2.	DIRECTOR	7-11- 04	17-1-05	Chairman BOG	Same as professor	Teaching , Research , Administration
3.	PROFESSOR	24-7-99	31-1-08	Director , B.I.E.T., Jhansi	16400 – 22400	Teaching , Research , Administration
4.	READER	1-5-91	23-7-99	Director , B.I.E.T., Jhansi	3700 – 5700	Teaching , Research , Administration
5.	LECTURER	7-12-84	30-4-91	Director , H.B.T.I. ,Kanpur	2200 – 4000	Teaching , Research , Administration

10. **OTHER DETAILS**

(i) No of Patents : nil

(ii) No of Awards / Recognition :

- (a) Nominated as Chairman ISTE , UP & Uttranchal Section
- (b) Member / Convener BOS of Civil Engineering , UPTU
- (c) Convener RDC , Civil Engineering , UPTU
- (d) Member , BWC , UPTU
- (e) Member , BOG , MMEC Gorakhpur

(iii) No of Ph D guided (Completed / In Progress) : 1 / 6

(iv) No of Publications : International Journals / Conferences – 11
National Journals / Conferences - 23

(v) No of Books Published / under Publication: 1(Edited one Book)

(vi) No of Projects Completed / In progress : 6

(vii) Details of membership in societies :

1. Life member of I.S.T.E.
2. Life fellow of I.E.
3. Life fellow of I.C.I.
4. Life member of I.S.E.T.
5. Life member of I.S.F.R.C.
6. Life member of Indian Road Congress
7. Life member of Indian Bridge Engineers Association
8. Life member of Structural Engineers Forum of India
9. Life member of Indian Geological Congress

(viii) Other Details :

- (i) Organized a National Seminar on Environmental Aspects of Engineering Practices at B I E T Jhansi, 17 – 18 April 1998.
- (ii) Organized a National Seminar on Advances in Cement and Concrete at B I E T Jhansi, 10 – 11 March 2000.
- (iii) Organized an AICTE – ISTE sponsored Short Term Course on “CAD Application in Civil Engineering”.
- (iv) Organized thirteen courses for training of field engineers , sponsored by Ministry of Urban Development, Govt of India.
- (v) Organized Three training programs for Engineers of RES , UP
- (ix) Consultancy Services : Designed several multi-storeyed residential and commercial complexes for private and Govt. organisations , surface , underground and overhead water tanks from 50 KL to 2500 KL capacity and other civil engineering structures such as retaining walls, Pump houses, industrial sheds , **bridges** etc. total consultancy charges till date are approximately **Rs 2 Crore**

11. Any Other Relevant Information

The positions which I have held during the course of my career, contributing to my knowledge & experience, required to function efficiently as a Director are as follows :-

- Director , BIET Jhansi (7/11/2004 to 17/1/2005)
- Head Civil Engineering Deptt , BIET Jhansi (1/5/1991 to 20/01/2005)
- Dean Academics , BIET Jhansi

- Dean Administration , BIET Jhansi
- Section Chairman, ISTE (UP & Uttranchal Section)
- Chairman Maintenance , BIET Jhansi
- Chief Proctor , BIET Jhansi
- Chief Warden , BIET Jhansi
- Coordinator – TEQIP (BIET Jhansi)
- OC Purchase , OC Library , Warden (BIET Jhansi)
- Chairman , Institute Committee for Construction & Maintenance , MNNIT Allahabad
- Convener , DUGC , MNNIT Allahabad
- Convener , DPGC , MNNIT Allahabad
- Head , CED , MNNIT Allahabad , 27-7-2013 to 26-7-2015
- Chairman , CWM & ESWM , MNNIT Allahabad

DETAILS OF PROJECTS COMPLETED

Sl. No.	Name of the funding agency (AICTE/Others)	Name of the Scheme	Project Title	Year of Funding	Duration	Amount Sanctioned	Status Completed/* Ongoing
1.	MHRD	MODROB	Mod. of Conc. Lab	93-94	2 Yrs	10.00 Lacs	Completed
2.	MHRD	MODROB	Mod of Survey lab	93-94	2 Yrs	10.00 Lacs	Completed
3.	AICTE	MODROB	Mod. of Conc Lab	98-99	2 yrs	5.00 Lacs	Completed
4.	AICTE	R & D	Engg of Comp. Clay Liners	98-99	3 yrs	6.00 Lacs	Completed
5.	AICTE	TAPTEC	Comp. Graphics Lab	00-01	2 yrs	11.60 Lacs	Completed
6.	AICTE	TAPTEC	Computerisation of Central Library	01-02	2 yrs	6.00 Lacs	Completed

PUBLICATION IN INTERNATIONAL JOURNALS / CONFERENCES

1. Sachan, A.K., Rao, C.V.S.K., " A Cone Penetration Test for Workability of Fibre Reinforced Concrete, " Materials and Structures, RILEM, Vol. 21, December 1988, pp 448 - 452.
2. Sachan, A.K., Rao, C.V.S.K., " Fracture Toughness of Two - Phase Marble Epoxy Composites " , International Journal of Cement Composites and Light Weight Concrete , Vol. 10, August 1988, pp 167 - 169.
3. Sachan, A.K., Rao, C.V.S.K., " Behaviour of Fibre Reinforced Concrete Deep Beams, " Cement & Concrete Composites, Vol. 12, 1990, pp 211 - 218.
4. Sahu, A K , Kumar, Sunil , Sachan, A K , "Crushed Stone Dust as Fine Aggregate in Concrete", Indian Concrete Journal, January , 2003, pp 845-848.

5. Sachan, A.K., Sharma, D.K., Rao, C.V.S.K., " Fibre Reinforced Machine Foundations “, Proceedings of International Symposium on Fibre Reinforced Concrete - 1987, December 1987, Madras, India, pp 3.33 - 3.40.
6. Sachan, A.K., Rao, C.V.S.K. " A Simple Workability Test for Fibre Reinforced Concrete“, Proceedings of the International Symposium on Innovative World of Concrete, ICI - IWC 1993, Bangalore, India, pp 3.31 - 3.36.
7. Sahu, A.K., Srivastava, R.K., Sachan, A.K., " Urban Waste Disposal: Environmental & Geotechnical Aspects " , presented in International Conference on Environmental Planning and Management , 24 - 26 February 1996 , V . R. C. E. Nagpur, India.
8. Sahu , A K , Sachan , A K ,” Effect of Aggressive Chemical Environment on Setting Characteristics of Plain and Blended Cements“ , International Journal of Structural and Civil Engineering Research , Vol 2, No 2 , May 2013 , pp 77- 83 .
9. Shankar , R. , Sachan , A. K. , “Concrete Mix Design Using Neural Network”, International Journal of Civil , Architectural , Structural and Construction Engineering , Vol 8, No 8 , 2014 , pp 874- 877
10. Rawat , A. , Sachan A. K. , Shankar , R. “ Management of Construction and Demolition Waste” Proceedings of ICSCI – 2014 , IIT Hyderabad , October , 17-18, 2014 , pp 1069-1076.
- 11, Rawal , N. , Sachan , A. K. , “ An Approach for Selection of Wastewater Treatment Units using Analytical Hierarchy Process”, Seventh International Conference on Environmental Science & Technology – 2014 , American Academy of Sciences , June 9 – 13 , 2014 , Houston , Texas , USA.

PUBLICATION IN NATIONAL JOURNALS & CONFERENCES

1. Sachan, A.K., " Polymers in Concrete “, Civil Engineering & Construction Review, Vol. 2, December 1989, pp 34 - 37.
2. Sachan, A.K., Rao, C.V.S.K., " A New Workability Test for Fibre Reinforced Concrete “, Presented in National Seminar on Advances in Structural Sciences, G.I.T.A.M., Vishakhapatnam, India, 9 - 10 March 1990.
3. Sachan, A.K., Rao, C.V.S.K., " Impact Resistance of Fibre Reinforced Concrete “, Presented in National Seminar on Advances in Structural Sciences, G.I.T.A.M., Vishakhapatnam, India, 9 - 10 March, 1990.
4. Sachan, A.K., " Mechanical Properties and Structural Applications of Modern Cement Composites, “ Civil Engineering & Construction Review, Vol. 3, September 1990, pp 37 - 41.
5. Sachan, A.K., " Fibre Reinforced Concrete Machine Bases “, Proceedings of the National Conference on Civil Engineering Materials and Structures, January 19 – 21, 1995, Osmania University, India, pp 25 - 28.
6. Sahu, A.K., Gupta, M.K., Sachan, A.K., " Ecological Balance : Its Restoration in Highway Projects “, Flora & Fauna, Vol. 1, No 2, 1995, pp 173 - 175.

7. Sahu, A.K., Sachan, A.K., Srivastava, R.K., " Geotechnical Investigation to access Slope Erosion Problem at Kalinjar Fort Site (Banda, U.P.) ", Proceedings of Indian Geotechnical Conference 1997, 17 - 20 December 1997, Baroda, India, pp 567-570.
8. Sahu, A.K., Sachan, A.K., "Economics of Fibre Concrete Machine Bases ", Presented In 77 th Annual Technical Volume, Institution of Engineers (India) U. P. State Center, Lucknow, 8 - 9 November 1997, pp 48 - 49.
9. Shukla, M., Sahu, A.K., Sachan, A.K., " Performance of Stone Dust as Fine Aggregate Replacing Sand in Concrete and Mortar ", Proceedings of National Seminar On Advances in Special Concretes, Banglore, 23 & 24 January 1998, pp 241 - 248.
10. Sahu, A.K., Verma, A., Sachan, A.K., " Utilization of Flyash and Stonedust for Soil Stabilization Using Rothfutch's Method ", Proceedings of the National Seminar on Environmental Aspects of Engineering Practices, 17-18 April 1998, Jhansi, pp 52-58.
11. Shukla, M., Sachan, A.K., " Use of Waste Material in Construction: an Overview ", Proceedings of the National Seminar on Environmental Aspects of Engineering Practices, 17-18 April 1998, Jhansi, pp 179 - 185.
12. Verma, Alok, Sachan, A.K., " Characterisation of Flyash ", Workshop on Utilization of flyash, University of Roorkee, April 25, 1998.
13. Shukla, M., Sachan, A.K., " Stone Dust Environmentally Hazardous Waste : Its Utilization in Building Construction ", Proceedings of National Seminar on Materials and Machines for Construction , Lucknow , 19 & 20 Februray 2000 , pp v-77 – v-81.
14. Srivastava , A. K. , Sahu, A.K., Shukla, M., Sachan, A.K., " Impact Resistance of Fibre Reinforced Concrete ", Proceedings of National Seminar on Advances in Cement and Concretes, Jhansi , 10 & 11 March 2000, pp 78 - 87.
15. Shukla, M., Sahu, A.K., Srivastava , A. K. , Sachan, A.K., " Studies on Strength and Behaviour of Concrete by Using Stone Dust as Fine Aggregate ", Proceedings of National Seminar on Advances in Cement and Concretes, Jhansi , 10 & 11 March 2000, pp 38 – 44 .
16. Gupta, A K , Sachan, A K , Sahu , A K , Kumar, Sunil,"Stablisation of Black Cotton Soil Using Stone Dust – A waste product of Bundelkhand Region", IGC 2002,pp 308-310.
17. Srivastava A.K., Singh R.S. and Sachan A.K., "Level of air contaminants in Jhansi city" Indian Journal of Environmental Protection, March 2002 ,pp327-328.
18. Rao, C.V.S.K., Sachan, A.K., "Thermal Bending of Rectangular Orthotropic Plates ", Indian Journal of Technology, Vol. . 24, June 1986, pp 291 - 295.
19. Sahu , A K , Kumar , Sunil , Sachan , A K , " An Experimental Investigation on the Effect of Recycled Aggregate On Concrete Properties", Proceedings of the National Seminar on Advances in Civil Engineering : Perspective of Developing Countries , Feb 15-16, 2003 , ISBN 81-7764-418-1, pp 246-250
20. Sahu , A K , Kumar , Sunil , Sachan A K , "Utilization of crushed stone dust in concrete ", National Conference on Advances in Construction Materials , Methodology & Management , Jan 21-22 ,2009 , CBIT Hyderabad , pp 273-280

21. Shrivastava , R , Sachan, A K , “ An Experimental Investigation on Concrete Made by Using Crushed Stone Dust as Partial Replacement of Natural River Sand “, All India Seminar on Advances in Materials and Techniques in Construction , 1-2 , October , 2010 , IIT Kanpur , pp 19-22.
22. Sachan , A K , “Construction and Demolition Waste – Its Use for Building Materials “, Presented in National Conference on Strategic Perspectives and Advances in Civil Engineering , 14 - 15 Novemeber , 2014 , Civil Engineering Department , Eshan College of Engineering , Mathura , India.
23. Jain, H, Sachan, A K , Rawat , Anupam , “ Lightweight Concrete for Slabs”, Proceedings of National Conference on Strategic Perspectives and Advances in Civil Engineering , 14 -15 Novemeber , 2014 , Civil Engineering Department , Eshan College of Engineering , Mathura , India , pp 30-33.

Invited/Expert Lectures:

1. Fibre Reinforced Concrete , Short Term Course on “Modern Construction Materials and Practices (MCMP-2013)”, July 17-21, 2013, Department of Civil Engineering, MNNIT, Allahabad.
2. Loads & Load Combinations , Short Term course on Limit State Design of Steel Structures (LSDSS-2013), October 17-21, 2013, Department of Civil Engineering, MNNIT, Allahabad.
- 3.

Awards

1. 3rd Place Conference paper award for the paper entitled , “ An Approach for Selection of Wastewater Treatment Units using Analytical Hierarchy Process”, Seventh International Conference on Environmental Science & Technology – 2014 , American Academy of Sciences , June 9 – 13 , 2014 , Houston , Texas , USA.

Other Professional Activities:

- Acted as Advisor/Expert Member in SSC, Allahabad.
- Examiner/Paper Setter for various Central & State Govt. Technical Institutions.
- Reviewed few Technical Books Published by Pearson education .
- Member of editorial team for STM Journal of Geotechnical Engineering
- Member of editorial team for STM Journal of Structural Engineering
- Member of editorial team for International Journal of Structural Engineering and Analysis
- Member of editorial team for International Journal of Concrete Technology
- Member of editorial team for Journal of Civil Engineering and Architecture