

BIO-DATA

- 1. Name : Sitaram Nayak**
2. Date of birth : 05-04-1965
3. Educational qualifications:

Degree	Specialization	University	% Marks	Year	Remarks
PhD.	Geotech Engg.	I.I.Sc., Bangalore	--	2000	Submitted thesis in two and a half years.
M.Tech.	Geotech Engg.	I.I.Sc., Bangalore	7.4 /8.0	190.	Distinction.
B.E.	Civil Engg.	KREC, Surathkal	80%	1986	II Rank to M'lore Univ. and Best outgoing student award from KREC

4. Experience:

Sl No.	Organization	Designation	Duration
1	NITK, Surathkal	Professor	Since 01-01-2010
2	NITK, Surathkal	Associate Professor	01-01-2006 to 01-01-2010
3	NITK, Surathkal	Assistant Professor	30-10-2001to 01-01-2006
4	NITK, Surathkal	Senior Lecturer	30-10-1998 to 30-10-2001
5	NITK, Surathkal	Lecturer	29-12-1992 to 30-10-1998
6	National Institute of Rock Mechanics (Govt. of India)	Scientist	10-08-1990 to 19-12-1992
7	Larsen and Toubro, Chennai	Design Engineer	16-02-1990 to 31-07-1990
8	MVJ College of Engineering	Lecturer	01-08-1986 to 10-11-1987

5. Thesis Guidance:

a) Ph.D. Guidance:

Sl. No.	Thesis title	Area	Year
1	Prediction of behaviour of lateritic soil and effect of contamination on behaviour of lateritic soil and shedi soil (Student : Sunil)	Environmental Geotechnology	Thesis defended on 8-1-2009.
2	Prediction of behaviour of Shedi soil and its stabilization(Student: Purushotham)	Soil behaviour and soil stabilization	Thesis defended on 6-2-2011.
3	Studies on plain & reinforced stone columns in soft & layered soils(Student:Dheerendra Babu)	Ground Improvement	Thesis defended on 19-11-2011.
4	Compatibility of blended lithomargic clay as a landfill liner materials (Student: Allama Prabhu)	Soil behaviour	Thesis defended on 05-11-2014
5	Seismic site response of 1-D inhomogeneous ground with continuous variation of soil properties (Student: Vijeyendra)	Earthquake Geotechnical Engineering	Thesis defended on 11 th Feb, 2016.
6	Area: Geotechnical Engineering (Name of the Student: Darshan)	Ground Improvement	ongoing

b) M.Tech Guidance:

Sl. No.	Project title	Name of the student	Year
1	Stability analysis of c-phi soils slopes founded over cohesionless soil using PLAXIS software	Azneb A S	2015
2	Geotechnical investigation on lithomargic clay stabilised using quarry dust and cement and its application to slope stability problems	Betsy Maria Lukas	2015
3	Geotechnical investigation on lithomargic clay stabilised using quarry dust and lime and its application to slope stability problems	Carolin F	2015
4	Effect of surcharge on the stability of c-φ soil slopes	Reeba	2014
5	Effect of surcharge on the stability of layered cohesionless soil slopes	Pavan Kumar	2014
6	Studies on dynamic pile load tests and empherical approaches	Dinesh	2014
7	Characterization of laterite and use of lateritic powder, quarry dust and cement in the manufacture of building blocks.	Shubhananda Rao	2014
8	Studies on the stability of two layered soil slopes using PLAXIS software	Chittaranjan	2013
9	Suitability of locally available soils as landfill clay liner material	Srinivasa H	2013
10	Studies on the effect of water table on stability of two layered soil slopes using PLAXIS software	Amritha K	2013
11	Experimental investigation on reinforced stone columns in soft soil	Arun	2012
12	Studies on the effect of water table on stability of slopes using PLAXIS software	Neema	2012
13	Studies on the effect of benching and surcharge on stability of slopes using PLAXIS software	Prabita	2012
14	Architecting framework for managing stakeholders in construction projects	Varsha	2012
15	Geotechnical studies on suitability of shedi soil blended with marine clay as a landfill liner material	Santosh	2012
16	Geotechnical studies on suitability of shedi soil blended with black cotton soil as a landfill liner material	Zaffar	2012
17	Settlement analysis of foundation on layered soil using PLAXIS 3D software	Ganga	2011
18	Expt. And numerical studies on the behaviour of stone columns with porous concrete plugging.	RasmaRSV	2011
19	Expt. And numerical studies on long term behaviour of stone columns with porous concrete plugging.	Jasina	2011
20	Studies on dynamic soil structure interaction	M M Akshath	2011
21	Mineralogical Studies and Numerical Analysis on Shedi Soil Stabilized With Cement and Quarry Dust	Rajeev Kusugal	2010
22	Experimental and Numerical Studies on Reinforced Stone Column in Layered Soils	Damu D	2010
23	Experimental and Numerical Studies on Long Term Behaviour of Stone Columns	Bipin Madhu	2010

24	Experimental and Numerical Studies on Reinforced Stone Column in Soft Soil	Jahad A Majeed	2010
25	Slope stability Coefficients for Layered Soil Slopes	Achu C Cherian	2009
26	Designing and Construction of piles Under Various Field Conditions	Naveen B P	2009
27	Experimental Studies on Effect of Geometrical Parameters on Stone Column Treated Ground	Naveen James	2009
28	Experimental Studies on Effect of Stone Columns In Layered Soil	Rajat Kumar Vaidya	2009
29	Behaviour of Stone Columns With Vertical Circumferential Nails	R Manjunath	2009
30	Stabilization of Shedi Soil using Quarry dust and Cement	Devarase Gowda	2008
31	Seismic Slope Stability Analysis	Babu V S	2008
32	Effect of Contamination and Bioremediation on Engineering Properties of Lateritic Soil and Shedi Soil	Prasanna G	2007
33	Prediction of Engineering Properties of Shedi Soil Before and After Cement Stabilization	Sujesh M S	2007
34	Hydraulic and shear characteristics of sandy soil of Japan	Parvathy K	2007
35	A Study on Characterization of Lateritic Soils Before and After its Contamination	Smitha SS	2006
36	Dynamic Active Earth Pressure Analyses for Broken Backfill Surfaces	Vidya Das K	2006
37	Effect of Surcharge on Dynamic Active Earth Pressure for Two Layered Cohesionless Soils	B Venkata Radha Rao	2005
38	Dynamic Active Earth Pressure for Two Layered Cohesionless Soils	Ponna Ravi Kumar	2005
39	Earthquake Induced Active Earth Pressure on Earth Retaining Structures	Sandesh Shriyan	2004
40	Effect of Sudden Drawdown and Tension Cracks on the Stability of Soil Slopes	V R Ramachandra Rao	2004
41	Slope Stability Coefficients for Steep Soil Slopes	G Padmaja	2003
42	Cohesive Component of Uplift Capacity for Horizontal Strip Anchors in Layered C-Phi Soils	Ujwal Kumar Shetty	2002
43	Surcharge Component of Uplift Capacity for Horizontal Strip Anchors in Layered C-Phi Soils	Bhanu Prakash	2002
44	Static and Dynamic Active Earth Pressure Coefficients	K N Jagadeeswar	2001
45	Uplift Capacity of Horizontal Strip Anchors in Layered Sands	Laxmikantha M R	2001
46	Laboratory Investigation on Pullout Capacity of Inclined Plate Anchors	Sunder V S	1997
47	Pile- Raft System in Lateritic Soil – A Model Study	M M Ansari	1996
48	Prediction of Shear Characteristics of Shedi Soil of Dakshina Kannada District	A Vijay	1995
49	Prediction of Shear Characteristics of Shedi Soil of Dakshina Kannada District	Ravindranath	1995
50	User Friendly Software Development and Critical Study of Earth Pressures	Koti Reddy	1994
51	Analysis of Soil Slope Underlain by Thin Soft Clay Layer	Mohamed Faizur Rahaman K	1994
52	Design of Railway Tunnel Support in Lateritic Soil	M Gopal B	1993

6. Paper publications:

a) International Journals:

- i) K.S.Subba Rao, **Sitaram Nayak** and Deepankar C., “ Displacement related passive earth pressure”, ‘Geotechnical Engineering’, Journal of South East Asian Geotechnical Society, AIT, Bangkok, Vol. 35, No.2 , August 2004, pp. 79-85.
- ii) Sunil BM, **Sitaram Nayak** and Shri Hari, “ Effect of PH on Engineering properties of laterite”, Journal of Engineering Geology, U K, Elsevier, Vol. 85, April 2006, pp. 197-203.
- iii) **Sitaram Nayak**, Sunil B M and Shri Hari, “ Compaction and Hydraulic characteristics of leachate contaminated lateritic soil”, Journal of Engineering Geology, U K, Elsevier, Vol.94, May 2007, pp. 137-144.
- iv) Sunil B M , Shri Hari and **Sitaram Nayak**, “ Shear Strength and Chemical Characteristics of leachate contaminated lateritic soil”, Journal of Engineering Geology, U K, Elsevier, Vol. 106 No.1, (2009) pp.20-25.
- v) R Shivashankar, Dheerendra Babu, **Sitaram Nayak** and Manjunath, “Stone columns with vertical circumferential nails – A laboratory model study”, Journal of Geotechnical and Geological Engineering, Springer, Netherland, Vol.28, April 2010: pp.695-706.
- vi) **Sitaram Nayak**, Sunil B M and Shri Hari and P V Sivapulliah, “Interaction between soils and laboratory simulated electrolyte solutions”, Journal of Geotechnical and Geological Engg., Springer, Netherland, Vol.28, No.6, (2010) pp 899-906.
- vii) **Sitaram Nayak**, R Shivashankar and M R Dheerendra Babu, "Performance of Stone Columns with Circumferential Nails", Ground Improvement, UK, 164(2), May 2011, pp.97-106.
- viii) R Shivashankar, M R Dheerendra Babu, **Sitaram Nayak** and V Rajat Kumar “ Experimental studies on behavior of stone columns in layered soils”, Geotechnical and Geological Engineering, Springer, Netherland, Vol.29, (2011) pp 749-757.
- ix) Purushotam G Sarvade and **Sitaram Nayak** “ Microfabric and Mineralogical studies using SEM and XRD on the Lithomargic Clay stabilized with cement and quarry dust”, International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Vol. 4, No.5, Sept. 2011, pp 263-273.
- x) **Sitaram Nayak** and Purushotham G Sarvade" Effect of cement and quarry dust on hydraulic and shear strength characteristics of Lithomargic Clay” Geotechnical and Geological Engineering, Springer, Netherland, Vol.30, No.2, (2012) pp 419-430.
- xi) M R Dheerendra Babu, **Sitaram Nayak** and R Shivashankar"A Critical review on design, construction and performance of stone columns" Journal of Geotechnical and Geological Engineering, Springer, Netherland, Sept. 2012.
- xii) K. Allamaprabhu ^a, B.M.Sunil^b, **Sitaram Nayak** ^c, Santosh Fernandes^d and Mohammed zafar“ Geotechnical characteristics of lithomargic clay blended with marine clay as landfill liner material”, International Journal of Earth Sciences and Engineering, Dec. 2012, pp 1803-1808.
- xiii) **Sitaram Nayak**, M R Dheerendra Babu, R Shivashankar and Naveen James “ Performance of stone columns in weak ground with dispersive soils” ICE, Geotechnical Engineering, Vol. 167(1) ,(2014), pp72-82
- xiv) **Sitaram Nayak**, BMSunil and Allama Prabhu ‘Assessment of Blended Lithomargic Clay as Landfill Liner Materials”, Current Advances in Civil Engineering, American V-King Scientific Publishing, Vol 2, issue 4, October 2014, pp 102-117.

b) National Journals:

- i) **Sitaram Nayak**, Ujwal Kumar shetty and Laxmikantha S., “ Uplift capacity of horizontal strip anchors in layered sands”, Indian Geotechnical Journal, Vol.33, No.2, April 2003, pp. 145-163.
- ii) K.S.Subba Rao and **Sitaram Nayak**, “ Uplift capacity of inclined strip anchors in c-phi soils”, Indian Geotechnical Journal, Vol.33, No.3, July 2003, pp. 214-232.

- iii) **Sitaram Nayak** and Bhanu Prakash, “ Effect of Surcharge on Uplift capacity of horizontal strip anchors in layered sands”, Indian Geotechnical Journal, Vol. 34 (3), October 2004, pp. 313-329.
- iv) **Sitaram Nayak** and Padmaja, “ Slope stability coefficients for steep homogeneous soil slopes”, Indian Geotechnical Journal, Vol. 36 (4), October 2006, pp. 373-383.
- v) **Sitaram Nayak**, Purushotam Sarvade and Devarase Gowda “ Engineering Behaviour of Shedi Soil Before and after Quarry Dust Stabilization” Journal of Indian Roads Congress, September 2010, pp 39-46.
- vi) M.R. Dheerendra Babu, R. Shivashankar, **Sitaram Nayak** and Jahad A. Majid “Laboratory model study of reinforced stone columns in soft soils”, NITK Research Bulletin, 2011.
- vii) Vijayendra K V, **Sitaram Nayak** and S K Prasad, “An alternative method to estimate fundamental period of layered soil deposit”, Indian Geotechnical Journal, Vol 45, pp 192-199

c) International Conferences:

- i) B Dasgupta, K.N.Reddy and **Sitaram Nayak**, “ Discontinuum analysis of rock slopes”, Asian Regional Symposium on rock slopes”, New-Delhi, December 1992.
- ii) Sunil B M, Shrihari and **Sitaram Nayak**, “ Soil Leachate Interaction and their effects on hydraulic and compaction characteristics”, 12th international conference on advances in Geomechanics”, to be held in Goa in Nov. 2008 .
- iii) Purushotam G Sarvade and **Sitaram Nayak** “ Microfabric and Mineralogical studies using SEM and XRD on lithomargic clay stabilized with cement and quarry dust”, International Engineers Symposium(IES2011), Kumamoto University, Japan, 3-5th May, 2011, pp:C5-4-1 to C5-4-8.
- iv) A.K. Prabhu, Sunil B.M., and **Nayak Sitaram**, (2012), Geotechnical characteristics of lithomargic clay blended with marine clay as landfill liner material Proc. of World Conference on Applied Sci. and Eng. Tech. Vijayawada, Andhra Pradesh, India, August, 2012
- v) Purushotam G Sarvade and **Sitaram Nayak** “ Studies on utilization of quarry dust to improve the geotechnical properties of lithomargic clay”, International Symposium on Environment and energy technology, Kumamoto University, Japan, 4-5 Dec., 2013.
- vi) P.Shubhanand Rao and **Sitaram Nayak** “Engineering Properties of Laterites and Utilization of Lateritic powder and Quarry Dust in Building Blocks” International conference at Kumamoto University, Japan to be held during March 2015.

d) National Conferences and Seminars:

- i) K.N.Reddy, B.Dasgupta, V.Venkateswarlu and **Sitaram Nayak**, “ Design of soil slopes in an iron ore open pit mine”, Proceedings of Indian Geotechnical conference, Warangal, December 1994.
- ii) **Sitaram Nayak**, K.R.Narendar and V.Venkateswarlu, “ Slope failure in phyllitic clay-A case study”, Proceedings of Indian Geotechnical conference,Bangalore, December 1995.
- iii) R.K.Yaji, **Sitaram Nayak** and Gopal Bhat, “ Design of railway tunnel support system in lateritic soil-A case study”, Conference on design and construction of underground structures, New-Delhi, Feb 1995.
- iv) **Sitaram Nayak**, C.Ravindranath and A.Vijay,“ Prediction of settlement characteristics of shedi soil of Dakshina Kannada district”, Proceedings of Indian Geotechnical conference, Bangalore, December 1995.
- v) **Sitaram Nayak** and Sunder V.S.“ Laboratory investigation on pullout capacity of inclined plate anchors”, National seminar, I.I.Sc., Bangalore, July 1997.
- vi) **Sitaram Nayak** and M.M.Ansari, “ Pile-raft system in lateritic soil-A model study”,Proceedings of Indian Geotechnical conference, Allahabad, December 2002.
- vii) K.S.Subba Rao and **Sitaram Nayak**“ Uplift capacity of deep strip anchors in soils subjected to surcharge”, Proceedings of Indian Geotechnical conference, Allahabad, December 2002.
- viii) **Sitaram Nayak** and Sandesh Sriyan, “Earthquake induced active earth pressure on retaining walls”, Proceedings of National Symposium on Advances in Geotechnical Engineering , I.I.Sc., Bangalore 22-23 July, 2004.
- ix) Padmaja and **Sitaram Nayak**, “ Slope stability analyses for steep soil slopes”, Proceedings of Indian Geotechnical conference,Warangal, December 2004

- x) Shivashankar R and **Sitaram Nayak**, “ Geotechnical practices in coastal Karnataka”, Proceedings of National conference on Geopractices, IISc., Bangalore, July, 2005.
- xi) **Sitaram Nayak**, ponna Ravikumar and Venkat Radha Rao “ Sismic Analysis of Active Earth Pressure in Layered Cohesionless Soils” Indo-Japan Workshop on Advances in Geotechnical Engineering, NITK, Surathkal, March 2008.
- xii) Purushotam Sarvade, **Sitaram Nayak** and Sujesh M S, “Engineering Behavior of Shedi Soil Before and After Cement Stabilization” Indian Geotechnical conference, Bangalore, December 2008.
- xiii) Prasad S.K., K.V. Vijayendra, **Sitaram Nayak** and G.P. Chandradhara G.P. (2010), “Requirements of Site Investigation for Seismic Design of Geotechnical Structures”, National Workshop on Soil Exploration and Foundation Design, Vadodara, India. June 25th & 26th, 2010.
- xiv) Prasad S. K., **Sitaram Nayak**, K.V. Vijayendra, K. V. and Satish Reddy (2010), “Site Specific Ground Motion for Seismic Design of Structures”, 4th CUSAT National Conference on Recent Advances in Civil Engineering, Cochin, September, 16-18, 2010
- xv) Naveen B P, **Sitaram Nayak** and R L Pujar “ Designing and construction of pile foundations for various field conditions” Proceedings of Indian Geotechnical conference, IIT Bombay, December 2010.
- xvi) Dheerendra Babu, **Sitaram Nayak**, R Shivashankar and Jahad A Majeed “load settlement behavior of stone columns reinforced with nails ” Proceedings of Indian Geotechnical conference, IIT Bombay, December 2010.
- xvii) KVVijayendra, SKPrasad and **Sitaram Nayak** “Computation of fundamental period of soil deposit – A comparative study “ Proceedings of Indian Geotechnical conference, IIT Bombay, December 2010.
- xviii) Vijayendra K.V., S.K. Prasad, **Sitaram Nayak** (2011), “Importance of Continuous Variation in Soil Properties Instead of Layered Idealization in Seismic Response Study of Ground” Indian Geotechnical Conference – 2011, Kochi, India. December 15th – 17th, 2011. Theme- Geotechnical Earthquake Engineering, Paper No. 361.
- xix) Shivashankar, R., Jeyalekshmi, B.R., **Sitaram Nayak**. and Ravi Shankar A.U “Geosynthetics for Ground Improvement and Stability of Slopes” Two Day workshop on Application of Optimization Techniques for Stability Analysis and Recent Methods for Stabilization of Slopes’, Organised by NMAMIT Nitte, 30th and 31st July 2012.
- xx) Vijayendra K.V., S.K. Prasad, **Sitaram Nayak** (2012), “Effect of layer impedance on the frequency characteristics of predicted surface motion” Indian Geotechnical Conference 2012, New Delhi India, India. December 13th – 15th, 2012., Paper No. H 822.
- xxi) Allama prabhu, Sunil B M and **Sitaram Nayak**(2013) “Sutability of locally available lithomargic clay blended with blackcotton soil as landfill liner material”, National conference on New Horizons in Civil Engineering, MIT, Manipal, April 2013
- xxii) R. Shivashankar, **Sitaram Nayak** and B. M. Sunil (2013) ” Geotechnical Engg. Practices: through case studies” Awards, convention and consultants colloquium, Association of consulting Civil Engrs, Mangalore chapter, January 11-12, 2013

7. Major consultancy projects:

- i) Verification of various designs related to road projects connected with PMGSY scheme as member of State Technical Agency(STA) appointed by NRRD, Govt. of India. Consultancy amount is about Rs. 3.00 lakhs per year since 2002. (total consultancy amount is about Rs. 30.00 lakhs during 2002-2014).
- ii) Design of number of retaining walls and embankment slopes at various locations in JBF Petrochemicals, MSEZ, Mangalore. Consultancy amount is about Rs. 1.50 lakhs.(year 2012-13 and 2013-14).
- iii) Proof check of designs and drawings related to pipe rack construction in MSEZ area. Consultancy amount is about Rs. 1.80 lakhs.(year 2013-14)
- iv) Design of number of retaining walls and embankment slopes at various locations in Mangalore Airport area. Consultancy amount is about Rs. 1.10 lakhs.(year 2012-13).
- v) Design of protection works for transmission towers at various locations in udupi and DK district for Karnataka Power transmission Corporation Ltd. Consultancy amount is about Rs. 1.30 lakhs.(year 2012-13).
- vi) Proof check of foundation designs for Kudremukh Iron Ore Company, Panambur. Consultancy amount is about Rs. 0.65 lakhs. (year 2011-12).
- vii) Design of retaining walls, Box culverts and soil slopes at various locations for Varahi project at Kundapur, Udupi District. Consultancy amount is about Rs.1.50 lakhs.(2012-13 and 2014-15).
- viii) Soil investigation for PMGSY road works of Udupi district. Consultancy amount is about Rs. 1.50 lakhs(year 2013-14).

- ix) Soil investigation for PMGSY road works of D.K. district. Consultancy amount is about Rs. 1.80 lakhs.(year 2013-14).
- x) Soil investigation for fisheries road works of Udupi district. Consultancy amount is about Rs. 1.10 lakhs(year 2011-12).
- xi) Soil investigation for the estimation of safe bearing capacity and recommending type of foundation for many govt./private buildings. Consultancy amount is about Rs. 2.00 lakhs/year.
- xii) Design of number of soil slopes for Konkan Railway Corporation at Honnavar and Goa region.
- xiii) Geotechnical Investigations and design of foundations for light house at Kundapur and also at Honnavar
- xiv) Design of retaining walls for NH17 4 lane project at various locations.
- xv) Other geotechnical consultancy works.

8. Organising/ Attending Seminars and Conferences:

- i) **Organized two** days Workshop on “ Recent trends in Ground improvement and piling”, at NITK, Surathkal, 31-7-2015 to 01-08-2015.
- ii) **Organized one** day Workshop on “ Ground improvement techniques”, at NITK, Surathkal, 5th August, 2013.
- iii) **Organized one** day Workshop on “Revision of PG Geotechnical Engg. Curriculum of NITK Surathkal ”, at NITK, Surathkal, 6th August, 2013
- iv) **Chaired a technical session** in National conference on New Horizons in Civil Engineering, MIT, Manipal during April 2013.
- v) **Organized two** days **INDO-JAPAN** Workshop on “ Dissaster management and risk mitigation”, at CPRI, Bangalore, August, 2008.
- vi) **Organized** one day **INDO-JAPAN** Workshop on “ Recent Advances in Geotechnical Engineering”, at NITK Surathkal on 4th March, 2008.
- vii) **Organized** one day seminar on “Latest trends in civil Engineering” on 25-05-2001 in NITK, Surathkal.
- viii) **Organized** one day seminar on “Developments in Geotechnical Engineering”, on 30-05-2003 in NITK, Surathkal.
- ix) **Organized** two days workshop on “ Revision of PG Curriculum of NITK Surathkal”, at NITK Surathkal during Feb, 2005.
- x) **Organized** one day workshop on “ New developments in concrete technology”, at NITK Surathkal during Nov, 2005.
- xi) Attended one day seminar on “Problems of constructions in lateritic formations”, KREC, May 1994.
- xii) Attended and presented two papers in Indian Geotechnical Conference, Bangalore, December 1995.
- xiii) Attended one day seminar on “ Effects of geotechnical properties on engineering properties of bricks and tiles”, KREC, 31-10-2000.
- xiv) Attended three days seminar on “Educational utilization of standards”, CCE, NITK, Surathkal, 4-9-02 to 6-9-02.
- xv) Attended one day seminar on “Earth quakes and design of foundations”, MIT. Manipal, 19-5-2001.
- xvi) Attended two days seminar on “ Earth quake Geotechnical Engineering” , I.I.Sc., Bangalore, 23-24 December 2003.
- xvii) Attended three days workshop on “ Revision of UG Curriculum of NITK” at NITK Surathkal during Jan, 2005.

9. Short term courses organized:

- i) ISTE short term course on “Advances and latest trends in geology and geotechnology”, 31st December 2002 to 12th Jan,2003(Along with DV Reddy and Subhas Y).
- ii) Three days training program on “ Construction and maintenance of rural roads”, (under Pradhan Mantri Gram Sadak Yojana), 30-09-2003 to 2-10-2003.
- iii) One week training programs (**8 Nos.**) on “ Design, Construction and maintenance of rural roads”, (under Pradhan Mantri Gram Sadak Yojana);
 - a) Duration 12 -7-04 to 17 -7-04
 - b) Duration 2-8-04 to 7-8-04
 - c) Duration 16-8-04 to 21-8-04.

- d) Duration 20-9-04 to 25-9-04
- e) Duration 04-10-04 to 09-10-04.
- f) Duration 17-04-2006 to 22-04-2006
- g) Duration 24-07-2006 to 29-07-2006
- h) Duration 21-08-2006 to 26-08-2006
- iv) Two days training program on “ Detailed project report”, (under Pradhan Mantri Gram Sadak Yojana), 07-07-2006 to 08-07-2006.
- v) Two day training program on “ Road safety”, (under Pradhan Mantri Gram Sadak Yojana), 04-09-2006 to 05-09-2006.
- vi) Two day training program on “ Soil and Material characterization for rural roads”, (under Pradhan Mantri Gram Sadak Yojana), 25-09-2006 to 26-09-2006.
- vii) Two day training program on “ Soil and Material characterization for rural roads”, (under Pradhan Mantri Gram Sadak Yojana), 30-10-2006 to 31-10-2006.
- viii) Two days training program on “ Surveying and layout for rural roads(under Pradhan Mantri Gram Sadak Yojana), 06-11-2006 to 07-11-2006.
- ix) Two days training program on “ Ground improvement methods and use of Geotextiles”, (under Pradhan Mantri Gram Sadak Yojana), 13-11-2006 to 14-11-2006.
- x) One week training program on “ Design of pavements” for working professionals during 09-08-2010 to 14-08-2010.
- xi) One week training program on “ Soil mechanics and testing for road engineers” for working professionals during 13-09-2010 to 17-09-2010.
- xii) One week training program on “Design, Construction and maintenance of all weather roads”, for KPWD Engineers during 08-09-2014 to 12-09-2014.
- xiii) One week training program on “ Soil mechanics and testing for road engineers” for working professionals during 19-1-2015 to 23-1-2015.

10. Membership of professional bodies:

- i) Life member of Indian Geotechnical Society
- ii) Life member of Indian Society for Technical Education
- iii) Life member of International Society for Rock Mechanics and Tunneling Technology
- iv) Life member of Institution of Engineers
- v) Member of Indian Roads Congress.
- vi) Life member of IISc., Bangalore Alumni association
- vii) Life member of NITK Alumni association

11 Main Contribution to departmental activities

- i) Worked as Secretary of Departmental Under Graduate Committee
- ii) Worked as Secretary of Departmental Post Graduate Committee.
- iii) Developed Geotechnical Engineering Laboratory.
- iv) Prepared the report and successfully coordinated NBA accreditation activities of MTech Geotechnical Engineering program during 2007
- v) Active participation in the preparation of NBA report for BTech Civil Engineering program during 2014
- vi) Active participation in the preparation of NBA report for MTech Geotechnical Engineering program during 2014-2015
- vii) Introduced new elective namely “Design of foundations and earth retaining structures” to final year BTech. students during 2006.
- viii) Worked as faculty advisor for MTech.(Geotechnical Engg.) programme.
- ix) Worked as faculty advisor for BTech.(Civil Engg.) programme.
- x) Involved in the revision of MTech. And B.Tech. (Civil) Engg. syllabus.
- xi) Planned and rearranged equipments in the Geotechnical Engineering Laboratory.
- xii) Worked as office bearer of Civil Engineering Association.

12 Participation in college activities

- i) Worked as Warden of VII block, NITK, Hostels.

- ii) Worked as Chairman seating arrangement committee of Convocation-2010 and Co Chairman seating arrangement committee convocation 2009.
- iii) Worked as Co Chairman Transport committee convocation-2012, 2013 and 2014.
- iv) Worked as chairman exhibition committee Indian Engineering Congress December 2009.
- v) Worked as chairman exhibition committee ISTE Convention December 2009.
- vi) AIEEE/JEE Main counselor since 2005.
- vii) Actively involved in BTech. admission process.

13 Participation in social activities

- i) Worked as an active CBSE committee member of NITK English Medium High School
- ii) Worked as executive member of Parent-Teacher Association, KREC English Medium High School.
- iii) Worked as executive member of Parent-Teacher Association, NITK, Surathkal.
- iv) Involving as a committee convener in INCIDENT (Inter College cultural competitions) organized every year by NITK.
- v) Worked as faculty in charge of Civil Engineering Events in ENGINEER since 4 years

14 Awards and recognition

- i) Mallya memorial award from KREC Surathkal for the best outgoing civil engineering student during 1986
- ii) Second rank to Mangalore University during 1986.
- ii) GATE Percentile=99.22 (Toper to South Zone consisting of Kerala and Karnataka states)
- iv) First rank to KREC in third semester.
- v) First rank to KREC in fifth semester.
- vi) First rank to KREC in eighth semester.

15. Any other informations:

- i) Worked as treasurer and presently as an executive member of Indian Geotechnical Society-Surathkal Chapter.
- ii) Working as a member of state technical agency (STA) for PMGSY works under Govt. of India since 2002. The work involves technical scrutiny of estimates and design of road projects of 13 districts of Karnataka state, India under Pradhana Mantri Gram Sadak Yojana (PMGSY) scheme.
- iii) Delivered many lectures in short term courses conducted by the department of Civil Engineering.
- iv) Working as councilor for Indhira Gandhi National Open University (IGNOU) courses namely, Soil Mechanics, Foundation Engineering, and Soil Mechanics Laboratory.
- v) Worked as BOE member of SDM Dharwad and NMAMIT, Nitte.
- vi) Evaluated PhD thesis of VTU.
- vii) PhD progress panel member for one student of BVB Hubli.
- viii) PhD progress panel member for three students of MIT, Manipal.

I here by declare that the above information are correct.

(Sitaram Nayak)