

Detailed Bio-Data



Dr. E. Saibaba Reddy

Professor of Civil Engineering,

Principal JNTUH College of Engineering, Hyderabad

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Date of birth: 11th January 1960

Academic Qualifications:

- Ph.D. University of Nottingham, UK (1990-93)
- Post Doc. University of Birmingham, UK. (September 2002 – March 2003)
- Post Doc. St. Mary's University, Canada (March – September, 1998)
- M.E. (Hons.) University of Roorkee (1984-86) First class with Honors (Univ. 3rd Rank)
- B.Tech. (Civil Engg) J.N.T. University (1979-83) First Class with Distn (Univ.5th Rank)

Awards/Honors/Fellowships Received (9)

- 1) ASTM Award for Best Paper for the Year 1998 (Awarded by American Society for Testing and Materials ASTM)
- 2) Commonwealth Scholarship for PhD Studies at University of Nottingham UK. (1990-93) (Awarded by Commonwealth Commission London)
- 3) Commonwealth Fellowship for Post Doctoral Research at University of Birmingham UK. (2003-2004) (Awarded by Commonwealth Commission London)
- 4) Post Doctoral Research Fellowship at St. Mary's University, Halifax Canada (1998) (Awarded by St. Mary's University Halifax Canada)
- 5) Certificate of Appreciation for Higher Education and International Cooperation. (University of New Orleans, USA.
- 6) Shamshare Prakash Research Award 2000 (Awarded by University of Roorkee)
- 7) Engineer of the Year 2009 (awarded by Govt. of A.P. and Institution of Engineers (India) AP State Centre).

8) Best Teacher Award 2012 (Awarded by the Govt, of A.P.)

9) UGC Scholarship for PG studies

Professional Experience

(Teaching Experience)

- 32 Years Experience in teaching B. Tech & M.Tech in JNTU
- 3 Years B.Sc.(Engg.) University of Nottingham, UK.
- 1 Year Dip.(Engg.) Saint Mary University, Halifax, Canada.

At JNTU:

- Professor in Civil Engineering from October 1999 onwards **(18Years)**.
- Associate Professor in Civil Engineering (1993- 1999) **(6 years)**
- Lecturer in Civil Engineering (1985-93) **(8 Years)**
- **(Industrial Experience)**

30 years. Actively involved in planning and Execution of over 200 Geotechnical engineering projects, under industrial consultancy services of JNT University. The turnover of the Geotechnical Engineering division, for which he is the leader, is about 25 lakhs per year.

➤ *Administrative Positions Held:*

<u>Position</u>	<u>Period</u>
Head of Geo-technical Division	1995 - 2000
Head of Civil Engineering	Jan 2000 - Sept 2002
Coordinator center for Geo-environmental Engineering	Aug 2002 - Dec 2005
Vice-Principal JNTUCEH	June 2004 - May 2005
Director of Academic & Planning JNTU	May 2005 - Aug 2008
Convener, EAMCET	2007 & 2008
Convener, PRITACET	2008
Registrar - JNTUH	Aug 2008 - June 2010
Officer on Special Duty to Vice-Chancellor	June 2010 - July 2011
Director Academic Audit Cell	March 2012 - May 2012
Rector JNTUH	May 2012 - May 2014
Vice Chancellor, Veer Surendra Sai University of Technology-Odisha	Nov 2014 - Nov 2017

Assignment/Administrative Post Held during the Service

Sl. No.	Assignment/ Administrative Posts Held During the Service	Period		Responsibilities/ Activities undertaken During this Period
		From	To	
1	Head Geo-Technical Division	1995	2000	<p>Developed Geotechnical Engineering Laboratory by sending Proposals to and receiving grants from AICTE, UGC and collaborating with other National and International Organizations. Established the Centre for Geo-environmental Engineering in 1999 the First Research Centre of JNTU College of Engineering, Hyderabad.</p> <p>Laboratory facilities Developed: 1) Model test tank-I for Model pile testing under different loading conditions. 2) Model test tank –II for semi-field scale testing with water level fluctuation facilities 3) Model decanting wells to study Ash-pond problems of thermal power stations· 4) Apparatus for Pollutant Transport Studies (1-D Model) 5) Apparatus for Pollutant Transport Studies (2-D Model). 6) Apparatus to study stability of Soil/boulder slopes.</p> <p>Consultancy Activities: Actively participated in planning Executing over 150 Geotechnical Projects in and out side the state Viz. A.p., Karnataka, Maharashtra, Orissa . Clients include Airport Authority of India, South Central railways, HUDA, NMDC, all Govt. Departments, APS RTC and other leading Organizations such as GMR, DCL Polyesters, L&T</p>
2	Head of Civil Engineering Department, JNTU College of Engineering, Hyderabad	Jan. 2000	Sept. 2002	<p>As Head of Civil Engineering Department I was responsible the development of the laboratories, enhancement of academic research and Consultancy activities of the department. Established PG Block for the department, Departmental Library, Seminar Hall and New Computer Centre for the department. Received Research grants from AICTE, UGC and DST.</p>

				Conducted internal Examinations of the department. Established Advanced Structure Analysis Laboratory, Geo-Environmental Engineering Laboratory, Rock Mechanics Laboratory.
3	Coordinator, Center for Geo-Environmental Engineering, JNTU	Aug. 2002	Dec.2005	I was Responsible for the establishment of Centre for Geo-Environmental Engineering. The first Research centre at JNTU College of Engineering. Initiated research into the field of Ground water contamination and remediation guided a number of M.Tech Projects and 2 PhD projects. Consulted and collaborated with a number of International Universities Viz. University of Birmingham (UK), University of New Orleans (USA), Kansas State University (USA), University of Illinois Chicago, Louisiana Tech University(USA)
4	Coordinator, Entrepreneur Development Cell, JNT University	Jan. 2004	Sept. 2004	As the Coordinator, Entrepreneur Development Cell, JNT University organized a number of training and orientation programs for Engineering College Teachers and Students from different parts of the State. For these programs officers from Financing agencies, Industrialists and successful Entrepreneurs have been invited as resource persons.
5	Vice –Principal JNTU College of Engineering, Hyderabad	June 2004	May 2005	As the Vice – Principal JNTU College of Engineering, Hyderabad I was responsible for all the academic activities of the college including organizing meetings of College academic Committee and College Development committee, College Purchase Committee, Disciplinary action committee. Further responsible for conducting University Examinations and declaring results for the college. Advising and Guiding the departments in sending proposals for research and development grants to UGC, AICTE, DST and World bank Funds.
6	Director of Academic and Planning, Jawaharlal Nehru	May 2005	Aug. 2008	As the Director of Academic and Planning (DAP) I was responsible for

	Technological University			<p>conducting Board of studies meeting in all disciplines inviting as many as 200 experts from all over India including IITs, NITS, Industries, research centers. Formulating Academic regulation, Drafting, Printing and Distribution of Syllabus for all courses B.Tech.(21 Branches), M.Tech (70 specializations), MCA, MBA. As DAP I was also responsible for all University Publications. Coordinated and Organized University Signing of MOUs with National and International organizations. Example: Starting Dual Degree MS Program with BTH Sweden, MBA Program Central Michigan University, MS program with Kansas State University USA. Initiated Technology Business Incubation Centre in collaboration with Hoseo University South Korea. Responsibilities include Coordinating and Communication with Govt. / Funding agencies such as State Govt., AICTE, UGC, DST, NAAC Committee. Granting approval for New Courses, research centers, Colleges of the University. During my tenure as DAP the university has established 3 New Engineering Colleges Viz. (1) JNTU College of Engineering Pulivendula, (2) JNTU College of Engineering Jagityala, (3) JNTU College of Engineering Vizayanagaram. I was responsible for <u>Drafting of affiliation Procedures</u>, conducting annual affiliation inspections and monitoring quality of staff and infrastructure. <u>Formulation of University Purchase Procedures</u>, Conducting University Purchase committee meetings. <u>Conducting and Monitoring Convocation procedure.</u> <u>Formulating admission procedures</u> for various courses of University. Conducted Southern Regional Vice-chancellors Conference.</p>
7	Convener, EAMCET – 2007 & EAMCET – 2008 (Common entrance Examination	Dec 2006	Dec 2008	Engineering, Agriculture, Medical Common Entrance Test (EAMCET) is state wide entrance examination for 10 +2 students who seek admission into any of the professional college in the state of A.P. Conduct of EAMCET

	for admission into Engg. & Medicine courses in A.P)			<p>Examination involves a large amount of planning, execution and more particularly Confidentiality. Conduct of this examination involves a large number of staff through out the state which include about 20,000 invigilators, 1000 observers, 50 Special observers, 50 Route officers, about 500 Police personnel. Besides this a large number of supporting staff.</p> <p>As Convener, EAMCET – 2007 & EAMCET – 2008 I was responsible for the preparation and printing of Test paper (with the help of experts across the country) for the examination. Conducting the Entrance examination for about 3 Lakh students in 23 regional centers across the state in about 600 Test Centers. Processing of results i.e. Scanning of OMR sheets and declaring the results.</p>
8	Convener, PRITACET – 2008 (Common entrance Examination for admission into 21 st Century Gurukulams)	Dec 2007	Dec 2008	As Convener, PRITACET, I was responsible for the preparation and printing of Test paper for the examination. Conducting the Entrance examination for about 20,000 students in 6 regional centers across the state. Processing of results, Counseling for admissions.
9	Registrar I/c., Jawaharlal Nehru Technological University, Hyderabad	Aug. 2008	March 2010	<p>As the Registrar(I/c) of the University <u>I was responsible for all administrative, Academic, Financial, Legal, Purchases, Building activities of the University,</u> Which include: Preparation of Financial proposal, conducting Recruitment of the staff, as member secretary preparation of Agenda, Conducting meetings of Monitoring and Development Committee (MDC) the highest decision making body of the University. Represented the University in all legal aspects of the University. Coordinating Heads of all academic and administrative Units of the University. Representing and responding to University matters with the state and Central Govt.</p> <p>As Registrar (I/c) I was</p>

				<p>1) The Member Secretary, Monitoring and Development Committee, of the University. The highest Decision making body of the University.</p> <p>2) The Secretary, University Staff Selection Committee.</p> <p>3) The Member, University Building Committee</p> <p>4) The Member, University Finance Committee</p>
10	Director, Academic and Planning, Jawaharlal Nehru Technological University, Hyderabad.	March 2010	June 2010	As the Director of Academic and Planning I was responsible for Formulating Academic regulation, Drafting, Printing and Distribution of Syllabus for all courses B.Tech., M.Tech , MCA, MBA and all University Publications. Coordinated and Organized University Signing of MOUs with National and International organizations. Coordination and Communication with Govt. / Funding agencies such as State Govt., AICTE, UGC, DST. Granting approval for New Courses, research centers, Colleges of the University. Formulation of University Purchase Procedures, Conducting University Purchase committee meetings. Conducting and Monitoring Convocation procedure.
11	Officer on Special Duty to Vice-Chancellor, (OSD to VC) JNTU Hyderabad.	June 2010	July 2011	As OSD to VC I have Conducted meetings of the Service committee to examine the Service policies of the university and employs' representations related to service matters. Chaired a number of board of selection committee. Advising VC on policies, academic, administrative, financial, Legal matters of the Universities.
12	Director Academic Audit Cell	March -	May 2012	Quality monitoring of Affiliated Colleges
13	Rector (Pro-Vice Chancellor)	May 2012 –	May 2014	Member of Executive Council. Administrative Incharge of all academic programmers, Institutions and Examination System of The University. Functioned as the Chairman of all the University Constituted Committees
14	Vice Chancellor – Veer Surendra Sai University of Technology, Burla, Odisha.	Nov-2014	Till Date	Academic and Administrative head of the University.

Distinctions

Nominated/Elected to State Bodies: (11)

1. Chairman Expert Committee constituted by Govt. of A.P. to inspect and examine the causes for breach of Earth Dam and to monitor the reconstruction of the failure portion of Palemvagu Project in Khammam Dist. 2009.
2. Member Expert committee formulated by Govt. of A. P. to examine the causes and find the remedial measures for the failure of a summer storage tank at Anantapur.
3. Expert Committee member to examine the causes for distress in an Over head water tank at Nizamabad.
4. Honorary Secretary Indian Geotechnical Society, Hyderabad Chapter 1993-95.
5. Chairman Indian Geotechnical Society, Hyderabad Chapter 2004-2006
6. Member, Academic Council, State Board of Technical Education and Training, Andhra Pradesh.
7. Member, Academic Council of University College of Engineering, Osmania University
8. Member, Purchase Committee, Rajeev Gandhi University for Knowledge Technology.
9. Expert Committee member for M.Tech. Courses, Nagarjuna University
10. Member Board of Studies, Kakatiya University Warangal.
11. Member Academic Senate, Krishna University, Krishna istrict, A.P.

Nominated/Elected to National Bodies: (5)

1. AICTE Expert member for Scrutinizing Project Reports.
2. AICTE Expert member for Inspection of Colleges.
3. UGC Expert Committee member for Grant of Autonomy to Osmania University College of Engineering 2010.
4. UGC Expert Committee member for Grant of Autonomy to Osmania University College of Technology 2010
5. State Govt. Nominee for UGC committee for Grant of Autonomy to RGMIT Nandyal 2010.

Stay Abroad for Teaching/Research/Exchange Programme on invitation:

- 1) Nottingham, UK to do PhD at University of Nottingham, on commonwealth Scholarship from Sept. 1990 to Dec 1993 (3 Years 3 months)
- 2) Halifax, Canada to do Post Doctoral research at St. Mary's University, Halifax Canada from March 1998 to Sept 1998 (6 Months).
- 3) Birmingham, UK., to do Post Doctoral Research at University of Birmingham, UK, On Commonwealth Fellowship. Sept 2003-March 2004 (6 Months).

- 4) University of Reading, UK., on Invitation to NSF-Funded “*International Workshop: Thermoregulatory Sensing Analogies Between Skin, Plants, and Soils – Research Challenges and Opportunities*,” March 9-10, London, UK.
- 5) Asian Institute of Technology (AIT), Bangkok to monitor the functioning of MOU between JNTU Hyderabad and AIT.
- 6) BTH Sweden to monitor the functioning of MOU between JNTU Hyderabad and BTH Sweden.
- 7) Germany to sign an MOU between JNTU Hyderabad and BOSCH Germany.
- 8) Kansas State University, Manhattan, Kansas State, USA to initiate the MOU between Kansas State University and JNTU Hyderabad.

Other Honors

- Chairman Expert Committee constituted by Govt. of A.P. to inspect and examine the causes for breach of Earth Dam and to monitor the reconstruction of the failure portion of Palemvagu Project in Khammam Dist. 2009.
- Represented the JNTU as Soil mechanics Expert in the Expert committee formulated by Govt. of A. P. to examine the causes and find the remedial measures for the failure of a summer storage tank at Anantapur.
- Expert Committee member to examine the causes for distress in an Over head water tank at Nizamabad.
- AICTE Expert member for Scrutinizing Project Reports.
- AICTE Expert member for Inspection of Colleges.
- Expert Committee member for M.Tech. Courses, Nagarjuna University, Guntur.
- Governing Body Member for Anurag Engineering College, Ananthagiri, Kodad (Mandal), Nalgonda Dist – 508206.
- Governing Body Member for Arjun College of Technology and Science, Hayathnagar (M), RR District, A.P..
- Governing Body Member for Bomma Institute of Technology and Science, Khammam.
- Governing Body Member for Indur Institute of Engineering and Technology, Ponnal (V), Siddipet (M), Medak Dist.
- Governing Body Member for Krishna Murthy Institute of Technology and Engineering, Ghatkesar (M), Rangareddy Dist.

Member on Editorial Board of Referred research Journal: (5)

- 5) Member of Reviewers for Soil and Sediment Contamination an International Journal.
- 6) Member Board of Reviewers for Institution of Engineers’ Journal.
- 7) Editorial Board Member for International Journal of Earth Sciences and Engineering.

- 8) Member of Board of Reviewers International Journal the Physical Sciences.
- 9) Member of Board of Reviewers National Journal of Environmental Sciences.

Membership of Governing/Executive/Advisory Body (25)

- 1) Member, Academic Council, State Board of Technical Education and Training, Andhra Pradesh.
- 2) Chairman, Board of Management, Veer Surendra Sai University of Technology, Burla, Odisha.
- 3) Chairman, Academic Council, Veer Surendra Sai University of Technology, Burla, Odisha.
- 4) Chairman, Finance Committee, Veer Surendra Sai University of Technology, Burla, Odisha.
- 5) Chairman, Building Committee, Veer Surendra Sai University of Technology, Burla, Odisha.
- 6) Chairman, Examination Committee, Veer Surendra Sai University of Technology, Burla, Odisha
- 7) Member Secretary, Monitoring and Development Committee, JNTUH Hyderabad – August 2008 – March 2010.
- 8) Member of Executive Board, VSS Institute of Medical Sciences and Research (VIMSAR), Burla, Odisha.
- 9) Search Committee member for Vice-Chancellor, Centurion University, Odisha.
- 10) Member Executive Committee, JNTU Hyderabad June 2012-May 2014
- 11) Secretary, Staff Selection Committee, JNTUH Hyderabad - August 2008 – March 2010. & June -2012-May 2014
- 12) Member, University Building Committee, JNTUH - August 2008 – March 2010. & June - 2012-May 2014
- 13) Member, Finance Committee, JNTUH –August 2008 – March 2010. . & June -2012-May 2014
- 14) Member, Purchase Committee, Rajeev Gandhi University for Knowledge Technology August 2008 – March 2010.
- 15) Member, Academic Council of University College of Engineering, Osmania University
- 16) Member, Purchase Committee, Rajeev Gandhi University for Knowledge Technology August 2008 – March 2010.
- 17) Governing Body Member for Anurag Engineering College, Ananthagiri, Kodad (Mandal), Nalgonda Dist – 508206.
- 18) Governing Body Member for Arjun College of Technology and Science, Rangareddy Dist.
- 19) Governing Body Member for Bomma Institute of Technology and Science, Khammam.
- 20) Governing Body Member for Indur Institute of Engineering and Technology, Medak Dist.
- 21) Governing Body Member for Krishna Murthy Institute of Technology and Engineering, Ghatkesar (M), Rangareddy Dist.
- 22) Member Secretary, Monitoring and Development Committee, JNTUH Hyderabad – August 2008 – March 2010.
- 23) Secretary, Staff Selection Committee, JNTUH Hyderabad - August 2008 – March 2010.
- 24) Member, University Building Committee, JNTUH - August 2008 – March 2010.

25) Member, Finance Committee, JNTUH –August 2008 – March 2010.

Other Developmental Activities

- Dev. of Laboratories**
- Established the Centre for Geo-environmental Engineering, 1999 the First Research Centre of JNT University.
 - Designed and developed a number of testing facilities for research activity
 - Model test tank-I for Model pile testing under different loading conditions
 - Model test tank –II for semi-field scale testing with water level fluctuation facilities
 - Model decanting wells to study Ash-pond problems of thermal power stations· Testing facilities for pollutant transport study
 - Apparatus for Pollutant Transport Studies (2-D Model)
 - Apparatus to study Soil/boulder slopes.
 - Apparatus for Pollutant Transport Studies (2-D Model)
- Seminars Organized**
- 12 National Seminars are Organized
- Lectures Delivered**
- 45 (at Institution of Engineers & other Universities & Engineering Staff College, other Engineering Training Institutes)

Research Projects Implemented

- 4 Research projects sanctioned by Govt. of India
- Modernization of Soil dynamics laboratory – 3 lakhs
- Modernization. Adv. Geotech. & Rock. Mechs. Lab. –10 lakhs
- Networking Scheme with IIT Kanpur. – 2.5 lakhs
- Modernization of Env. Geotech. Lab. - 6 lakhs.

Projects Guided

- Guided 6 Ph.D. Projects
- Guiding 3 Ph.D Projects.
- Guided 27 M.Tech. Projects
- Guided 28 B.Tech. Projects

Research Guidance:

i) Ph.Ds Awarded (6)

- 1) Static and Seismic analyses of Reinforced Soil walls Considering Kinematics of Failure by GV Narasimha Reddy (2008), JNT University, Hyderabad
- 2) Physical and Numerical Modelling of One-Dimensional Contaminant Transport with Scale Dependent Dispersion by E.C. Nirmala Peter (2007) JNT University, Hyderabad
- 3) Response of Rigid Vertical pile Under lateral Load based on Kinematics by V. Padmavathi (2008), JNT University, Hyderabad
- 4) Environmental Impacts on soil and water quality with special reference to Sugar and Pharma Industry by P. Raja Sekhar 2010. JNT University, Hyderabad
- 5) Pullout Response of Granular Pile Anchors by O. Eswara Reddy (2015). JNT University, Hyderabad
- 6) Effect of Non-Linear Consolidation on Settlement Behaviour and Pore Pressure Dissipation Student Name: Mr. P. Ayub Khan (2017) JNT University, Hyderabad

ii) Students Presently Working for PhD. (3)

- 1) Design and Performance Studies on Tilting Shear Box for Slope Stability Analysis of Soil. Student Name: Rajashekar Reddy
- 2) Engineered Land Fill design for Industrial Waste Disposal Hyderabad. Student: Bhaskar Reddy.
- 3) Uncertainties in Design, Construction of Pile Foundations with reference to Behavior of Soils. Student, Mr. Nafees Ahmed.

Projects Having Collaboration with Industry/ research Organizations: 4

- 1) Networking Scheme On Lime Column studies for Problematic Black Cotton soils – in Collaboration with IIT Kanpur.
- 2) Studies on Geotextile applications for Decanting wells at Fly-Ash ponds of Vijayawada Thermal Power Station. For This Motel Decanting wells are designed and tested in JNTU.

3) Suitability and Design Studies on Clay Liner for the application of Engineered Land Fills at Dindigal this done in Collaboration with Ramky group of Industry and their Australian Technical experts. For this High Pressure Permeability Test Apparatus has been Developed..

4) Design and Development of Field Shear Box Test Apparatus to study the Soil slopes in railways this project has been taken up in Collaboration with South Central railways. The Project has been taken up at Ballary

Books Authored (5)

Text/ Reference Books

- 1) Measurement of Engineering Properties of Soil by. E. Saibaba Reddy and K. Rama sastri. Publisher: New age International.
- 2) Strength of Materials by. Md. Haseem and E. Saibaba Reddy, Front Line Publishers.
- 3) Soil Mechanics: by E. Saibaba Reddy, Student Material Published by SCDE JNTU.
- 4) Environmental Engineering By E. S Reddy and Dave
- 5) Soil Mechanics Lecture Notes for JNTU Students

Consultancy Activity

Over 200 Geotechnical Projects have been executed over the last 29years of Service through Indian Consultancy Services of JNTU Some of them are listed below.

- 1) Soil Investigation for : DCL Polyester Project at Nagpur.
- 2) Soil Investigation for 90 Plat formed Mahatma Gandhi Bus station, Imlibun, Hyderabad.
- 3) Dynamic Testing of Soils for HPCL Refineries in Vishakapatnam.
- 4) Soil Testing and Quality Control for the Construction of Necklace Road, Hyderabad
- 5) Soil Investigation for NMDC Building, Masab Tank, Hyderabad,
- 6) Soil Investigation for Head Office Building of Singareni Collieries at Lakdikapool.
- 7) Soil Investigation for Multi-storied P&T Building Adarsh Nagar, Hyderabad
- 8) Soil Investigation for Left Bank Power House of Srisailam Dam.

- 9) Soil Investigation for Car Parking Complex, Abids, Hyderabad.
- 10) Soil Investigation for Vijayawada Bus Station.
- 11) Soil Investigation for Bus Bhavan RTC Cross Roads
- 12) Soil Investigation for RBI Building.
- 13) Soil Investigation for Extension of Runway at Begumper Airport.
- 14) Soil Investigation for Hotel Golkonda.
- 15) Soil Investigation for Masab Tank Fly-over.
- 16) Soil Investigation and quality check for the Engineered land fill near Dindigal
- 17) Soil Investigation for VSNL (Videsh Sanchar Nigam Ltd) Project at Hi-Tech City.
- 18) Soil investigation Report for the Flood protection wall for Nagarjunasagar Dam.
- 19) Soil Investigation for Prasad I-Max Complex.
- 20) Soil Investigation for NCB Complex Hyderabad.

Served/Serving as consultants to industry/other Organizations

Consultancy is being offered to a large number of Govt, Public and Private Organizations some of them the Organizations are listed below.

- 1) Hyderabad Urban Development Authority (HUDA)
- 2) Irrigation Department
- 3) South Central Railways.
- 4) APS RTC
- 5) National Academy of Construction (NAC)
- 6) Municipal Corporation of Hyderabad
- 7) Airport Authority of India.
- 8) AP Housing Board
- 9) AP GENCO (Electricity Board)
- 10) NMDC

Extension/Other Activities:

A) Extension/Outreach activities involved in (9)

- 1) Served as NSS Programme Officer.
- 2) Organized Seminars on Environmental Protection to School Teachers on behalf of Association of British Scholars, AP Chapter.
- 3) Organized a training programme in soil testing for the Engineers of Singarany collieries.
- 4) Organized Training programme in Soil testing for Scientists of National Council for Building Materials (NCB) Hyderabad
- 5) Organised a Seminar In collaboration with BIS New Delhi. To bring awareness on the Importance and relevance of IS codes in Design and execution.
- 6) Served as Student advisor at JNTU CE Anaparthi 1993-1994.
- 7) Admission Test for 21st Century Gurukulam
- 8) In-charge Geotechnical Engineering Laboratory
- 9) In-charge Computers Laboratory of Civil Engg. Department.

Membership of Professional Society

National

1. Fellow of Institution of Engineers (India) (FIE) · F107167-6
2. Fellow of Indian Geotechnical Society (FIGS) LF 0380
3. Fellow of Indian Association of Hydrologists (FIAH) FM201·
4. Member of Indian Society of Rock mechanics and Tunneling Technology (MISRMTT)
5. Member of Indian Water Resources Society (MIWRS)
6. Member of Indian Society of Technical Education (MISTE) LM 30896
7. Member of Indian Society for Earth Quake Technology (MISSET) LM-1008
8. Chartered Engineer (India) (CE)
9. Member, Indian Roads Congress (MIRC) LM-35751
10. Member Indian Science Congress Association L15138
11. Member Indian National Cartographic Association LM-1878

International

12. Member of Association of British Scholars (MABS)
13. Member International Society of Soil Mechanics and Foundation Engineering

Foreign Universities Visited (24) :

1. Dalhousie University, Canada
2. Illinois Institute of Technology, Chicago, USA
3. Kansas State University, USA
4. Loughborough University
5. Northwestern University, Chicago
6. Nottingham Trent University, UK
7. Saint Mary's University, Canada
8. Sheffield Hallam University
9. Sheffield University, UK
10. Technical University of Nova Scotia, Canada
11. University of Birmingham, UK
12. University of Cambridge, UK
13. University of Central England in Birmingham
14. University of Chicago, USA
15. University of Illinois at Chicago, USA
16. University of London, (Imperial College), London, UK
17. University of Manchester, UK
18. University of New Orleans, USA
19. University of Nottingham, UK.
20. University of Wolver Hampton, UK.
21. University of Readings, UK.
22. Asian Institute of Technology (AIT) Bangkok.
23. Blekinge Institute of Technology, Sweden.
24. Linkoping University, Sweden

Leading Universities/Institutions/Research Centres in India Visited

1. Indian Institute of Technology, Kanpur.
2. Indian Institute of Technology, Madras
3. Indian Institute of Technology, Bombay
4. Indian Institute of Technology, Delhi
5. Indian Institute of Technology, Roorkee.
6. Indian Institute of Technology, Bhubaneswar.
7. Indian Institute of Technology, BHU, Varanasi.
8. NIT Warangal
9. NIT Suratkal
10. NIT Nagpur
11. NIT Allahabad.
12. NIT, Surat.
13. IIIT Hyderabad.
14. Central Building Research Institute(CBRI), Roorkee.
15. National Institute of Hydrology(NIH).
16. Irrigation Research Institute (IRI).
17. Osmania University.
18. Banaras Hindu University
19. Central University of Hyderabad

Research Publications

Publications (National and International) 123

International Journals and Conferences	61
National Journals and Conferences	62

International Journals

1. P. Ayub Khan, M.R. Madhav and E. Saibaba Reddy. (2012). “Comparative study of linear and non-linear theories one-dimensional consolidation of thick clay layers”, Lowland Technology International Journal, Vol. 14, No.1, 19-30.
2. Saibaba Reddy, E., SinaBorzooei and Narasimha Reddy, G. V. (2012), “Interference between Adjacent Footings on Sand”, International Journal of Advanced Engineering Research and Studies, 1(4), 95-98.
3. Saibaba Reddy, E., SinaBorzooei and Narasimha Reddy, G. V. (2012), “Effect of Ground Moisture on Spread of Contaminants in Sand Deposit-An Experimental Study”, International Journal of Earth Sciences and Engineering, 5(6), 1560-1566.
4. P. Ayub Khan, M.R. Madhav and E. Saibaba Reddy (2010) “Consolidation of thick clay layer by radial flow – Non-linear theory”, Geomechanics and Engineering, Vol.2., No. 2, 157-160.
5. P.RajaSekhar, E.Saibaba Reddy and M.Anji Reddy (2010), “Environmental Impacts on Soil Quality with Special Reference to Pharma Industry Using Remote Sensing and GIS ” International Journal of Earth Sciences and Engineering Vol 3(3), pp 389-397.
6. P.RajaSekhar, E.Saibaba Reddy and M.Anji Reddy (2010) “Environmental Impacts on Soil and Water Quality due to Sugar and Pharma Industry ” International Journal of Earth Sciences and Engineering, Vol 05 No 02 pp 314-321.
7. Narasimha Reddy, G.V., Madhav, M.R. and Saibaba Reddy, E. (2009). Kinematics and Analysis of Reinforced Soil Wall Linear Backfill Response, International Journal of Geotechnical Engineering, Vol. 3, Issue 1, January 2009, pp 39-50.J. Ross Publishing, Inc.,
8. Rajashekhar, **E. Saibaba Reddy** and M. Anji Reddy (2009), Studies on impact of industrialization on Soil Quality using Remote Sensing and GIS. An International Scientific Journal Environment and Pollution Technology.

9. Narasimha Reddy, G.V., Choudhury, D., Madhav, M.R. and **Saibaba Reddy, E.** (2009) Pseudo-Dynamic Analysis of Reinforced Soil Wall Subjected to Oblique Displacement, Geosynthetics International, Thomas Telford, (accepted).
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2. P. Ayub Khan, M.R. Madhav and E. Saibaba Reddy. (2013). “Consolidation of lightly overconsolidated clays with PVDs”, Proc. of Foundation and Soft Ground Engineering Conference Thu Dau Mot University ICTDMU-1, Binh Duong, *June 5- 6, Vietnam*.
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24. E.Rakesh Reddy, **E.Saibaba Reddy** and B.Haritha Reddy “Development of Low Cost Filter Using Herbal Technique” selected for poster presentation at International Conference on Advanced Materials for Energy, Environment and Health (ICAM 2016) at Indian Institute of Technology- Roorkee on 4th to 7th March 2016.
25. E.Rakesh Reddy, **E.Saibaba Reddy** and B.Haritha Reddy “Removal of Copper and Zinc from Wastewater using Chitosan” for International Conference on Advances in Chemical Engineering (ICACE 2015) at National Institute of Technology Surathkal, Karnataka.
26. **E.Saibaba Reddy** –“Application of Flyash in Geotechnical Projects” in International Conference on Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management -2015” on 9-10 October 2015 at Motilal Nehru National Institute of Technology, Allahabad, Uttar Pradesh, India.
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National Journals

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2. P. Ayub Khan, M.R. Madhav and **E. Saibaba Reddy**. (2014).”Comparative Study of Linear and non-Linear Theories of Radial Consolidation of Lightly OC Clays” *Indian Geotechnical Journal*.
3. P. Raja Sekhar, **E. SaiBaba Reddy** (2013) “ Mapping of soil and water quality parameters around Pharma Industry: A case study” *Hydrology Journal Roorkee* (Under Review).
4. P. Raja Sekhar, **E. SaiBaba Reddy** (2013) “Evaluation of Socio Economic Conditions and Environmental Impact Assessment Around the Sugar and Pharma Industries” *Journal of Indian Water Resources Society Roorkee* (Underr Review)
5. P. Ayub Khan, M.R. Madhav and **E. Saibaba Reddy**, (2010). “Effect of non-linear consolidation for radial flow on pore pressure dissipation”, *Indian Geotechnical Journal*, 40(1), 47-54.
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8. P.Raja Sekhar, **E.Saibaba Reddy** and M.Anji Reddy(2008) “Environmental Impact of

- Pharma Industry on Soil Quality” Environmental Geo-Chemistry, Vol 11(1&2), pp 5-10.
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 12. Rajasekhar, P., Anji Reddy, M., and **Saibaba Reddy. E.**, (2007) Studies on impact of industrialization on ground water quality using remote sensing and GIS: A model study, Journal: Environmental Geochemistry, Vol. 10, No. 1 & 2, pp. 15-20.
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National Conferences

1. O. Eswar Reddy. M.R. Madhav, **E. Saibaba Reddy**, B. Vidyaranya (2014) “Granular pile anchors for soft Marine Soils”, National Conference GEPSID, held on October 11-12, 2014, Ludhiana. PP 28-36
2. O. Eswar Reddy. M.R. Madhav, **E. Saibaba Reddy**, B. Vidyaranya (2014) “Ground Improvement by Granular Pile Anchors – A laboratory Study” National Conference on Geo-Innovations, 30-31 October 2014.
3. S. BalaPadmaja, GV Narsimha Reddy and **E. Saibaba Reddy** (2014) “Effect of Clay liner stabilized with Charcoal in Sorbing Nickel”, Indian Geotechnical Conference – 2014, (IGC-2014), 18-20 December 2014, Kakinada, AP.
4. P. Ayub Khan, M.R. Madhav and **E. Saibaba Reddy** (2011),“ Radial consolidation of lightly overconsolidated soils”, Proceedings of Indian Geotechnical Conference, December 15-17, Kochi., 871-874.
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9. Narasimha Reddy, G.V., Madhav, M.R. and **Saibaba Reddy, E.** (2007). “Seismic Stability of Reinforced Soil Walls based on Coulomb and Coherent Gravity Approaches using HSM”, *Proceedings of First Indian Geotechnical Engineers Conference*, JNTUCE, Hyderabad,149-154.
10. Nirmala Peter, E. C., Saibaba Reddy, E and Madhav, M. R. (2006). An experimental study of variation of dispersion coefficient with depth – Column study. National Conference on Corrective Engineering Practices in Troublesome Soils (CONCEPTS), Kakinada 8-9 July, 2006, Theme-1, pp 1-4.
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- Engineered Landfill - A Case Study, GEOPRACTICE, IISc., Bangalore . p. 201 -206.
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 24. G.V Narasimha Reddy, Madhav M.R., **Saibaba Reddy, E.** (2006), Design Charts for Reinforced Earth Walls Using Horizontal Slice Method, National Conference on Corrective Engineering Practices in Troublesome soils, 8-9 July 2006. p. 15-18.
 25. Narasimha Reddy, GV., **Saibaba Reddy, E.** and Madhav, MR (2006) Design Charts for Stability of R.E. Walls using Horizontal Slice Method, National Conference on Corrective

- Engineering Practices in Troublesome Soils (Concepts), JNTUCE, Kakinada, India,15-18.
26. Narasimha Reddy, G.V., Madhav, M.R. and **Saibaba Reddy, E.** (2006) Design Charts for Pseudo-Static Seismic Stability of R.E. Walls using Horizontal Slice Method, Proceedings of Indian Geotechnical Conference (GEOINDEX), IIT, Chennai, India, 671-674.
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 28. G.V Narasimha Reddy, Saibaba Reddy, E., Madhav M.R.,(2005), Modelling of Leachate Flow-A Review, National Conference on Geotechnics in Environmental Protection, GEN-2005, M.N.I.T.Allahabad, 9-10th April, 2005. p. VIII 26- 31.
 29. E.C. Nirmala Peter and E. Saibaba Reddy (2004), Laboratory Model for the Determination of Dispersion Coefficient in Soils, Indian Geotechnical Conference, December 2004, organized at NIT Warangal P.529-532.
 30. Saibaba Reddy, E., Narasimha Reddy, G. V. (2004), Pollutant Spread in Layered Soil a National Conference on Ground Engineering and Emerging Techniques, I.G.C-2004, N.I.T.Warangal, 17-19th December 2004. p.519-521.
 31. Padmavathi, V., **Saibaba Reddy, E.** and Madhav, M.R. (2004), Behaviour of Rigid Batter Piles under Axial Loads Indian Geotechnical Conference IGC2004, Warangal, vol.1, p. 355-357.
 32. **E. Saibaba Reddy** (2004), Role of Geotechnical Engineering for the safe design of Structures, National Conference on Recent Advances in Structural Engineering 2004, Organised by JNTU College of Engineering, Anantapur, A.P., 9th September 2004, p. 48-59
 33. **E. Saibaba Reddy** and E.C. Nirmala Peter (2003), Effect of soil moisture on pollutant spread in sandy soil, Indian Geotechnical Conference 2003, to be held in December 2003 at Indian Institute of Technology Roorkee , India .
 34. **E. Saibaba Reddy** and P. Ram Reddy (2001), Natural and man-made disasters, National Conference on Disaster Prevention Mitigation and Management, Held at Institution of Engineers AP state centre, Hyderabad, 13-14th October 2001, p. 20-24.
 35. E. Saibaba Reddy and B. Ashok (2000), Effect of soil viscosity on Pollutant Transport an Experimental Studies, Workshop on Environmental Geotechnology (Soil Contamination

- Monitoring and Control), Organised by the Centre for Environmental Geotechnology, JNTU CEH and IGS Hyderabad Chapter, on March 22, 2000 at JNT Univ. Hyderabad.
36. E. Saibaba Reddy (1998), Failure of summer storage tank causes and remedial, Terzaghi-98, A seminar on the Geotechnical aspects of problematic soils for Buildings, Transportation and Irrigation structures, Organised by J.N.T. University, Hyderabad, 2 October, 1998, p. 171-177.
 37. J.R. Somayajulu and E. Saibaba Reddy (1998) Use of Lime Columns in soft and expansive soils - a field application, Terzaghi-98, A seminar on the Geotechnical aspects of problematic soils for Buildings, Transportation and Irrigation structures, Organised by J.N.T.University, Hyderabad, 2 October, 1998, p. 68 - 78.
 38. E. Saibaba Reddy and K. Rama mohan Rao (1996), Role of numerical methods in Civil Engineering, Conference on mathematics and its applications in Engineering and Industry, Dec. 16-18, 1996, Organized by the Department of Mathematics, University of Roorkee, India.
 39. M.V. Seshagiri Rao and **E. Saibaba Reddy** (1989), Over reinforced steel fiber, concrete beams, National Seminar on Recent Trends in Structural Engineering, JNTU College of Engineering, KAKINADA, March 1989.
 40. **E. Saibaba Reddy**, Pradeep Kumar and M.V. Seshagiri Rao (1989), Failure of a water tank due to improper soil investigation, National Symposium on Problematic Soils, Organized by JNTU College of Engineering. KAKINADA , 24-26 March 1989.
 41. M.V. Seshagiri Rao, **E. Saibaba Reddy** and Pradeep Kumar (1989), Comparative study of Silica fume and Rice husk ash concrete, National Seminar Organised by Institution of Engineers, Roorkee Chapter, December 1998.
 42. **Saibaba Reddy. E.**, (2011) Effect of Non Owen geo-textiles on CBR Values of Clay soil, National Conference of Recent Trends in Ground Improvements Techniques, CBRI, Roorkee, 24-25 February 2011.
 43. E.Rakesh Reddy, **E.Saibaba Reddy** and B.Haritha Reddy “A General Study on Life Cycle cost Analysis of Roads” at Visvesvaraya National Institute of Technology, Nagpur at National Conference on Advances in Construction Technology and Management on 19/02/2016.
 44. **E.Saibaba Reddy** and E.Rakesh Reddy “Model Studies on Improvement of lateral capacity of piles in sand” accepted for Indian Geotechnical Conference 2014 held at Kakinada , 18-20 december,2014.

- 45. E.Saibaba Reddy** and G.V.Narasimha Reddy “Determination of Shear Strength Characteristics Using Gravity Shear Box” at Conference on Numerical Modelling in Geomechanics on 03-04, March 2017 was organized by IIT Roorkee and Indian Geotechnical Society Roorkee Chapter at Indian Institute of Technology, Roorkee.
- 46. E.Saibaba Reddy**-Guest Lecture at National Seminar on Geotechnics for Irrigation projects organized by Indian Geotechnical Society Hyderabad Chapter and Dept of Civil Engineering, JNTUH Hyderabad.
47. Sina Borzooei, **E. Saibaba Reddy** and G.V. Narasimha Reddy (2014) Improvement of lateral and oblique pull-out capacity of piles in Sand – An experimental Study”, 1st National Congress on Soil Mechanics and Foundation Engineering” Shahid Rajaei Teacher Training University, Tehran, Iran, 3-4 December, 2014.
48. Sina Borzooei, **E. Saibaba Reddy** and G.V. Narasimha Reddy (2014) An experimental Study about influence of Viscosity of fluid on spread of Contaminant in Sand deposits”, 1st National Congress on Soil Mechanics and Foundation Engineering” Shahid Rajaei Teacher Training University, Tehran, Iran, 3-4 December, 2014.

Seminars/Conferences Attended (50)

National 30

International 20

Seminars/Conferences Organised (10)

National (30)

- 1 Indian Geotechnical Conference - 85, December 1985, University of Roorkee.
- 2 Indian Seminar on Modern Trends in Low Cost Housing, Organised by Institution of Civil Engineers, Visakhapatnam center, 24-25 June 1989.
- 3 National Symposium on Problematic Soils, Organized by JNTU College of Engineering. KAKINADA , 24-26 March 1989.
- 4 Conference on mathematics and its applications in Engineering and Industry, Dec. 16-18, 1996, Organized by University of Roorkee, India
- 5 A seminar on the Geotechnical aspects of problematic soils for Buildings, Transportation and Irrigation structures, Hyderabad, 2 October, 1998.
- 6 National Seminar on Recent advances in Concrete Technology Organised by Institution of Engineers, Roorkee Chapter, December 1998.
- 7 Workshop on Environmental Geotechnology (Soil Contamination Monitoring and

Control), Organised by the Centre for Environmental Geotechnology, JNTU CEH and IGS Hyderabad Chapter, on March 22, 2000 at Hyderabad.

- 8 Indian Geotechnical Conference -2000, December 2000, IIT Bombay.
- 9 National Conference on Disaster Prevention Mitigation and Management, Held at Institution of Engineers AP state centre, Hyderabad, 13-14th October 2001
- 10 Shamshare Prakash Research Award Lecture, 23rd April 2001, IIT, Roorkee.
- 11 National Seminar on Recent Advances in Geotechnical Engineering, 31st July 2002, Hyderabad.
- 12 Indian Geotechnical Conference 2003, Organised by Indian Institute of Technology Roorkee , India .
- 13 National Conference on Recent Advances in Structural Engineering 2004, JNTU College of Engineering, Anantapur, A.P., 9th September 2004.
- 14 National Conference on Recent Advancements in Civil Engineering (RACE), 29-30 Dec, 2003, KITS, Warangal.
- 15 National Workshop on “An Overview of Geo-environmental Engineering” 15-16th December 2004, Hyderabad.
- 16 Indian Geotechnical Conference (IGC) 17-19th Dec.2004 NIT Warangal, A.P.
- 17 GEOPRACTICE, IISc., Bangalore . 2005
- 18 Indian Geotechnical Conference IGC 2005, Dec. 2005, Ahmadabad
- 19 National Conference on Geotechnics in Environmental Protection, GEN-2005, M.N.I.T.Allahabad, 9-10th April, 2005.
- 20 National Conference on Corrective Engineering Practices in Troublesome soils, 8-9 July 2006.
- 21 Indian Geotechnical Conference (GEOINDEX), 14-16, December 2006, IIT Madras, Chennai.
- 22 First Indian young Geotechnical Engineers Conference, 2-3 March 2007, Hyderabad, India.
- 23 Symposium on Engineering of Ground and Environmental Geotechnics (S EG2), 29th Feb- 1 March 2008. Hyderabad.
- 24 Indian Geotechnical Conference, 17-19, December, 2008 (GEOAGE-2008), IISc, BANGALORE .
- 25 National work Shop on Hydrogen & Fuel cell Technologies for future energy option, Hyderabad,.22nd and 23rd December 2008.
- 26 National Seminar on “Recent Advances in Geotechnical Engineering”, 19th September 2009, Hyderabad.
- 27 National Workshop on Geotechnics for Infra-Irrigation and Tall structure, 21st November 2009, Hyderabad..
- 28 2 Day Workshop on Gomatic Applications for Water Resources Management GeoWARM- 2009. 16-17 March 2009.

- 29 Workshop on Soil Investigations – Case Studies, Organised by Andhra University, IGS Visakhapatnam Chapter, Visakhapatnam, 1-2 October 2010
- 30 National Conference of Recent Trends in Ground Improvements Techniques, CBRI, Roorkee, 24-25 February 2011

International (20)

- 1 Numerical Methods in Geotechnical Engineering, Seminar organised by University of Nottingham, U.K. , March 1991.
- 2 International Conference on Geotechnical Engineering, University of Teknologi Malaysia, Johar Bahru, Malasia, 21-23, April 1992.
- 3 Technical meeting Organised by East Midlands (England) Geotechnical research group at Nottingham Polytechnic, 4 June 1992.
- 4 International symposium on Hard Soils and Soft Rocks, Athens Greece, 20-23 Sep. 1993.
- 5 6th International Conference and Exhibition on Piling and Deep foundations, Organised by Deep Foundations Institute in Association with ASSMFE, 15-17, January 1996.
- 6 Asia-Pacific Conference on offshore systems, Organized by Mara Institute of Technology, Kuala Lumpur, Malaysia, 10-11 Dec. 1996.
- 7 4th International Conference in Civil Engineering, Sharif University of Technology, Tehran, Iran, May 4-6 1997.
- 8 International conference on Disaster management, Guwahati , 23-26, April 1998.
- 9 International Conference on Low-Land Technology, Japan , November 1998.
- 10 12th African regional Conference, Rivonia, South Africa, November 1999.
- 11 International Conference on Remote Sensing and GIS/GPS, Hyderabad 2-5, February 2001.
- 12 4th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego , California March 26-31, 2001.
- 13 International Conference on Industrial Pollution and Control Technologies (ICIPACT 2001), 7, 8 and 10 December 2001, Hyderabad.
- 14 3rd International Conference on Hydrology and Watershed Management, 3-6 Feb. 2006, Organised by Centre for Water resources, Institute of Science and technology, Hyderabad.
- 15 13th Asian Regional Conference 2007, Kolkata.
- 16 International Workshop on Weather Modification Technologies & Symposium on Natural Disaster Management, 27-29 June, 2008.
- 17 International Symposium on Geo-environmental Engineering ISGE – 2009, September 8 – 10, 2009, Hongzhou, China.
- 18 International Conference on Soil Mechanics and Geotechnical Engineering, 5-9, October, 2009, ALEXANDRIA, EGYPT.
- 19 2nd International Conference on Environmental Management Oct. 25-26, 2010, Hyderabad.
- 20 International Workshop: Thermoregulatory Sensing Analogies Between Skin, Plants, and Soils – Research Challenges and Opportunities, March 9-10, 2011, London, UK.

Seminars/Conferences/Symposia/Workshops organized (10)

- National Workshop on the Geotechnical aspects of Problematic soils for Buildings, Transportation and Irrigation Structures 2nd October 1998.
- National Workshop on Environmental Geotechnology (Soil Contamination Monitoring and Control) 22nd March 2000.
- International Conference on Remote Sensing and GIS/GPS, Hyderabad 2-5, February 2001.
- National Seminar on Recent Advances in Geotechnical Engineering, 31st July 2002, Hyderabad.
- National Workshop on “An Overview of Geo-environmental Engineering” 15-16th December 2004, Hyderabad.
- First Indian Young Geotechnical Engineers Conference, 2-3 March 2007.
- Symposium on Engineering of ground and Environmental Geotechnics (S EG²), 29th Feb-1st March 2008.
- International Workshop on Weather Modification Technologies & Symposium on Natural Disaster Management, 27-29 June, 2008.
- National Seminar on “Recent Advances in Geotechnical Engineering”, 19th September 2009.
- National Workshop on Geotechnics for Infra-Irrigation and Tall structure, 21st November 2009.