

PROFORMA FOR TEACHING STAFF PROFILE

1. Name : Dr. K. Ramu
2. Designation : Associate Professor
3. Department : Civil Engineering Department
4. Date of Birth : 01-06-1969
5. Date of joining JNTU Service : 28-03-1995
6. Residential Address : Dr. K. Ramu,
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7. Phone No. Office : 0884-2351664
 Residence :
 Mobile : 9848282931
8. Mail id. : kramu2k@rediffmail.com
9. Blood Group :
10. Qualification : B.Tech.,
 M.Tech,
 Ph.D.
11. Experience : 14 Years
 a) Teaching : 14 Years
 b) R&D : 12 Years
 c) Industrial : Nil
 (List Enclosed)
12. Field of specialization : Geotechnical Engineering
13. Subjects of interest (teaching) : Soil Mechanics, Foundation Engineering,
Ground Improvement Techniques, Numerical
Modelling in Geotechnical Engineering,
Stability of Earthretaining Structures and Slopes,
Engineering Mechanics, Mechanics of Solids,
Geosynthetics, Geotechnical Earthquake

		Engineering, CAD, C & Data Structures,
14	No. of Scholars	: 02
.	a) Awarded with Ph.D.	: --
	b) Working for Ph.D.	: 02
15.	No. of M. Tech Projects guided	: 15 (List enclosed)
16	Awards received	: International Geosynthetic Society Student Award for Ph.D Research workcarried out at IIT., Kanpur, received at 7 th International Conference on Geosynthetics, Nice, France.(2002).
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17	Titles of books authored	: --
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18	Membership of Professional bodies	: MISTE, MIGS
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19.	Member Curriculum development Bodies (such as BOS)	: Nil
20.	Any other distinctions	: Worked as NSS – Coordinator, Sports Coordinator, Consultancy in-Charge of Soil Mechancis Wing.
21.	No. of Conferences / Workshops organized as Coordinator/Chairman (enclose the list)	: 02 (List enclosed)
22.	Publications (enclose the list in the given order)	: 20
	<i>I. Journals</i>	
	a) Nationals	: --
	b) International	: 01
	<i>II Conferences</i>	
	a) Nationals	: 10
	b) International	: 09(List Enclosed)
23.	Course / Conference attended (enclose the list)	: 20
	a) Refresher courses	: 06
	b) Orientation courses	: 03
	c) Conferences	: 08+03 (List Enclosed)
24.	R&D Projects	: --

25. Countries visited on academic activity : Attended at 7th International Conference on Geosynthetics, Nice, France.(2002) to receive International Geosynthetic Society Student Award

Experience:

Sl. No.	Designation	College	Duration
1.	Lecturer	Kavikulaguru Institute of Technology, Ramtek, Maharashtra	2 nd August 1994 to 23 rd March 1995
2.	Lecturer	JNT University College of Engineering, Kakinada	28 th March 1995 to March 2004
3.	Assistant Professor	JNT University College of Engineering, Kakinada	March 2004 to Till to date

Details of Educational Qualifications:

Sl. No.	Course	University	Year	Specialization	Marks
1.	B. Tech.	Nagarjuna University	1992	Civil Engg.	78.9/100
2.	M. Tech.	REC, Warangal	1994	Geo. Tech. Engg	75.6/100.00
3.	Ph. D.	IIT, Kanpur	2001	Geo. Tech. Engg	9.10/10.00

Development Activities:

Laboratory In-charge:

Soil Mechanics Laboratory: July 1996 – July 1997
April 2004 – July 2006

Survey Lab In-charge : July 2001 – April 2004

Computer Lab In-charge : December 2000 - April 2005

Time Table in-charge : December 2000 – January 2006

Administrative Activities:

NSS Coordinator: May 2002 – September 2002

Sports Coordinator: September 2005 – October 2006

Consultancy Incharge of Soil Mechancis Division : April 2004 - July 2006

PUBLICATIONS

International Journals: (one)

Ramu, K., Madhira R. Madhav and H.B. Poorooshasb (Accepted for Publication). New Finite Deformation Model for Reinforced Granular Fill over Super-Soft Reclaimed Ground: I Uniformly Loaded Strip. Journal of Lowland Technology.

International Conferences: (nine)

1999

Ramu, K., Madhav, M.R. and Poorooshasb, H.B. 1999. Finite Strain Theory for Response of Granular Bed Overlying Soft Ground, Fourth Asia-Pacific Conf. On Computational Mechanics, APCOM '99, Singapore

2000

Madhav, M.R., Ramu, K., Poorooshasb, H.B. and Miura, N. 2000. Reclamation of Soft Ground with Geosynthetic Reinforced Granular Fill. Int. Conf. on Ground Impr. and Geosynthetics, Helsinki, Finland, pp.397-40

Ramu, K. and Madhav, M.R. 2000. Modelling of reclamation of soft ground by geosynthetic layer beneath the granular fill. EuroGeo 2, Second European Geosynthetic Conf. & Exhibition, Bologna.

Ramu, K., Madhav, M.R. and Poorooshasb, H.B. 2000. A Study of Process of Reclamation of Soft Ground with Geosynthetic and Granular Fill. Int. Symp. on Lowland Technology, Saga, ISLT 2000, pp.199-206

2002

Ramu, K. and Madhav, M.R. 2002. Modelling of Reclamation based on extended Cable Theory . Int. Symp. on Lowland Technology, Saga, ISLT 2002.

2004

Ramu, K and Madhav, M.R. "A Generalised Model for Reclamation of Soft Ground", Proc. Of Int. Symp. on Lowland Technology, Bangkok, ISLT 2004.

2007

Ramu, K and Hari Kishore, V. " A Laboratory Study of Flyash Columned Bed in Expansive Soil", Proc. of International conference on Civil Engineering in the New Millennium: Opportunities and Challenges" CENeM -2007, during January 11 - 14, 2007, held at Bengal Engineering & Science University, Howrah 711 103, INDIA

Ramu, K., Vardhan, V.V.S. and Rama Subba Rao, G.V. " Utilisation of Murrum as Embankment Material", Proc. of International conference on Civil Engineering in the New Millennium: Opportunities and Challenges" CENeM -2007, during January 11 - 14, 2007, held at Bengal Engineering & Science University, Howrah 711 103, INDIA

2008

Madhira R. Madhav & K. Ramu, (Key note paper). Modelling Reclamation Process and Its Response to Applied Loads. IACMAG, GOA. October 2008

National Conferences: (Ten)

2001

Ramu, K., Madhav, M.R. 2001 Embankment Deformations using finite deformation theory, Held at Calcutta. IGC2001

2002

Ramu, K. and Madhav, M.R. 2002. Finite difference model for Response of footing resting granular bed overlying soft ground. Proc. Of Indian Geotechnical Conference, 2003, held at Allahabad, pp. 353-356.

2003

Ramu, K. and Madhav, M.R. 2003. Reclamation of soft ground with geosynthetic Reinforced granular fill. Symp. on Advances in Geotechnical Engineering , IITK, Kanpur, pp. 51-60

Ramu, K and Lilly Padmaja Joshi, M , Effect of Granular Columns in the Soft Ground on Liquefaction. Proc. of Indian Geotechnical Conference, 2003, Roorkee.

2004

Ramu, K., Srirama Rao, A. and Suresh, K. "Load - Settlement Characteristics of Geogrid - Fiber Reinforced Sand Bed Over a Soft Clay" Proc. of Indian Geotechnical Conference, 2004, Warangal.

2006

Ramu, K. "Load Tests on Soft Subgrades with Granular Piles", Proc. of National Conference on Corrective Engineering Practices in Troublesome Soils", 8-9 July 2006, Kakinada. Pp. 211-213.

2007

Chakravarthi, V.K., Ramu, K. and Madhav, M.R. "Transverse Pull Effect of Reinforcement on Stability of Basal Reinforced Embankment - A Comparative Study" First Young Geotechnical Engineers Conference, during 2 and 3rd march 2007, held at Hyderabad, INDIA

2008

Chakravarthi, V.K., Ramu, K. and Madhav, M.R. "Stability of Reinforced Embankment under Oblique Pull of Sheet Reinforcement. Symposium on Engineering Ground & Environmental Geotechnics, SEG-2008, during Feb. 29-Mar. 1, 2008, held at JNTU College of Engineering, Hyderabad, INDIA.

Dayakar Babu, R. and Ramu, K. "Mitigating Heave of Expansive Clay Beds Using Lime Stabilized Blast Furnace Slag (BFS) Cushion" Proc. of Indian Geotechnical Conference, 2008, IISC., Bangalore.

Ramu, K. and Udaya Bhaskar, P. "Failure of side slopes of an Open Foundation during Construction - A Case Study of Sump Well of Main Pumping Station of STP, Rajahmundry, A.P., India. Proc. of Indian Geotechnical Conference, 2008, IISC., Bangalore.

Short Term Courses Attended:

S.No	Name of the Course	Place	Date and Duration of the Course
1	Engineering of Ground	Indian Institute of Technology, Kanpur	May 12 th to 17 th , 1997
2	Business Intelligence for Decision Making, AHP & Fuzzy Logic	Indian Institute of Technology, Kanpur	May 21 st to 25 th , 2001
3	Spatial Information Technology	Academic Staff College, JNTUniversity, Hyderabad	August 3 rd to 25 th , 2001
4	Spatial Information Technology	Academic Staff College, JNTUniversity, Hyderabad	May 2 nd to 22, 2002
5	Geotechnical Earthquake Engineering	Indian Institute of Technology, Madras, Chennai	July 14 th to 19 th , 2003
6	Geotechnical Earthquake Engineering	Indian Institute of Technology, Madras, Chennai	July 5 th to 9 th , 2004
7	Advanced Geotechnical Analysis	Indian Institute of Technology, Madras, Chennai	July 12 th to 16 th 2004
8	Geo-graphical Information System & Remote Sensing	Bharathiar University	October 24 th to November 7 th 2004
9	Environmental Management	Academic Staff College, JNTUniversity, Hyderabad	November 17 th to December 7 th 2004

DETAILS OF CONFERENCES ORGANISED

1. **Organising Secretary**, National Level Student Paper Contest on Recent Advances in Civil Engineering (RACE) is Organized on 1st October 2005.
2. **Organising secretary** to the Seminar on Case studies in Engineering soils held at Department of Civil Engineering, JNTU College of Engineering, Kakinada on 2nd October 2007.
3. **Joint Organising Secretary**, National Seminar on Soil Problems in Construction Engineering, 19th October, 2008, JNTU College of Engineering, Kakinada
4. **Joint Organizing Secretary**, First Young Geotechnical Engineers Conference, during 2 and 3rd march 2007, held at JNTU College of Engineering, Kukatpally, Hyderabad, INDIA as a net work activity.
5. **Treasurer**, Conference on Corrective Engineering Practices in Troublesome Soils, (CONCEPTS-2006), 8-9 July, 2006, JNTU College of Engineering, Kakinada.
6. **Member** of Organizing Committee of Terzaghi – 1996
7. **Member** of Organizing Committee of GREAT – 2001

Conferences and Seminars Attended

1. Indian geotechnical Conference – 2001, held at Indoor, 2001
2. 7th International Conference on Geosynthetics, held at Nice, France.(2002).
3. Indian geotechnical Conference – 2002, held at Allahabad, 2002
4. Symp. on Advances in Geotechnical Engineering , IITK, Kanpur, 2003
5. Indian geotechnical Conference – 2003, held at Roorkee, 2003
6. Indian geotechnical Conference – 2004, held at Warangal, 2004
7. Internatinal conference on Civil Engineering in the New Millenium: Opertunities and Challenges” CENeM -2007, during January 11 – 14, 2007, held at Bengal Engineering & Science University, Howrah 711 103, INDIA
8. First Young Geotechnical Engineers Conference, during 2 and 3rd march 2007, held at Hyderabad, INDIA

Workshops/Training Programs attended:

1. One-day Workshop on Improvement of Weak Soils held at GVP, Visakhapatnam, 2006
2. International Course on Computational Geotechniques held at IIT-Madras, Chennai during 21st to 23rd febraury 2007.
3. Workshop on Ground improvement held at JNTU Anapatur 25th July 2007

Courses Taught:

M.Tech

Advance Soil Mechanics (Two)
Earth Retaining Structures (One)
Foundation Engineering – I (One)
Numerical Methods in Geotechnical Engineering (Five)
Soil Dynamics and Machine foundations (One)
Engineering with Geosynthetics (One)
Computer Aided Analysis & Design (Three)

B.Tech

C - & Numerical Methods (One)
Introduction to Computers (One)
C & Data Structures (One)
Engineering Mechanics (Two)
Strength of Materials (Three)
Fluid Mechanics (One)
Advanced Strength of Materials (One)
Geotechnical Engineering (Three)
Foundation Engineering (Two)
Advanced Foundation Engineering (one)
Soil Dynamics and Machine foundations (Three)
Computer Aided Analysis & Design (Three)

Computer Skill:

Operating Systems : Windows, UNIX, LINUX
Launguages : FORTRAN, BASIC, PASCAL, C, C++
Packages : Office, STRAP, STUDDS, GNU Plot, ANSIS, PLAXIS
etc.,

Guiding Ph.D

1. V.K.Chakravarthi, Associate Profssor & Head, Department of civil Engineering, GMRIT, Rajam
Topic: Stability of Basal Reinforced Embankments considering Oblique Pull in the Reinforcement Layer.
2. RajyaLaxmi, Lecturer, Department of Civil Engineering, Govt., Poly Technique, Visakhapatnam.
Topic: Settlement Responses of Footings on Reinforced Sand over Soft Clay.

M. Tech Projects

S. No.	Name	Title of dissertation	Completed during the year
1	M. Appa Rao	<i>Minimization of Heave using geogrid with granular pile anchor</i>	June 1996
2	P.Asritha	Prediction of settlement of stone column reinforced ground	June, 2002
3	G. RajKumar	Load tests on reinforced soft sub grades with granular piles	May, 2002
4	M.Lilly Padmaja Joshi	Modelling of composite ground densified with compacted granular columns against forces during Earth Quake	December, 2002
5	M.B.R.Prasad	Bearing capacity tests on granular layer over wear subgrades	January, 2003
6	Kandru Suresh	Load-Deflection characteristics of geogrid and fibre-reinforced sand beds overlying soft clay	July, 2003
7	Prabhakar	A Study on Effect of Over Consolidation pressure on Strength Parameters	July, 2003
8	V. Timrumala Setty	A study on Flyash mixed Gravel	July, 2003
9	A. Suresh Kuimar	A Study on consolidation Behaviour of Clay with Prefabricated Vertical Drains	April 2004
10	Naveen Kumar Reddy, k	A Study on the Optimum Lime content and Effect of Clay Water Lime ratio on soils at different Moulding water contents	January 2005
11	M. Ganesh	Stability Analysis of Hill Slope – A Case Study	August 2005
12	V.V.V.S. Vardhan	Correlation Studies on Large and Small Scale Tri-axial Tests	September 2005
13	V. Hari Kishore	Effect of Vertical Columns on Heave of Expansive Soils	January 2006
14	K. Kavitha	Stability of Basal Reinforced Earthen Embankment by considering Oblique Pull	October 2006
15	Gatti Satyanarayana	A Field Study on Improvement in Bearing Capacity by Surcharge Pressure Created with Fill above the ground level to Raise Floor Level	December 2006