



RAJARAJESWARI COLLEGE OF ENGINEERING

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Recognized by the AICTE, New Delhi)

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GEOGRIDS- CEA NEWSLETTER DEPARTMENT OF CIVIL ENGINEERING

June 2014

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VISION

College: To emerge as one of the top ten Technical and Management Institution in the State of Karnataka by 2018

Department: To excel in undergraduate instruction in all areas of Civil Engineering with excellent professionalism, sound and technical knowledge and in service to the public to meet technological demands economically and ethically.

MISSION

College: To consistently strive for academic excellence to become a leading Institution in the field of Engineering, Management and Research and produce competent and ethically sound man power for the benefit of industry, society, nation and the global environment

Department:

To attain quantifiable excellence in providing technical education
To motivate incumbent's research oriented
To provide adequate practical knowhow's with good field training
To motivate the students for ethical practices in Civil Engineering

From Principal's Desk

The Civil Engineering Department has to meet all social needs like good shelter, water facility, transport facility, good environmental and many more. I am confident that the Department of Civil Engineering is proficient enough to provide all these and produce qualified Civil Engineers to be a great driving force in the progress of society.

From HOD'S Desk

The Department of Civil Engineering has full-fledged and well qualified faculty members in various disciplines of Civil Engineering to meet the demands of the society. Faculty members are encouraged to publish Technical Papers in National, International Conferences and Journals. Apart from class room teaching, the students are exposed to seminars on recent advancements in various fields by eminent persons in the field of Civil Engineering. I am sure these measures will enhance the production of quality Civil Engineers with good professional ethics.

CIVIL ENGINEERING ASSOCIATION –GEOGRIDS

- ❖ Two days National Conference on Innovations & Challenges in Civil Engineering at RRCE Bangalore on 27 to 28th September 2013.
- ❖ One day Workshop on Total Station conducted on October 25th 2013.
- ❖ Five days Faculty Development Programme on Recent Trends in Civil Engineering at RRCE from 16 – 20th December 2013
- ❖ One day Technical Events for students conducted on 25/03/2014.
- ❖ Technical Guest Lecture on Software Application on Civil Engineering Delivered by Dr. M. N Hegde Prof. Civil Engineering, Dr.AIT, Bangalore on 25/03/2014.
- ❖ Seminar on employment opportunities in built sector was organized for Civil Engineering Students on 25/03/2014. The seminar was delivered by Mr.Shekar & Monalisa from RICS, New Delhi.
- ❖ Students Achievements: Sumedh Padamvar is qualified in gate 2014 exam.

Two Days National Conference on Innovations & Challenges in Civil Engineering On 27th & 28th September 2013



Inauguration of the Conference by Dignitaries



Dr.H.S Govardahna Swamy addressing the Conference

SURVEY CAMP-2014

The survey camp was conducted in 2nd January 2014 to 13th January 2014 in Savanadurga. RRCE Department of Civil Engineering 6th semester students. H.Vijayakumar and D.P.Anup will be the camp officer and all the faculty members are also staying in Savandurga and give the guidance to the students.



FINAL YEAR ACADEMIC PROJECT 2013-14

SI No.	NAME OF THE STUDENT	TITLE OF THE PROJECT	GUIDE
1	Shreyas H N	River water pollution: A case study on Tunga River at Shimoga.	Dr. H. S. GOVARADHANA SWAMY
	Shashi Kumara S G		
	Sudhir Babar		
	Nagesh K B		
2	Raksha H L	Use of Geosynthetics reinforcement in embankments.	Prof. V. A. KUMARESAN
	Lakshitha S		
	Sneha D		
	Satish.H.M.		
3	Sudha K	Modern Methods of Underpinning	Prof. V. A. KUMARESAN
	Deepak M		
	Kavitha M D		
	Roopa H V		
4	Sumedh Padmawar	Analysis of multi storied residential building / shopping complex.	Prof. H. VIJAYKUMAR
	Bharath S		
	Shanta U		
	Vikas T H		
5	Shruthi S	Experimental study on Recycled Aggergate Concrete.	Prof. H. VIJAYKUMAR
	Priyanka G		
	Gangambika C N		
	Meghashree.A.		
6	Mahesh	Structural failures, Repairs & Rehabilitation Techniques.	Prof. M. C. MALARVIZHI
	Edison		
	Sangamesh		
	Sidrama Chandaki		
7	Deepu B C	Study on Flyash based self compacting concrete	Prof. D. P. ANUP
	Jayapal G D		
	Ram Kumar M		
	Ranjitha G S		
8	Chiranjith Shetty	Performance of concrete using Mangalore tiles with copper slag	Prof. D. P. ANUP
	Raviprakash D		
	Shashi Kumar B		
	Shruthi B G		

Contd.

FINAL YEAR ACADEMIC PROJECT 2013-14 (Continued)

9	Akash Raj B P	Ground improvement by use of geosynthetics	Prof. C. S. TEJASWINI
	Manjunath N		
	Sachin H R		
	Santhosh Kumar.S.N.		
10	Apung Tarak	Seismic response of multistory buildings.	Prof. M. R. TANUJA
	Tejaswini N		
	Zabi Ulla Shariff		
	Varsha S Nidhish		
11	Kiran S	Ground water quality analysis in the selected area of Bangalore city - An experimental Approach	Prof. H. SOWMYA
	Rashmi.Y.R		
	Nagendra K		
	Karthik H B		
12	Ashok Subba	Design & analysis of multistorey complex building.	Prof. N. VEENA
	Heera Kumar		
	Tilakaraj R		
	Yaseen Khan		
13	Anilkumar Y S	Use of alternative material for preparation of cement concrete.	Prof. C. R. LASYA
	Kiran Kumar R		
	Mahendra Kumar H J		
	Shashidara B M		
14	Pramod Kumar.B	Level of Service	Prof. G.K.KAMALAKARA
	Nagesh		
	Jeevan R		
	Abhishek H C		
15	Pruthvik R Gupta	Accident Analysis	Prof. G.K.KAMALAKARA
	Tharun M		
	Madan kumar R.		
	Akash D Y		
16	Jayashree L	DTCP regulations for real estate – Mapping & Analysis using GIS.	Prof. SHRADDHA V. K.
	Kalyani K		
	Mamatha K		
	Sushmitha S		

FACULTY DEVELOPMENT PROGRAMME (FDP)

RECENT TRENDS IN CIVIL ENGINEERING

SESSION 1 – INAUGURATION

DAY	DATE	TIMINGS	TOPICS
Monday	16/12/2013	10am -11am	Inauguration of FDP

SESSION 2 -STRUCTURAL ENGINEERING

DAY	DATE	TIMINGS	TOPICS
Monday	16/12/2013	11am -12noon	Application of Fracture mechanics to Concrete Prof. H. Vijaykumar
		1.30pm-2.30pm	Truss Optimization Techniques using ANSYS: Prof. M. R. Tanuja
		2.30pm-3.30pm	Comparative study of effect of wind & seismic loads on cooling tower with A & H frame column support Prof. N. Veena
Tuesday	17/12/2013	10am -11 am	Analysis & Design with STADDPRO Prof. D. P. Anup
		11am -12noon	Design of Steel Structures: Prof. H. Vijaykumar

SESSION 3 –WATER RESOURCES ENGINEERING

DAY	DATE	TIMINGS	TOPICS
Tuesday	17/12/2013	1.30pm-2.30pm	Probabilistic analysis of concrete Gravity Dam – A case study Prof. H. Sowmya
		2.30pm-3.30pm	Geophysical methods Prof.C. R. Lasya

SESSION 4 –GEOINFORMATICS

DAY	DATE	TIMINGS	TOPICS
Wednesday	18/12/2013	10am -11 am	Geosynthetics as Reinforcement Material Prof. V. A. Kumaresan
		11am -12noon	Remote Sensing & GIS Applications to Civil Engg Prof. V. K. Shradha

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FACULTY DEVELOPMENT PROGRAMME (FDP) - Continued

RECENT TRENDS IN CIVIL ENGINEERING

SESSION 5 –TRANSPORTATION

DAY	DATE	TIMINGS	TOPICS
Wednesday	18/12/2013	1.30pm-2.30pm	Development of flexural fatigue model in the Design of HVFAC pavements Prof.G. K. Kamalakara
		2.30pm-3.30pm	General Aspects of Airport Engg Prof. M. C. Malarvizhi

SESSION 6 –ENVIRONMENTAL APPLICATION

DAY	DATE	TIMINGS	TOPICS
Thursday	19/12/2013	10am -12noon	Air Quality Trend Analysis – A case study Bangalore city Prof. C. S. Tejaswini

SESSION 7 –MODERN ASPECTS OF CIVIL ENGINEERING

DAY	DATE	TIMINGS	TOPICS
Thursday	19/12/2013	1.30pm-3.30pm	Structural Applications of Smart Materials Prof. M. C. Malarvizhi

SESSION 8 –EDUCATION SYSTEM & NBA

DAY	DATE	TIMINGS	TOPICS
Friday	20/12/2013	10am --12noon	Outcome Based Education System Dr. H. S. Govardhana Swamy
		1.30pm-3.30pm	NBA Files preparation: An overview Dr. H. S. Govardhana Swamy