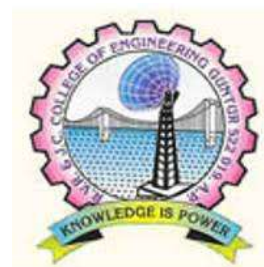




BEFORE IRRIGATION

CIVIL ENGINEERING DEPARTMENT NEWS LETTER

2014-15 |JAN - JUNE2014|



HOD s Message:



This newsletter published for the year 2014-15 is dedicated entirely to the subject of Water Resources Engineering. Especially irrigation .Current edition is entirely dedicated to the various methods used before irrigation across the World.

DEPARTMENT VISION

"To enrich the society through Civil Engineering education for socio-economic development and welfare of the people."


DEPARTMENT MISSION

"An integrated development of Civil Engineering Professionals with technological knowledge and managerial skills; possessing environmental, ethical and human values".



Program Educational Objectives

Upon graduation, students of the program will:

- I. To provide basic scientific training to the students so as to solve Civil Engineering problems with scientific outlook rather than mere continuation of traditional practices.**
 - II. To provide training in basic engineering sciences so that students apply the concepts of basic engineering sciences to the solution of Civil Engineering problems.**
 - III. To train the students in the broad areas of Civil Engineering and inter-disciplinary areas.**
 - IV. To mould the students professionally competent with managerial and communication skills.**
 - V. To train the students to mitigate natural /environmental disasters and to inculcate professional ethics and human values.**
- 



Program Outcomes

- Graduates will have an ability to apply the knowledge of basic sciences like Physics, Mathematics and Chemistry for the solution of Civil Engineering Problems.
- Graduates will have sound knowledge in basic engineering sciences like Engineering Mechanics, Solid Mechanics, Fluid Mechanics to solve Civil Engineering problems.
- Graduates will have generalized knowledge in Civil Engineering and interdisciplinary knowledge to design and execute Civil Engineering Projects.
- Graduates will have an ability to design and conduct experiments as well as to analyse and interpret data.
- Graduates will have an ability to demonstrate knowledge and understanding of engineering and management principles and apply these principles in their profession.
- Graduates will have an ability to identify, formulate and solve engineering problems.
- Graduates will have requisite knowledge to pursue Post-graduate / Research Programmes and for life-long learning.
- Graduates will have computational and drafting skills.
- Graduates will be professionally competent with managerial and communication skills.
- Graduates mitigate environmental problems and natural disasters like earthquakes, cyclones and floods.
- Graduates perform professional duties with environmental, ethical and human values.
- Graduates will have broad education necessary to understand the impact of Civil Engineering solutions in global societal context.

*Shall We Start
Digging The
Information*

!!!!!!!!!!!!

Moat



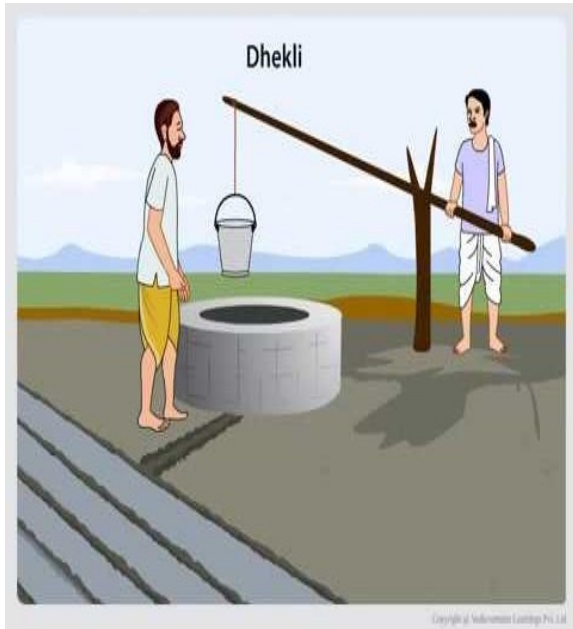
- Also called the pulley system, it involves pulling up water from a well or other such source to irrigate the land.
- It is an extremely time consuming and labour intensive system, but it is very cost efficient.
- Also, wastage of water is avoided when using a moat system of irrigation.

Chain pump

- A chain pump consists of two large wheels connected by a chain.
- There are buckets attached to the chain. One part of the chain dips into the water source.
- As the wheel turns, the bucket picks up water.
- The chain later lifts them to the upper wheel where the water gets deposited into a source.



Dhekli



- The Tower is founded on It is a system of drawing water from a well or such similar source.
- Here we tie a rope and bucket to a pole.
- At the other end, we tie a heavy stick or any other object as a counterbalance.
- And we use this pole to draw up water.

Rahat

- Rahat system of irrigation uses animal labour.
- Above the well, we tie a large wheel.
- An ox or cow would turn the wheel to draw the water from the well.



DEPARTMENT OF CIVIL ENGINEERING

Results Analysis :

Year	Total Appeared	Total Passed	Pass percentage
II/IV B.Tech	138	97	70.29
III/IV B.Tech	126	101	80.15
IV/IV B.Tech	146	145	99.32

GATE -2014 Results :

S.No	Name of the Dept.	No of students qualified	Highest AIR
1	Civil Engineering	26	980

4. Research Papers Published in Journals :

• VenkataSairam Kumar N, Assistant Professor , R,Surendrababu, Associate Professor, J. UshaKranthi Assistant Professor Civil Engineering Department “ Shear walls- A Review” International journal of engineering research science and technology, Vol. 3, Issue 2, February 2014, PP:9691-9694.

Seminars/Workshops/Conferences attended by the Faculty

- *Dr.K.Srinivasu Professor and Head of the Department Attended workshop on 'NPTEL online certification courses' organized by IIT, Madras on 25th February 2014.*
- *Dr.K.Srinivasu Professor and Head of the Department Attended workshop on "Outcome based Education" Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.*
- *Dr.K.Srinivasu Professor and Head of the Department attended one day national seminar on "Problems Associated with Geotechnics of Expansive soils" Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014.*
- *Dr.K.S.Sairam, Professor attended workshop on "Outcome based Engineering Education" Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.*
- *Dr. M. Rama Rao, Professor attended workshop on "Outcome based Engineering Education" Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.*
- *P. V. S. Maruthi Krishna , Associate Professor attended workshop on "Outcome based Engineering Education" Organized R.V.R.J.C College of*

Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.

- R. Surendra Babu attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- M. L. N. Krishna Sai Assistant professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- J. Usha Kranti, Assistant professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- M. Srikanth Kumar Assistant professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- S.V. Satya Narayana, Assistant professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- Venkata Sairam Kumar N, Assistant Professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of

Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.

- Samatha Chowdary P, Assistant Professor attended workshop on “Outcome based Engineering Education” Organized R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 6th June 2014.
- Dr.K.S.Sairam, Professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- Dr. M. Rama Rao, Professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- P. V. S. Maruthi Krishna , Associate Professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- R. SurendraBabu Associate Professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of

Engineering, at R.V.R.J.C College of Engineering on 25th January 2014.

- M. L. N. Krishna Sai Assistant professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- J.UshaKranti, Assistant professor attended one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- M.Srikanth Kumar Assistant professor one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- S.V. Satya Narayana, Assistant professor one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014
- VenkataSairam Kumar N, Assistant Professor one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-

Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014

- *Samatha Chowdary P, Assistant Professor one day national seminar on “Problems Associated with Geotechnics of Expansive soils” Organized by IGS-Guntur Chapter and R.V.R.J.C College of Engineering, at R.V.R.J.C College of Engineering on 25th January 2014*
- *R. Surendra Babu Associate Professor attended workshop on “NDT Techniques for assessment of Reinforced concrete structures” Organized by Centre for Disaster Mitigation and Management, VIT university Vellore on 21st February 2014.*

Seminars/workshops organized by the department :

- *Civil engineering department in association with IGS-Guntur Chapter has organized a one day national seminar on “Problems Associated with Geotechnics of Expansive soils” at R.V.R.J.C College of Engineering on 25th January 2014.*
- *A one day Workshop on “Outcome based engineering education” has been organized on 6th June 2014 for the benefit of faculty members of the college*

Guest Lectures Delivered by the Faculty

- *Dr.K.Srinivasu, Professor and Head of civil engineering delivered a guest lecture on “Harmonic and Impulsive loading Response in Structural Dynamics” at PVP Siddhartha Institute of Technology on 6th February 2014.*
- *Dr.K.Srinivasu, Professor and Head of civil engineering delivered a lecture on “Finite Element Analysis for Bio Medical Application” for AICTE sponsored National Seminar on Advances in Biomaterials for Medical applications at RVR&JC College of Engineering on 15th march 2014.*
- *Dr.K.Srinivasu, Professor and Head of civil engineering delivered a lecture on “Implementation of outcome based engineering education for excellent teaching learning Process” Organized by R.V.R.J.C College of engineering, Chowdavaram Guntur for Outcome based education on 6th June 2014.*
- *Dr.K.Srinivasu, Professor and Head of civil engineering delivered a lecture on “Outcome based accreditation programme” in E-Class room of Silver Jubilee block R.V.R.J.C College of engineering, Chowdavaram Guntur.*
- *R.SurendraBabu, Associate Professor delivered a lecture on “High strength concrete and high performance mortar” at PMR Engineering College, Chennai 24th March 2014.*

Guest Lectures organized by the Department :

- Dr.A.S.Prasad, HOD Civil department, Vignana University has delivered a lecture on “ANALYSIS OF CHANNEL TRANSITION- SPECIFIC ENERGY CONCEPTS” on 8th march 2014.

Registration for Higher Degree

- N.V Sairam Kumar Civil Engineering Department registered for Ph.D during may 2014 under AcharyaNagarjuna University, Nagarjuna Nagar, Guntur.
- J.UshaKranti Civil Engineering Department registered for Ph.D during may 2014 under AcharyaNagarjuna University, Nagarjuna Nagar, Guntur.
- P.V.S. Maruthi Krishna Civil Engineering Department registered for Ph.D under S. V. University Tirupathi.

Industrial Tours & Short Visits :

- IV B.Tech civil engineering went on study tour to learn about various Post tensioning practices to a newly built up commercial complex at lakshmiapuram on 4th and 24 june 2014.

- II B.Tech civil engineering went on study tour to KCP Cement factory, Nagarjunasagar dam during 8th to 9th February 2014.

Any Other Information

- P.V.S Maruthi Krishna, Associate Professor, Civil Engineering Department enrolled as a Life Member IGS Delhi.
- J.UshaKranti, Assistant Professor, Civil Engineering Department enrolled as a Life Member IGS Delhi.
- M.RamaRao Professor Civil Engineering Department has been appointed as member of Board of studies in Architecture, ANU college of Architecture and Planning, AcharyaNagarjuna University on 25.04.2014.

(Dr. K.Srinivasu)

Professor & Head

BEFORE IRRIGATION

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