



# RajaRajeswari College of Engineering

Affiliated to VTU, Belagavi. Approved by AICTE, New Delhi & Govt. of Karnataka. Internationally Accredited by HLAET, Texas, U.S.A, Accredited by NBA (CSE, ECE, EEE, Mech)

**CET CODE: E145 / COMED-K: E099 / PGCE: T858**

## SHILANYAS NEWSLETTER

## CIVIL ENGINEERING DEPARTMENT

### DEPARTMENT OVERVIEW

Department of CIVIL was established in 2009 with an intake of 60 and the intake was increase to 120 in the year 2014. Department has well qualified faculty to handle the specialized subjects and laboratories. All laboratories are well equipped and maintained as per the VTU curriculum. Civil engineering is the oldest engineering discipline after military engineering, and it was defined to distinguish non-military engineering from military engineering. It is traditionally broken into several sub-disciplines including environmental engineering, geo-technical engineering, structural engineering, transportation engineering, municipal or urban engineering, water resources engineering, materials engineering, coastal engineering, surveying, and construction engineering..



## VISION

**College:** To provide an open opportunity to young generation for evolving their core competencies helping them to build their career as Global professionals to be an Autonomous Institution by achieving excellence in the field of higher education.

**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 to produce competent and ethically sound manpower for the benefit of Industry, Society, Nation and the Global Environment.

**Department:** “To offer quality graduate program in civil engineering education. To prepare students for professional carrier and research oriented higher studies. Department promotes excellence in teaching, research, collaborative activities and positive contributions to society”.



## CHAIRMAN'S DESK

It is my pleasure to congratulate you on your interest for enrolling yourself as a student in our group of Institutions, which are well known for the discipline, quality education and personality development. Our students have excelled not only in academic activities by obtaining university ranks but also have proved their mettle by taking part in Curricular, Co-curricular and extracurricular activities.

Presently, a knowledge explosion is being ushered in our midst especially in information technology. We are working with a vision of the future of India, to bring about progressive changes in Science, Engineering & Technology which will bring progress and prosperity to our country. We are convinced that "Character is the crown and glory of life". We believe in quality education, progress through discipline, knowledge through devotion and satisfaction through service to the student community. We are dedicated to meet the challenges of the new millennium in the field of medical and technical higher education so as to make our country a highly industrialized and healthy modern Nation.

## VICE CHAIRMAN'S DESK

The main focus of our Institutions is to empower students with sound knowledge, wisdom, experience and training both in the academic level and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipments contribute to an enjoyable and an easy learning experience. Adequate care is taken to give every student an enjoyable well-rounded and secure educational environment.





Dr. T. Chandrasekhar

## PRINCIPAL'S MESSAGE

The function of education is to teach one to think intensively and to think critically. Intelligence plus character – that is the goal of true education- said Martin Luther King, Jr. RajaRajeswari College of Engineering is an amalgamation of skilled teachers, state-of-the-art infrastructure and an experienced and well-organized administration

Students while studying at RajaRajeswari College of Engineering, would be groomed to become a self-confident, articulated, ready to enter into global society with dignity, honour and integrity. We appreciate students who are creatively curious and strive to experiment and innovate new things on both academic and non-academic fronts. The Students Departmental Associations encourages every student to exhibit their intellectual talents. Every staff member and students are encouraged to participate in inter collegiate competitions, sports/games, cultural events and technical competitions, Conferences, Seminars, Workshops within the campus as well as outside the campus.

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

## HOD'S MESSAGE





# DEPARTMENTAL ACTIVITIES

## TOTAL STATION TRAINING PROGRAM

**16/01/2020 to 18/01/2020**

The event was organised by civil engineering department for VI semester students in association with sir M V institute of engineering skills



The aim of the event to enhance the practicability of usage advanced survey equipment. The output of the event was to achieve industry and academic gap.



The total number of students attended the event are 130 and 13 faculty members also participated actively

**EXPERT LECTURE  
ON  
“Role of Chemical Admixture in Advance  
Construction”**



**Eminent Speaker:  
Er. Shivaprakash G,**  
Sr. Manager-Admixture and Technical Training Academy,  
M/s. FOSROC Chemical (India) Pvt. Ltd., Bengaluru

**Webinar on "Role of chemical admixtures in advance construction" in association with Indian Concrete Institute on 16th May 2020**

The event was organised by department of civil engineering. The event was organised during the Covid-19 in online platform for faculty knowledge enhancement. The event attendee from various university and institute the benefit from the event. the total participants were 536.

The construction industry of civil engineering department is dynamic and hence it is important that faculties must be aware of recent advancements in the usage of alternate materials and various admixtures used in the industry. this will allow for the faculties and students to eliminate the gap between industry and academics

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24TH AUGUST 2020

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## PROTOTYPE PROJECT EXHIBITION



The students of 8th semester participated in prototype project exhibition which was organised by Rajarajeswari college of engineering. the students were guided by Mr. A N Bhaskar , Assistant professor of civil engineering department. The prototype project title which was selected for the competition was" Double ring infiltraterometer" the same project is also selected in Natinal Innovation Contest (NIC-2020) organised by MHRD and won third prize.



## NATIONAL INNOVATION CONTEST- MHRD



# FACULTY ACHIEVEMENTS

## INTERNATIONAL JOURNALS PUBLICATIONS

1. DR.V.Ramesh,behaviour of concrete under direct fire,SN applied sciences,may2020
- 2.DR.V.Ramesh,design of rainwater harvesting system in RRCE campus,
- 3.Dr.v.Ramesh,retrofitting of concrete member subjected to fire,international journal of advanced research,ideas and innovations in technology,ISSN:2454-132X volume6 issue3.
- 4.Dr.V Ramesh,study on strength and durability properties of concrete
5. Ashwini L K,analysis of different types of cable arrangement in cable stayed bridge with different material properties using STTADPRO,IJERT ISSN2278/0181volume9,issue5.may2020.
- 6.Shalini G V.stabilization of black cotton soil using waste breverage cans and petbottles,IJRASET ISSN2321-9653,volume 8,issue7,july2020.
- 7.Vindhya Shree MP, Prioritization Of Accident Black Spots Using Gis, International Journal Of Engineering Research And Technology, May 2020
- 8.VindhyaShree M P, An Experimental Investigation On Bricks By Partial Replacement Of Red Soil With Copper Slag And Sculpture Waste, International Journal Of Scientific And Engineering Research, May 2020
- 9.Vindhya shree M P,stabilization of soil using geo textile material,internation journal of recent technology and engineering.
- 10.Babitha M,Treatment of dairy waste water using electro-coagulation technique journal if civil engineering,may 2020.
11. Babitha M,Performance evaluation of a sewage treatment plant for the treatment of do hepatic wastewater at RRMCH- journal of Civil Engineering ,December 6th 2019.
12. Mr. Kamalakar G K , Structural evaluation of flexible pavement using BBD, IJRAR, Vol 7, Issue 2,May 2020
- 13.Mr. Kamalakar G K, Evaluating the strength of geo-polymer concrete Recent trends in civil engineering and technology,
14. kamalakar G K,Strength and durability of concrete wrapped with fibre reinforced polymer. Journal of construction engineering technology and management
15. Veena N,analysis of school building using E TABS software,IJRASET,ISSN 2321-9653,VOLUME 8,ISSUE7,JULY 2020.
16. Veena N ,experimental investigation of HFRC pre cast beam using cyclic loading,
17. kavya M PM ,comparative study of multi storied RC building with or without shear walls,IRJET,VOLUME 7,ISSUE7 JULY 2020.
- 18.kavya M P M,soilinvestigation,IRJET,VOLUME7,ISSUE8,AUGUST2020.
19. Kavya M P M,strength evalauation of reinforced paver blocks with chicken wire mesh,IJRASET,VOLUME8,ISSUE8,AUGUST 2020.
20. Shilpa patil ,A study on the effects of CBR value on the thickness of the pavement,international journal of advance research,ideas,and innovations in technology,volume6,issue4,july-august 2020.

# FACULTY ACHIEVEMENTS

## PUBLICATIONS IN INTERNATIONAL CONFERENCE

1. Aravinthan.K, Design of Earthquake Resistant Structure with Base Isolation', 5th Structural EngineerWorld Congress, Raffles City Convention Centre, Singapore, paper - #1570066333
2. Kavya MPM, Paper presented in the International conference on "Engineering Trend and Applied science, Engineering and Technology"-2020 (ICECAET) at Gopalan college of engineering & management held on 10th and 11th March 2020. Title of paper: "Traffic signal design and traffic control"

## FUNDED PROJECTS

Mrs. Babitha assistant professor of civil engineering "Bio- methanation using food waste and silkindustry waste"  
the project was granted a fund 4500/- by KSCST

## GUEST LECTURES

1. Guest lecture by Dr. Aravinthan K on "Base isolation techniques organised by Ramkrishna institute of technology, Coimbatore, August 2020
2. Guest lecture by Dr. Aravinthan K , National webinar on IPR and patent filing associated by ICI and organised by Nagarjuna college of engineering, Bangalore , June 2020
3. Guest Lecture by Dr. Aravinthan K , webinar on patent filing organised by ramakrishna institute of technology Coimbatore, June 2020
4. Guest Lecture, webinar on durability aspects of concrete , organised by Jaishriram college of engineering tripura june 2020