



Viswambhara Educational Society

VAAGDEVI **COLLEGE OF ENGINEERING**

AUTONOMOUS

Accredited by NAAC with 'A' Grade

Accredited by National Board of Accreditation

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.



DEPARTMENT OF CIVIL ENGINEERING

Information Brochure

Khammam - Warangal Highway Road, Bollikunta, Warangal,
Telangana State – 506 005, India.

www.vaagdevi.edu.in

Making an Impact

Studying in Vaagdevi College of Engineering - Department of Civil Engineering puts you together with some of the best engineering minds.

Civil Engineering @ Vaagdevi

The Department of Civil Engineering was established in the year 2013 with a goal to be the centre of excellence for the fostering and dissemination of knowledge in Construction, Structural, Water Resources and Management, Transportation, Environmental, Geotechnical, Remote Sensing & GIS and to render its applications to the benefit of the society. The Department has developed strong links with construction industry and professional bodies. Outcome Based Education and practical learning system for the students.

Why Study Civil Engineering At Vaagdevi ?

- ✓ Excellent Infrastructure Facilities
- ✓ Dedicated Faculty Team
- ✓ Open Elective Courses
- ✓ Choice Based Credit System
- ✓ Employability Enhancement Courses
- ✓ Industrial Projects / Internship
- ✓ Academic / Industrial Expert Talk
- ✓ Gate Training Class
- ✓ Value Added Courses / Online Courses
- ✓ Industrial Visit/Practical Learning

What do Civil Engineers do?

- ✚ Investigate, design and manage the Construction Activities.
- ✚ Interpret and organise drawings, plans, construction methods and procedures.
- ✚ Provide smart mobility solutions underpinned by technological advances to traffic congestion problems.
- ✚ Design a roads, bridges, runways and Manage its construction.
- ✚ Develop ways of treating and reusing Storm water and waste water to preserve precious resources.
- ✚ Develop mathematical or physical models of systems, such as soils, traffic flows, to study behaviour and develop better management approaches for systems.
- ✚ Test the soil characteristics parameters for the best suited foundation design.
- ✚ Act as a solution finder for all kinds of building problems.
- ✚ Contribute innovative skills in Research and Development for the inventive exploring of Building material or technology.
- ✚ Work in public and private sector organization in all types of construction works.

Milestone

DEPARTMENT OF CIVIL ENGINEERING

2013	<ul style="list-style-type: none">• Establishment of the Department with B. Tech Civil Engineering Program. Students intake : 60
2014	<ul style="list-style-type: none">• Students intake raised to 180
2014	<ul style="list-style-type: none">• Started M. Tech - Structural Engineering Program . Student intake of 24
2014	<ul style="list-style-type: none">• Entered into Autonomous Stream
2015	<ul style="list-style-type: none">• Choice Based Credit system was Introduced
2019	<ul style="list-style-type: none">• M. Tech - Structural Engineering Program• Students Intake of 30






Department Faculty Team

The department offering B.Tech – Civil Engineering and M.Tech. - Structural Engineering Programs.

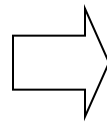
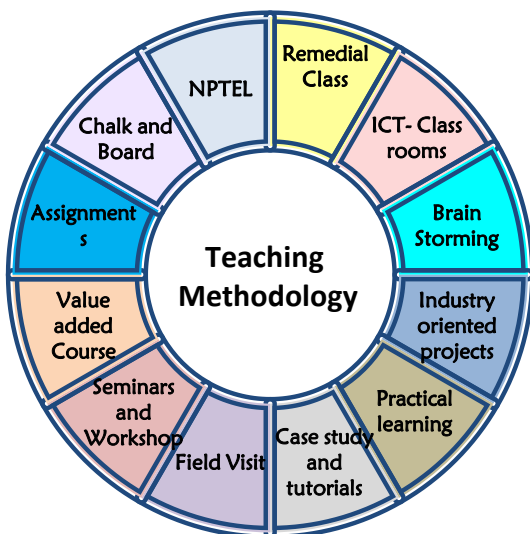
Department has well experienced and committed faculty members, who are formatting learners mind with effective modern teaching methodology. In department, there are 28 faculty members with 5 Ph.D Faculties and one retired senior government employees. The doctorate faculties completed their PhD's from premier institutes like NITs and Anna University. The faculty members have broad experience in area of structural, environmental, water resource engineering and construction engineering. Faculty members committed to provide quality teaching, research and professional consultancy, make civil engineering department a stimulating place for students.

Also, faculty members are serving as reviewer for the research articles, keynote speaker, special invitees and delegates for seminars / workshop / conferences at national and international level.

Ph.D Faculty

Sl. No	Name of the Faculty	Institution Name	PhD - Specialization	Photo
1	Dr. K. THIRUPATHI RAO	National Institute of Technology (NIT), Warangal	Water Resource	
2	Dr. R BHARATHI MURUGAN	National Institute of Technology (NIT), Trichy	Structural Engineering	
3	Dr. A. R. PRAKASH	National Institute of Technology (NIT), Trichy	Geotechnical Engineering	
4	Dr. G. DINESHKUMAR	Anna University, Chennai	Structural Engineering	
5	Dr. Syed Viqar malik	JJT University	Structural Engineering	

Teaching Methodology @ Department



- ✚ Encourages learners to solve problems, connect, prioritize, and incorporate conceptual knowledge in their study.
- ✚ It also promotes social and intellectual experience.
- ✚ Practical learning with skill up gradation.
- ✚ Promotes independent, active learning.
- ✚ Develops interpersonal skills and teamwork.
- ✚ Promotes problem-solving, diagnostic, interpretive and management skills.

LABORATORY FACILITIES

Department of Civil Engineering has well outfitted laboratory for the practical learning as well as for research study.



Advanced Concrete Technology Laboratory



MIDAS Research Laboratory



Strength of Materials Laboratory



CADD Laboratory



Highway Engineering Laboratory



Fluid Mechanics & Hydraulic Machines Laboratory



Environmental Engineering Laboratory



Surveying Laboratory



Geotechnical Engineering Laboratory



Engineering Geology Laboratory



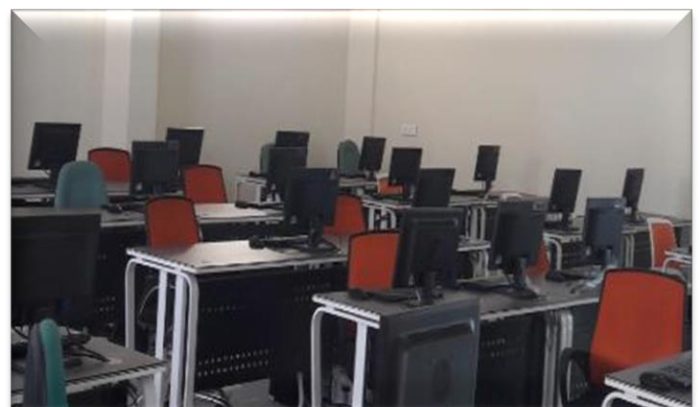
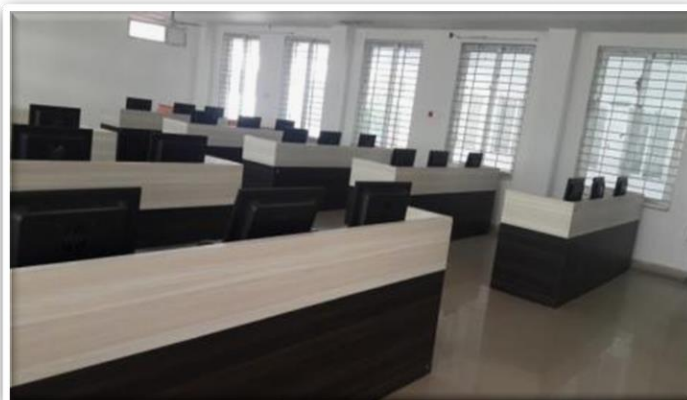
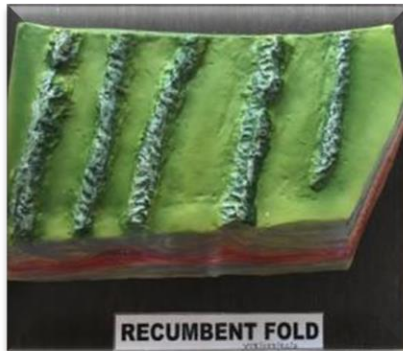
Some Major Equipments in the Laboratory

DEPARTMENT OF CIVIL ENGINEERING



Some Major Equipments in the Laboratory

DEPARTMENT OF CIVIL ENGINEERING



RESEARCH & CONSULTANCY

To promote the research activities among the students and young researchers, department has working on the three major domain research areas such as **Structural Engineering domain, Irrigation and Water Resource Engineering domain, and Transportation Engineering domain**. The technical assistance and consultation was rendered by the department to the various industries by the consultancy activity.

Focus Areas of Reasearch, Consultancy & Testing

Research

- Paver Blocks
- Waste Water Treatment Plant
- Stabilization of soil using Light weight Corncob Concrete Micro pile
- Sugarcane Bagasse Ash Brick
- Light Weight Concrete
- Bacterial Concrete
- Traffic Studies and Transportation Surveys

Consultancy

- Soil Testing
- Non Destructing Testing (NDT)
- Materials Testing
- Water sample testing

To explore the unique innovative minds among the young learners, the department has domain based project supervisors to guide them in all the verticals to showcase their young talents to the society.

Faculty Publication

• Journal Publication (National/International)	92
• Conference Publication (National/International)	102
• Patent Filed	01



Indian Concrete Institute
Warangal Centre



Association of Consulting Civil Engineers (India)
Karim Nagar Centre



Indian Green Building Council
Hyderabad Chapter



• Number of volume of Books in Department	392
• Number of Printed Journals	23
• Number of E - Journals	354
• Number of E - Books	44
• Number of Projects/CDs	160
• Video Lectures (NPTEL)	1214

STUDENTS ACTIVITIES (Curricular)



Department level Project Expo by Second Year Students



Designing and Modelling of Steel Connections by Pre – Final Year Students



Designing and Detailing of Reinforcement for Project Work by Final Year Students

“The students were guided and motivated by the department to do small modeling and design projects from their current learning subjects towards Project Based Learning”

STUDENTS ACHIEVEMENTS (Co - Curricular)



Students got Award in Anveshana Science and Technology project Competition



Students won prizes in Various Technical Competition



Students Internship on GIS/GPS at HERE technologies, Bangalore
Second largest mapping company in India

Department motivating and sending students outside to participate in the various technical and project competitions. The students were also added a one more feather in the cap to our department with number of awards and recognitions.

INTERNSHIPS

As a part of the curriculum, Students are undergoing their internship training and industry oriented mini project in various public and private sector companies such as Mission Bhagiratha, Mission Kakatiya, Irrigation Department, MIDAS , L & T Constructions etc., In addition to this students doing their **Internship in HERE Technologies, Bangalore** which is second largest GIS mapping company in India.



Indian Plywood Industries Research & Training Institute



Internship Certificate Distribution by Here Technologies



Extending Studies Beyond The Classrooms



Visit to Ready Mix Batching



Visit to Prestressing Concrete Site



Visit to CSIR, Structural Engineering Research Centre-



Explaining Reinforcement Detailing to Students Practically in the site

Students Site Visit



అన్నారం బ్యారేజీకి ఇంజనీరింగ్ స్టూడెంట్లు
కాలూరం, వెలుగు : మహాదేవపూర్ మండలంలో నిర్మిస్తున్న అన్నారం బ్యారేజీ పనులను శుభ్రవారం వరంగల్ కు చెందిన వాగ్డేవి ఇంజనీరింగ్ కాలేజీ స్టూడెంట్లు 90 మంది సందర్శించారు. ఏఈఈ యాకేడమీ ప్రాజెక్టు పని చేసే విధానాన్ని స్టూడెంట్స్ కు వివరించారు.

Kaleshwaram Barrage



SKILL UPGRADATION PROGRAMMES ORGANISED BY THE DEPARTMENT



International Conference On Sustainable Construction Materials and Recent Innovations In Civil Engineering



**Workshop On Construction Technology And Project Management
Resource Persons from NICMAR and NIT Warangal**



Placement, Gate
Class Coaching &
Career Guidance
Programme



Alumni @ Various Companies



Patil Rail Infrastructure Pvt. Ltd.
Smarter Track Solutions - Safer Mobility

*And other
Companies*



Department Placement and Higher Studies Statistics

	2016 - 2017	2017 - 2018	2018 - 2019
Placement	36	62	78
Higher Studies	04	14	10
Competitive Exams - Preparation	12	38	35

SEEK Programme

Skill for Employability and Enhancement of Knowledge Development (SEEK) programme, the students are trained with upgrading technologies such as Total Station, Geo studio, Staad Pro, Midas etc.,



Department extending equal support to the sport activities, students won number of national level awards and recognitions which it added more credit to the department.

Students Achievements – Extra Curricular Activities



నిట్లో యూనివర్సిటీ రాష్ట్రస్థాయి పోటీలు



పోటీలకు ఎంపికైన క్రీడాకారులతో నిర్వాహకులు, డిప్యూటీ ఛాన్సలర్లు పరంగల్ స్పోర్ట్స్ క్రీడాభివృద్ధి కమిషన్ సహాయ పోల్డర్లను, పైదరాజాజీ ఆర్ట్స్ కాలేజీలోని నేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ దిస్కంట్ క్రీడా ప్రధానంలో యూనివర్సిటీ రాష్ట్ర స్థాయి క్రీడా పోటీలు నిర్వహించారు. కీవన్ డివీషన్ స్పోర్ట్స్ డైరెక్టర్ ఎమ్.వి.డి.టి. ముఖ్య అతిథిగా పాల్గొని, పురుషుల విభాగంలో క్రీడా పోటీలను ప్రారంభించారు. రాష్ట్రంలో కీవన్ డివీషన్ వందలాది కళాకారుల నుండి 100 మంది విద్యార్థులు పాల్గొన్నారు. పోల్డర్లతో పాటు డి.వి.ఎం.ఎస్. ఎం.డి. జి.బి.ఎం.ఎస్. డి.కె.ఎం.ఎస్. సోమవతిపేట, కి.వి.పాండవ సాయి, సాయివరద, బరకాట్, పతాకం సాధించారు. వీరు మార్చి 14 నుండి 18వ తేదీ వరకు పాల్గొన్నారు. లోకల్ యూనివర్సిటీలో అవగాహన అందించే యూనివర్సిటీ స్థాయి పోటీల్లో పాల్గొన్నవారికి కీవన్ డివీషన్ స్పోర్ట్స్ డైరెక్టర్ ఛీఫ్ ఆఫీసర్లు సాక్షాత్తులై సత్కరించారు.

ఇంటర్ యూనివర్సిటీ క్రెక్యాండ్లో పోటీలకు రిషిత



కీవన్ డివీషన్ స్పోర్ట్స్ క్రెక్యాండ్లో పోటీలకు రిషిత పరంగల్ స్పోర్ట్స్: పోటీలలోని మంజూబీ యూనివర్సిటీలో జరగనున్న అల్ ఇండియా ఇంటర్ యూనివర్సిటీ క్రెక్యాండ్ పోటీలకు హాస్టంకొండకు వెందిన మేముల రిషిత ఎంపికైంది. ఈ పోటీలు 8 నుంచి 14వ తేదీ వరకు జరగనున్నాయని జేఎన్ డివీషన్ స్పోర్ట్స్ క్రెక్యాండ్ డాక్టర్ ఎన్.ఎస్.డి.టి. కోట్ ఎల్లా పుల గౌతమయ్యారవ్ తెలిపారు. వాగ్నేవి ఇం జనరింగ్ కళాశాలలో బీటెక్ సెకండ్ యిర్ చదువుతున్న రిషిత రాంజగల్లోని ఎస్.ఎం.ఎం. అకాడమీలో కోట్ గౌతమ వద్ద శిక్షణ తీసుకుంటోంది.



FEW SOCIAL RESPONSIBLE ACTIVITIES

Department and students had active participation in the Swacch Bharat, Unnat Bharat, Social Awareness Programme such as Voting Awareness programme, Solid Waste Management, Helping to old age citizens etc.,



Students Participation in Unnat Bharat Abhiyan Baseline Household Survey



Swacch Bharat



Helping Hands to Old Age Home



Solid Waste Management



Voting Awareness Programme

Department of Civil Engineering in association with Association of Consulting Civil Engineers (I), Karimnagar centre & Indian Concrete Institute, Warangal Centre Organises Webinar on **"Introduction to Structural Design"**

Friday, 22nd May 2020, at 4:00 p.m
*E-Certificate will be provided to all the attendees

SPEAKER
Dr. M N Shariff,
MS, Ph.D (IT Madras)
Project Scientist
IIT Madras

Registration form:  Scan Now

Any Queries Contact: headcivil@vaagdevi.edu.in , +91 8610854517, +91 9701010244
Registration Link: <https://tinyurl.com/yczcdu38>

Department of Civil Engineering Organizes a Webinar on **Modern Concrete-An Enigmatic Structural Material**

SPEAKER
Prof. M S Shetty
Retd. Professor, CME Pune
Author of "Concrete Technology Theory and Practice"

25 AUGUST 2020
3:00PM - 4:30PM

CONVENOR
Dr. R .Bharathi Murugan
Professor & Head
Department of Civil Engineering


COORDINATORS
Mr. Riyaz Syed
Assistant Professor /Civil Engineering
+91-9701818244
Mr. Mizza Mubashir Baig
Assistant Professor/Civil Engineering
+91-8341982796

Registration Link : <https://forms.gle/mS9K5vLi8dAUdbs6>

Department of Civil Engineering in association with Indian Concrete Institute, Warangal Centre Organises a Webinar on **"Artificial Aggregate and its Behavioural Aspects in Structures"**

On, 23rd May 2020, Monday @ 05:00 p.m to 06:00 p.m
*E-Certificate will be provided to all the participants

SPEAKER
Dr. T. PALANISAMY PhD, MSTE, SECL,
Assistant Professor
Department of Civil Engineering
National Institute of Technology Karnataka (NITK)
Surathkal, Mangalore

Registration form:  Scan Now

Any Queries Contact: headcivil@vaagdevi.edu.in, +91 9701010244, +91 90529 15619
Registration Link: <https://tinyurl.com/ybn7ycse>

Department of Civil Engineering is organising an Expert talk on **"ART OF COUNSELLING"**

18th July 2020 at 4.00PM

Speaker
Dr. M. Muthukannan
D.C.E.(Hons), M.E., Ph.D (Transportation)
Professor/Former Head,
Department of Civil Engineering, Kalasalingam University,
Srivilliputhur, Tamil Nadu.

Participants will be provided with E- certificate
<https://tinyurl.com/vcecivil-artofcounselling>

Department of Civil Engineering is Organizing an online Webinar on **"CHALLENGES IN MAKING DURABLE CONCRETE"** in associate with Chettinad Cement- AP & TS.

Event on 13th June 2020 (Saturday) at 05:00 P.M.

Participants will be provided with E-Certificate after completion of webinar.

Speaker:
Er.N Mavul Rao
Manager Technical Services (AP&TS)
Chettinad Cement Corporation Pvt. Ltd.

Registration Link : <https://tinyurl.com/y87dmxug>

Department of Civil Engineering In Associate with Association of Consulting Civil Engineering (I), Karimnagar Centre Organizes Webinar on **"Behavior of Concrete Structures subjected to Fire Exposure"**

On 27th May 2020, Wednesday at 04:00 p.m
*E-Certificate will be provided to all the participants

SPEAKER
Dr. P Ravil Prakash
Assistant Professor
Department of Civil Engineering
National Institute of Technology, Warangal (NIT W)

Registration form:  Scan Now

Any Queries Contact: headcivil@vaagdevi.edu.in , +91 97010 10244, +91 90529 15619
Registration Link: <https://tinyurl.com/ycizxpkw>

Department of Civil Engineering is organizing an Alumni Talk on **"INDUSTRIAL EXPOSURE-- A TRIP TO PRACTICAL EXPERIENCE"**

Topics:

- Practical knowledge on building construction - complete procedure and steps included in construction of building
- Important tools used in AutoCAD at industrial level.
- Overview on Quantity estimation of general building materials
- Sharing the concept of innovations
- How to get placed in good companies

Speaker:
Er. Guburu Hishah Kumar
Research Engineer
Alens Developers Pvt. Ltd.

Thursday
16th July 2020
11:00 PM to 12:00 PM

Participants will be provided with E- Certificate

GOOGLE MEET: Meeting ID: 856-6566-6666
Meeting Joining Link: <https://tinyurl.com/VCECALUMNS>

DEPARTMENT OF CIVIL ENGINEERING

Career Opportunities after B. Tech (Civil Engineering)

Public Sector (PSE/PSU)

- Public Work Department (Central & State)
- Railways & Airport
- Water Resources
- Military Engineering Services
- RITES
- SAIL
- BHEL
- ONGC
- HAL
- NTPC & NHPC
- IOCL & HPCL

Higher Studies (M.Tech / MS /MBA)

- Structural Engineering
- Construction Engineering and Management
- Environmental Engineering
- Geotechnical Engineering
- Water Resources Engineering
- Infrastructure Engineering
- Transportation Engineering
- Ocean Engineering
- Remote Sensing & Management Studies

Private Sector Jobs & Entrepreneur

- Planning Engineer
- Site Engineer
- Quantity Surveyor
- Design Engineer
- Cost & Estimation Engineer
- Drafting Engineer
- Project Engineer
- Building Valuator & Own Company start ups

LARGEST CAMPUS

WITH WORLD CLASS ACADEMIC ENVIRONMENT

Eagle View – Vaagdevi Campus



Contact us:

Dr. R.BHARATHI MURUGAN
Professor and Head,
Department of Civil Engineering,
Vaagdevi College of Engineering,
Khammam - Warangal Highway Road,
Bollikunta, Warangal,
Telangana State – 506 005, India.

Reach us:

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Website: <https://www.vaagdevi.edu.in/about-civil-department/>