



# IARE

Institute of  
Aeronautical Engineering



## CIVIL ENGINEERING

BUILDING **THE FUTURE**  
ON A **FOUNDATION**  
OF EXCELLENCE



# VISION & MISSION

## VISION

To produce eminent, competitive and dedicated civil engineers by imparting latest technical skills and ethical values to empower the students to play a key role in the planning and execution of infrastructural & developmental activities of the nation.

## MISSION

To provide exceptional education in civil engineering through quality teaching, state-of-the-art facilities and dynamic guidance to produce civil engineering graduates, who are professionally excellent to face complex technical challenges with creativity, leadership, ethics and social consciousness.



# ABOUT **CIVIL**

Civil engineering deals with the planning, design, construction, operation, maintenance and research of fixed structures and infrastructures such as buildings, highways, bridges, railroads, tunnels, dams and airports. Civil engineering also deals with solutions to problems involving traffic, water supply, sewer, flood control, and environment. It is one of the broadest and oldest of the engineering disciplines, extending across many technical specialties. A civil engineer requires not only a high standard of engineering knowledge but also supervisory and administrative skills. Civil Engineers plan, design, and supervise the construction of facilities essential to modern life needs. A civil engineer is responsible for planning and designing a project, constructing the project to the required scale.

“Education is not the learning of facts, but the training of the mind to think.”

”  
**-Albert Einstein**

## ABOUT Department

Department of Civil Engineering was established in 2008 with an intake of 30, enhanced to 60 in 2009 and to 120 in 2013. The department also started offering a two year M.Tech program in Structural Engineering with an intake of 24 from the year 2014. The B.Tech (Civil Engineering) program has been accredited by the National Board of Accreditation (NBA) since 2016.

It consists of well qualified, experienced and dedicated faculty and committed supporting staff. The department is headed by Dr.VenkataRamanaGedela with a total experience of 17 years. Currently, he is ably supported by two eminent professors Dr J. S. R. Prasad and Dr Akshay S.K.Naidu, three Associate Professors, twenty four Assistant Professors and two Scientific Officers.

The departmental major activities include teaching and research, and providing consultancy services to various organizations in the area of Civil Engineering like Transportation, Meteorology and Earthquake resistant design of structures

The faculty continues to strive hard by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students and conducting high quality of research. The faculty also renders technical advice on live engineering problems to various Government and Private Sector companies throughout country. The department has produced several eminent engineers who have made significant contributions in the planning and execution of Civil Engineering projects in India as well as abroad.



# Program Educational Objectives (PEOs)

The current Civil Engineering program educational objectives were developed as part of the program's on-going efforts to maintain through innovation in undergraduate program that meets the needs of our constituents. The current educational objectives of the Civil Engineering program are:

## Program Objective-I

To impart proficiency in engineering knowledge and skills to analyse, design, build, maintain, or improve civil engineering based systems.  
(Professional Excellence)

## Program Objective-III

To impart ability to collaborate with and function on multidisciplinary teams to offer engineering solutions to the society (Technical Collaboration)

## Program Objective-II

To offer broad education and practical skills so that the students can carry out technical investigations within realistic constraints such as economic, environmental, societal, safety and sustainability.  
(Understanding Socio-Economic Aspects)

## Program Objective-IV

To create interest in the students to engage in life-long learning in advanced areas of civil engineering and related fields.  
(Continued Self-Learning)

## Program Objective-V

To educate the students in ethical values and social responsibility to use engineering techniques and modern tools necessary for civil engineering practice to serve the society effectively. (Effective Contribution to Society)

# Program Outcomes

## (POs)

A graduate of the Civil Engineering Program will demonstrate

### PO-I

Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

### PO-IV

Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

### PO-II

Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

### PO-III

Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.



### **PO-V**

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

### **PO-IX**

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

### **PO-VI**

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

### **PO-X**

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

### **PO-VII**

Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

### **PO-XI**

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

### **PO-VIII**

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **PO-XII**

Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

# Program Specific Outcomes (PSOs)

PROGRAM SPECIFIC OUTCOMES		LEVEL	Proficiency assed by
PSO1	ENGINEERING KNOWLEDGE: Graduates shall demonstrate sound knowledge in analysis, design, laboratory investigations and construction aspects of civil engineering infrastructure, along with good foundation in mathematics, basic sciences and technical communication.	H	Lectures, Assignments, Exam
PSO2	ENGINEERING KNOWLEDGE: Graduates shall demonstrate sound knowledge in analysis, design, laboratory investigations and construction aspects of civil engineering infrastructure, along with good foundation in mathematics, basic sciences and technical communication.	M	Lectures, Assignments, Exam
PSO3	ENGINEERING KNOWLEDGE: Graduates shall demonstrate sound knowledge in analysis, design, laboratory investigations and construction aspects of civil engineering infrastructure, along with good foundation in mathematics, basic sciences and technical communication.	L	Lectures, Guest lectures, Discussions, Industrial visits

The first principle of architechtrual beauty is that the essential lines of a construction be determined by a perfect appropriatensess to its use

”  
**-Gustave Eiffel**





# ACADEMIC COUNCIL

Academic council has been constituted with the Principal as the chairman, three members from the university, four experts from outside the college representing such areas as industry, education, medicine, engineering etc., all heads of departments, four senior faculty of the college and a member secretary.

Academic Council is the principal academic body of this autonomous institute. It is responsible for laying down, regulating, and maintaining the standards of instruction, education and examination within the Institute. It has the right to advise the governing body on all academic matters.

# ACADEMIC COUNCIL

S.No.	Name	Designation	Organization	Remarks
1	Dr. L. V.Narasimha Prasad	Principal	Institute of Aeronautical Engineering	chairman
2	Dr.N.Yadaiah	Registrar	Professor of Electrical and Electronics Engineering, Jawaharlal Nehru Technological University Hyderabad	Nominees of University Jawaharlal Nehru Technological University Hyderabad
3	Dr. G. K.Vishwanadh	OSD to VC	Professor of Civil Engineering, Jawaharlal Nehru Technological University Hyderabad	
4	Dr. B.Anjaneya Prasad	Director of Evaluation	Professor of Mechanical Engineering, Jawaharlal Nehru Technological University Hyderabad	
5	Dr.S. Tara Kalyani	Professor and Controller of Examinations	Jawaharlal Nehru Technological University Hyderabad	
6	Prof. A.Damodaram	Vice-Chancellor	Sri Venkateshwara University, Tirupati	Experts from outside the College
7	Dr. B. N.Bhandari	Director - Academic Planning	Professor Electronics and Communications Engineering, Jawaharlal Nehru Technological University Hyderabad	
8	Mr. C. Praveen Reddy	CEO and Managing Director	Automotive Robotics Engineering Services India Private Limited, Secunderabad	
9	Dr. T. V. Suresh Kumar	Register	Academics and Professor of Computer Science and Engineering, M S Ramaiah Institute of Technology, Bangalore	
10	Dr. D.Govardhan	Professor	Aeronautical Engineering, IARE	Members - Head of the Department
11	Dr. K.Rajendra Prasad	Professor	Computer Science and Engineering, IARE	
12	Dr. K.Srinivasa Reddy	Professor	Information Technology, IARE	
13	Dr. M. Ramesh Babu	Professor	Electronics and Communication Engineering, IARE	
14	Dr. P.Mallikarjun Sharma	Professor	Electrical and Electronics Engineering, IARE	
15	Dr. K. G. K.Murti	Professor	Mechanical Engineering, IARE	
16	Dr.VenkataRamanaGedela	Professor	Civil Engineering, IARE	
17	Dr. M.Anitha	Professor	Freshman Engineering, IARE	
18	Dr. J. S. V.Gopala Sharma	Professor	Master of Business Administration, IARE	
19	Dr. N.Rajasekar	Professor	Computer Science and Engineering, Institute of Aeronautical Engineering, Hyderabad	Faculty Member – Member Secretary
20	Dr. P. G. Krishna Mohan	Professor	Electronics and Communication Engineering	Senior Faculty of Institute of Aeronautical Engineering
21	Prof. V. V. S. H. Prasad	Professor	Mechanical Engineering	
22	Prof. N. Krishna Mohan	Professor	Aeronautical Engineering	
23	Dr. R.Krishnaiah	Professor	Electronics and Communication Engineering	

# DEPARTMENT ADMINISTRATION

Civil engineering deals with the planning, design, construction, operation, maintenance and research of fixed structures and infrastructures such as buildings, highways, bridges, railroads, tunnels, dams and airports. Civil engineering also deals with solutions to problems involving traffic, water supply, sewer, flood control, and the environment. It is one of the broadest and oldest of the engineering disciplines, extending across many technical specialties. A civil engineer requires not only a high standard of engineering knowledge but also supervisory and administrative skills. Civil Engineers plan, design, and supervise the construction of facilities essential to modern life needs. A civil engineer is responsible for planning and designing a project, constructing the project to the required scale, and maintenance of it.



# DEPARTMENT HEAD



## **Dr. VENKATA RAMANA GEDELA**

Cell: +91 9440207230

E-mail: [hod-ce@iare.ac.in](mailto:hod-ce@iare.ac.in) | [ramanagedela@gmail.com](mailto:ramanagedela@gmail.com)

Dr.Venkata Ramana Gedela has secured his Ph.D. in Civil Engineering from JNTUH Hyderabad. He is an M. Tech holder in Water Resource Engineering, B.Tech from Chaitanya Bharathi Institute of Technology, Affiliated to Osmania University (OU), Hyderabad and possessing 17 years of experience in teaching and industry

## **RESEARCH GUIDANCE**

Ph. D: Two students (Pursuing)

M. Tech: Six students completed

B. Tech: 50 plus live projects were guided

## **PROJECTS**

- Research Projects handled as Principal investigator: 7 projects worth 38.5 lakhs in Rupees

- Consultancy Projects handled as Principal Investigator: 4 projects worth 2.5 lakhs in Rupees

## **LIST OF PUBLICATIONS**

- Water Resources Engineering – I (ISBN: 81-89966-90-1)
- No of laboratory manuals published as Author: 6
- Papers published in international journals: 15
- Papers presented in international conferences: 12
- Papers presented in international workshop: 1
- Papers presented in national conferences: 7
- Paper presented in national workshop: 1



## OTHER ACTIVITIES

LIFE MEMBERSHIPS OF  
VARIOUS PROFESSIONAL

**BODIES: 7**

CONFERENCES/  
WORKSHOPS  
CONDUCTED AS A

**CONVENER: 8**

SHORT TERM  
TRAINING PROGRAMS

**ATTENDED: 12**

GUEST LECTURES

**PRESENTED: 11**

CONFERENCES ORGANIZED  
AS COMMITTEE

**MEMBER: 3**

CONFERENCES/  
WORKSHOPS  
CONDUCTED AS A

**CO-CONVENER: 2**

ACADEMIC EVENTS  
ATTENDED AS

**JUDGE/  
CHAIRPERSON: 2**

## LIST OF HONORS

Awarded in **TELUGU BOOK OF RECORDS (TBR) & STATE BOOK OF RECORDS (SBR)** for successfully completing 25 various discipline degrees from different recognized universities including Ph.D in Civil Engineering.

Advisory **Board member of WARSE** (World Academic Research in Science & Engineering), which consists of 16 various International Journals in different fields of disciplines.

Published various interviews and articles in newspapers and weekly magazines i.e. in **The Hans India** (English daily News Paper), Sakshi, NamastheTelegana, Eenadu, Andhra Jyothi, PrajaShakthi, Sitara and Vijyam etc.

# List of Laboratories

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## Surveying Laboratory

Surveying lab offers supplemental experience in fundamental land surveying measurement methods for surveying courses, make the students to obtain the knowledge of surveying equipment and measurement techniques with emphasis on levelling and traversing using chain, tape, levelling instruments and compass survey.



## Geotechnical Engineering Laboratory

This Laboratory is designed to obtain the basic knowledge about the soil under loading and unloading conditions occurred during the construction of structure at site. This laboratory helps the students to understand the basic and engineering properties of soils such as Specific gravity, Atterberg's limit, Compaction, Consolidation, Permeability and Shear strength of soils. Students will work to formulate the models necessary to study, analyse, and design fluid systems.



## Environmental Engineering Laboratory

This laboratory course aims at making the students familiarize with the essential Environmental Engineering equipment's and experimental methodology that are used to obtain the different characteristics of water and wastewater such as pH, Turbidity, Conductivity, Dissolved Oxygen (DO), Total Dissolved Solids (TDS;

Organic and Inorganic), Alkalinity/Acidity, Chloride, Chlorine demand, Iron, Nitrates Nitrogen, Total Phosphorus, Optimum dose of Coagulant, Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Coliforms test etc.



## Fluid Mechanics & Hydraulic Machinery Laboratory

This laboratory provides students with an introduction to principal concepts and methods of fluid mechanics. Students will work to formulate the models necessary to study, analyse, and design fluid systems.



## Strength of Materials Laboratory

This laboratory course aims at making the students familiarize with Engineering Mechanics and Experimental methodology that are used to obtain the Mechanical properties, engineering properties such as modulus of rigidity & stiffness etc.,



## Advanced Surveying Laboratory

To familiarize and make the students to obtain the knowledge of surveying equipment and measurement techniques with emphasis on levelling and traversing using theodolite and total station. To impart the practical knowledge of the subject by recording measurements



## Engineering Geology Laboratory

It helps in understanding the natural crystalline structure of rocks and minerals and gives an idea of the faults and folds which occur. And also find the detailed structure with the help of microscope.



## Advanced CAD laboratory

In this lab mainly STAAD.Pro software is widely used in analysing and designing structures – buildings, bridges, towers, transportation, industrial and utility structures. Designs can involve building structures including culverts, petrochemical plants, tunnels, bridges, piles; and building materials like steel, concrete, timber, aluminium, and cold-formed steel.





## Concrete & Highway Materials Laboratory

This Laboratory is designed to obtain the basic knowledge about the cement, coarse and fine aggregates and bitumen and their performance during the construction. This laboratory helps the students to understand the basic and engineering properties of cement, fine and coarse aggregates such as Specific gravity, Soundness limit, Compressive strength, Water absorption, Slump and Compaction factor type, Non-destructive strength of concrete, Penetration value, Softening, ductility, Flash and fire point of bituminous samples.



## Computer Aided Drafting (CAD) of building Laboratory

AutoCAD is a 2-D and 3-D computer-aided drafting software application used in architecture, construction, and manufacturing to assist in the preparation of blueprints and other engineering plans. Students can draw up plans for residential and commercial buildings and also draw up plans for use in the design and building of roadways, bridges, sewer systems, and other major projects.



## Advanced Concrete Laboratory

This laboratory course objective is making the students make clear with the essential concrete and highway equipment's and their experimental methodology are useful to obtain the Basic Knowledge on Concrete materials. By performing tests such as Aggregate Crushing, LOS angel's abrasion, Compression testing, NDT of Concrete, Compaction factor testing, Vicat apparatus test, etc.



# CLASS MONITORING SYSTEM

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To familiarize and make the students to obtain the knowledge of surveying equipment and measurement techniques with emphasis on levelling and traversing using theodolite and total station. To impart the practical knowledge of the subject by recording measurements

Regular class work

Discipline

The academic advisor will work with students to enroll for courses and provide the necessary information to ensure adequate course selection for the student's intended program of study.

Academic advice is provided to students by advisors in student services, by a faculty member in the academic field or by Site Managers at our instructional sites.

Guidance on educational tours.

Encourage towards presentation of research papers on various conference/seminar/workshop/ symposiums.

# VARIOUS CO-ORDINATORS

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## Technical Stream Co-ordinators

Responsibilities of Stream Co-ordinators are:

1. Review of the delivery of the courses under the stream.
2. Methods to improve the content delivery in lecture class.
3. Practices to be followed in the laboratories.
4. Requirements (infrastructure and others) for laboratories.
5. Research work being carried out/proposed in the respective stream.
6. Purchase and utilization of relevant software under the stream.
7. Suggestions in devising/framing question papers.
8. CO and PO attainment of the courses under the stream and suggesting remedial actions.
9. Regular monitoring of the syllabus coverage of the courses (this is monitored by the respective CSA also)
10. Ensuring the utilization of facilities (academic and infrastructure) under the stream.
11. Participation of the faculty under the stream in career refreshment courses/FDPs/Seminars/Workshops etc.
12. Organizing students and staff development programs under the stream.
13. Patronage of professional bodies under the stream.
14. Review of the projects (main and semester) under the stream.
15. Orientation to the faculty member under the stream with regard to academic matters.
16. Commencement of new courses for students.
17. Organizing industry oriented lectures/ sessions for students.
18. Other assignments/responsibilities entrusted by the HOD time to time.

## STREAM CO-ORDINATORS

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S.No.	STREAM	COORDINATOR
1	Structural Engineering	Dr.J.S.R.Prasad
2	Water Resource Engineering	Dr.G.V.Ramana
3	Geotechnical Engineering	Ms.B.Navya
4	Transportation Engineering	Mr.D.M.V.Praneeth
5	Environmental Engineering	Dr.S.V.Ramana
6	Remote Sensing And GIS	Dr.Kavita Singh

# P G Programme Co-ordinator

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## Major responsibilities of PG Co-ordinator are:

1. Coordinates the academic activities of the post graduate program in Structural Engineering.
2. Monitor the course delivery and make suggestions for improvement.
3. Ensure the progress of the course delivery according to the lesson plan & course hand-outs.
4. Ensure proper mentoring system for PG students by coordinating the staff advisors of various PG classes.
5. Conduct the internal examinations and finalize the internal marks.
6. Ensure the quality of the master thesis work and manuscripts extracted from the thesis are published in journals and conferences.
7. Conduct the bi-weekly meeting of the post graduate students and discuss the academic progress.
8. Ensure the adherence to the PG academic calendar.
9. Coordinate the preparation and communication of the project proposals formulated by the students & the respective guides for external funding.
10. Delegate the project advisory ship and guarantee the timely completion of the project/thesis work.
11. Attend the PG cluster meeting and provide appropriate direction to the PG course co-ordinator and thesis guides based on the decisions taken in the meeting.
12. Attend the college level PG Co-ordinators' meeting by representing the department and make suggestions for improvement in PG academic curriculum.
13. Provide adequate and appropriate direction to the faculty members to ensure that classes for PG are conducted as per the institute policy.
14. Ensure the required technical quality of the PG academic program by adopting the necessary measures and taking judicious decisions.
15. Any other PG program related responsibility entrusted by the HOD from time to time.

**PG Co-ordinator**

**Mr G.Anil Kumar**



# Staff Advisory System

## Chief Co-ordinator

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The Chief Co-ordinator (Staff Advisory System) will coordinate the activities of Chief Staff Advisors (CSAs) by providing appropriate directions and instructions.

The Chief Staff Advisors will report to the Chief Co-ordinator regarding the student mentoring activities and the related academic activities of the respective batch.

**Major responsibilities of Chief Co-ordinator (Staff Advisory System) are:**  
Direct and delegate the Chief Staff Advisors (CSAs) to carry out their assigned responsibilities and monitor the progress.

1. Ensure the systematic upkeep and maintenance of the student profiles in updated condition by providing suitable directions to the CSAs.
2. Ensure the conduct of UG student mentoring system with utmost flawlessness and diligence.
3. Convene the bi-weekly meeting of the student representatives (total 12 in number) and provide proper directions to them and address the grievances of the students (personal as well as academic).
4. Ensure the attainment of the minimum required attendance level (live) for each student of the department and recommend for remedial measures to the respective CSAs, if found at the satisfactory level.
5. Make arrangements for making available the weekly consolidated attendance sheet to the CSAs so as to publish the same on class NBs and Main NB.
6. Update and maintain the registers pertaining to the staff advisory system in the department.
7. Direct the CSAs to carry out the allotted work in time with regard to regular staff advisory responsibility.
8. Identify the weak students based on the series test marks and weekly test marks (to be provided by the CSAs) and suggest for remedial measures to the CSAs and monitor the same.
9. Work in close coordination with 'Student Development Co-ordinator' who will make arrangements for the students (by proper motivation) to participate in various co-curricular activities in and outside the campus and properly record them.
10. Play an active and effective role between the HOD and CSAs with regard to the implementation of the college level as well as department level decisions which require the active engagement of the staff advisors.
11. Recommend for remedial tests/remedial classes/special coaching etc. for the weak students and guarantee the improvement in the academic performance by means of continuous monitoring.
12. Recommend for the appropriate measures to improve the academic standards of the students (including the university examination results) which demand successive and continuous fine-tuning of the student mentoring system by providing individual attention.
15. Any other PG program related responsibility entrusted by the HOD from time to time.

Chief Co-ordinator (SAS)

Mrs.R.RamyaSwetha

# Chief Laboratory Co-ordinator

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Chief Laboratory Co-ordinator will coordinate the laboratory related matters by properly guiding, directing and advising the faculty in charge of labs.

Roles and Responsibilities of Chief Laboratory Co-ordinator are:

1. Reporting authority of all the faculty members in charge of various laboratories under the department, with regard to academic matters related to the concerned lab.
2. The Chief laboratory Co-ordinator, in consultation with HOD, shall issue appropriate directions and guidelines to the faculty member(s) in charge of labs for timely processing and completion of the regular academic work.
3. Shall take adequate and proper initiatives to purchase/maintain the equipments/instruments required in each lab, which will be processed by the concerned faculty member in charge of the laboratory.
4. Ensure the systematic up keeping of all files, documents and registers, pertaining to each laboratory, in updated condition so as to present the same before the various inspection committees/teams and also before HOD/Principal/COO as and when required. Proper directions will be issued to the faculty members in charge of laboratories accordingly.
5. Oversee and monitor the conduct of lab examinations (both internal and university) by intimating and informing the concerned faculty members handling the laboratory classes.
6. Devise and implement appropriate plans and strategies with the objective of enhancing the academic quality with regard to training and learning exercise in the laboratories.
7. Supervise the equipment/instrument calibration process in each lab by urging the department laboratory calibration in charge and the other associated faculty members.
8. Entrusted to take proper and timely decision with regard to any other matter related to training / purchase / audit / HR management / file keeping / maintenance / repair of laboratory equipment / personal etc. by properly coordinating the faculty in charge of labs, in consultation with HOD.

**Chief Laboratory Co-ordinator Dr.J.S.R.Prasad**

# CLASS Advisory System

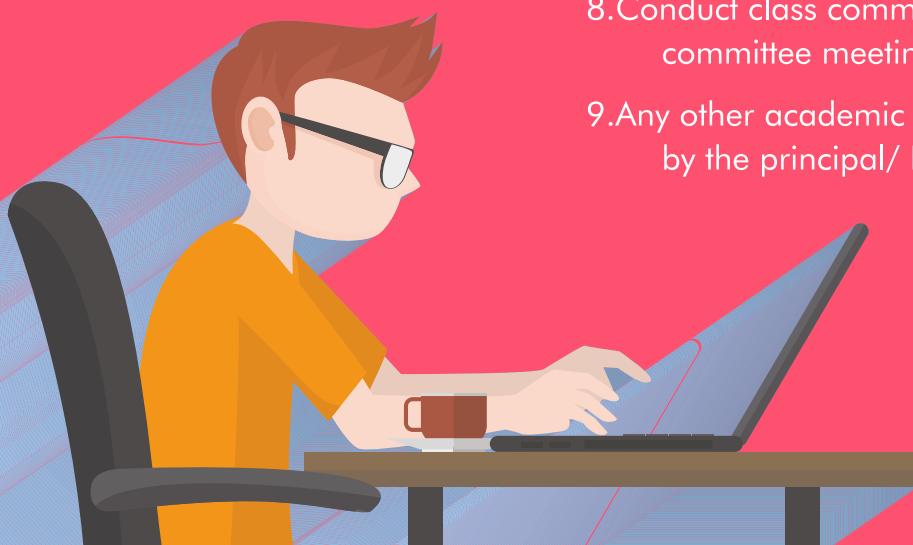
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Each class is assigned with a Chief Staff Advisor (CSA) or Teacher in Charge/Mentor.

To give individual attention and help the students in matter of personal and academic importance, a class of 60 is again divided into three equal groups of 20/21 each under a Staff Advisor. Every student is monitored personally by the mentor and after every meeting the data is recorded in the Green Book. The students can seek both personal and academic advice of Staff Advisors. Besides, two students are elected as the class representatives.

## Major responsibilities of Chief Staff Advisor (CSA) are:

1. Co-ordination of the staff advisors for maintaining the accreditation related files.
2. Consolidation of fortnightly attendance and publishing the same.
3. Reporting the activities and progress of the class to the respective head of the department.
4. Intimating the parents about the result of Series Examinations, University Examinations, PTA meetings etc.
5. Class monitoring, in order to get the feedback from the students regarding the various subjects taught during the semester.
6. Monitor and consolidation of the duty leaves for internal programme and forward the same to the Vice – principal / principal.
7. Convene the meeting of staff advisors and reporting to head of department.
8. Conduct class committee meetings / course committee meetings of the class.
9. Any other academic responsibilities entrusted by the principal/ HOD from time to time.



## **Major responsibilities of Staff Advisor/Mentor are:**

1. A friend, philosopher and advisor to the student.
2. Meeting the student once in a fortnight at least in normal circumstances.
3. Interaction with parents on academic and non-academic matters pertaining to the students in his/her group.
4. Ensuring the attendance of the student in class and general, and total behaviour including adherence to the dress code.
5. Maintenance of the student profile, which include the progress of the student since his/her inception in the first year.
6. Reporting to the HOD in the fortnightly appraisal form for the first and second half of the month, through the CSA and chief co-ordinator(Staff Advisory System).
7. Motivating the students for co-curricular and extra-curricular activities.
8. Identifying the strength and weakness of students and timely action for special attention can be suggested to the head of the department.
9. Updating the attendance and marks on the website

**Chief Staff Advisor (CSA) Dr.Kavita Singh**

# List of Chief Staff Advisors and Advisors

PG Co-ordinator	Mr.G. Anil Kumar
UG Co-ordinator	Mr.N. VenkatRao
NBA Co-ordinator	Dr.Akshay Naidu
Chief Staff Co-ordinator	Mrs.RamyaSwetha
Class Staff Advisory	Dr.Kavitha Singh
Chief Lab Co-ordinator	Dr.J.S.R.Prasad
Staff Secretary& Treasurer	Mr.N. VenkatRao
PG Seminar & Project Co-ordinator	Mr G. Anil Kumar
UG Project Co-ordinator	Dr.Kavitha Singh
UG Seminar Co-ordinator	Dr.Kavitha Singh
Library in charge	Mr.B.Suresh
MOOC Co-ordinate	Mr.G. Anil Kumar
Faculty Tour Co-ordinator	Mr.S.V. Konda Reddy
Technical talks for students	Dr.AksahyS.K.Naidu
Placement Representative	Mr.G. Anil Kumar
NAAC Co-ordinator	Dr.AksahyS.K.Naidu
Industry / NGO tie-ups	Dr.G.V.Ramana
Contact person with HR Department	Mr.D.M.V.Praneeth
Editor, Dept. Hand Book	Mrs.S.Bhagyalaxmi
Editor, Dept. Brochure	Dr.Kavita Singh
Time Table Co-ordinator	Ms.J.Hymavathi
Dept. Infrastructure in Charge	Dr.J.S.R.Prasad
In charge (Dept. notices / Dept. NB )	Ms.N.Sravani
Alumini Coordinator	Mr.D.M.V.Praneeth
Online Attendance Co-ordinator	Mr.G.Anil Kumar
Accreditation Team	
NBA Criterion Co-ordinators	Dr.AksahyS.K.Naidu(Criteria- 1&2)
	Mr.TPradeep Kumar, Mrs.P.Shrutilaya(Criteria- 3& 7)
	Mr.SurajBaraik (Criteria- 4)
	Ms.B.Navya(Criteria- 5)
	Mr.K.Tarun Kumar(Criteria- 6)



# STUDENT Representatives

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S. No.	Year	Section	Name	Roll. No.	Contact. No.
1	4 <sup>th</sup>	A	L.Akshay	13951A0104	8897988928
		A	MayaLaxmi	13951A0119	9441189540
		B	G.Akhil	13951A0151	8374937849
		B	A. MounikaSwathi	13951A0169	8099667846
2	3 <sup>rd</sup>	A	K.Manasa	14951A0110	9491034718
		A	Tharun	14951A0136	8499844583
		B	Sharath	14951A0171	8639587235
		B	B.Haneesha	14951A0152	8333837895
3	2 <sup>nd</sup>	A	B.Sandeep	15951A0110	7396113396
		A	G.Mounika	15951A0131	9553024716
		B	P.Rishith	15951A0148	8341038389
		B	Ch.Shamitha	15951A0164	8712784987

## Roles of Class Representative:

1. To make sure that the classroom, black-board, notice board, curtains etc. are maintained properly. Besides, lights and fans should be switched off when not in use.
2. To report any grievances of the class to the respective chief staff advisor.
3. Any other responsibility entrusted by the CSA with respect to academic and co-curricular activities.

# Department & Institutional Responsibilities of Faculty

## Department Responsibilities

1. Suggestions for preparing technical seminar reports, mini projects & major project.
2. Guidance to students for internship programmes.
3. Providing the professional and technical skills at the evening time.
4. Supervising on various types of models such as cable suspension bridge, a stretch of outer ring road, a stretch of metro rail project etc.
5. Conducting quiz programmes, group discussions and some technical events to share the knowledge from faculty to students.
6. Guidance towards presentation of research papers on various conference/seminar/ workshop/ symposiums.

## Institutional Responsibilities

1. Enhance the career growth towards the improvement of a department and institutional capabilities.
2. Promote the activities regarding technical seminars, guidance of live research projects and real experimental methodologies.
3. Involvement in sustainable development of department activities such as establishment of lab equipment's, new experiments on par with latest trends and techniques.
4. Actively contribute many inspections like UGC, AICTE, JNTUH and task force committees.
5. Boost up among the students regarding leadership qualities and assistance the personal development and communication skills.

# Rules And Regulations

1. To maintain dignity, decency, order, calmness both in the campus and outside the campus.
2. To put thumb impression in biometric machine immediately after entering and before leaving the campus.
3. To be regular and punctual to the classes and to be in the class at least 5 minutes before the commencement of the period. Every day's cumulative attendance of the student will be sent to their parent's mobile via SMS. So the student should update his/her mobile no. and their parent/guardian mobile number if changed.
4. To obey the instructions of the teacher in the class rooms.
5. To maintain perfect order and strict silence inside the lecture hall/drawing hall / laboratories. To be attentive in the class and to bring calculators, charts and data hand books every day.
6. To note that carrying cell phone is strictly prohibited in the campus.
7. To wear identity card inside the campus.
8. To inculcate the habit of checking into notice boards of the college/department every day.
9. To attend all counselling sessions convened by their mentors and should feel free to explain their academic /personal/ career difficulties and seek their solutions.
10. To note that in all discipline matters, the decision taken by the principal is final and will be binding on all the students involved.
11. To note that the scholarship amount will be released only when all the scholarship holders put in 75% attendance every month.
12. To provide, in their own interest, the change in the address of father/guardian, if any, to the office / department as soon as they return from summer vacation.
13. To maintain silence in the Library.
14. To submit to the disciplinary jurisdiction of the authorities and obey the rules and regulations made by the institution from time to time.
15. Not to form any formal and informal groups on the basis of caste, community and religion.
16. Not to be in the Canteen or at any public place during working hours of the college.
17. To note that teasing women and committing nuisance on the campus, on college grounds and at programmes are strictly prohibited.
18. To note that any violence on the campus, destruction of college property, manhandling of teachers or administrative staff or any other person in the college campus or the authorities of the college and misbehaviour with girl students will be viewed seriously. Erring persons will be liable for disciplinary action such as expulsion or rustication for specific period etc.
19. To note that ragging in any form, within or outside any educational institution is strictly
20. Prohibited (refer Prohibition of Ragging in Educational Institutions Act 26 of 1997). Any student convicted of the offence of ragging will be punished with imprisonment as laid down in the said Act.
21. To note that defacing of the campus buildings and walls by sticking bills posters etc. or by writing is prohibited.
22. To note that all types of malpractices and unfair means in the examination hall including assault on invigilators, misbehaving in the examination hall and impersonation are punishable offences.
23. Class representatives must attend the meetings convened by the Principal and inform the decisions taken in the CRs meetings to their respective classmates.
24. The students and parents must regularly browse the college website [www.iare.ac.in](http://www.iare.ac.in) to know the academic information such as student's attendance, midterm/end exam marks, examination schedules, examination results etc.

# ACADEMIC REGULATIONS

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For pursuing four year undergraduate Bachelor Degree programme of study in Engineering (B.Tech) offered by Institute of Aeronautical Engineering under Autonomous status and herein after referred to as IARE

## CHOICE BASED CREDIT SYSTEM:

The Indian Higher Education Institutions (HEI's) are changing from the conventional course structure to Choice Based Credit System (CBCS) along with introduction to semester system at first year itself. The semester system helps in accelerating the teaching-learning process and enables vertical and horizontal mobility in learning.

The credit based semester system provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. The choice based credit system provides a cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning.

Choice Based Credit System (CBCS) is a flexible system of learning and provides choice for students to select from the prescribed elective courses. A course defines learning objectives and learning outcomes and comprises of lectures / tutorials / laboratory work / field work / project work / comprehensive Examination / seminars / assignments / alternative assessment tools / presentations / self-study etc. or a combination of some of these.

Under the CBCS, the requirement for awarding a degree is prescribed in terms of number of credits to be completed by the students.

### **The CBCS permits students to:**

1. Choose electives from a wide range of elective courses offered by the departments.
2. Undergo additional courses of interest.
3. Adopt an interdisciplinary approach in learning.
4. Make the best use of expertise of the available faculty.

The medium of instruction shall be English for all courses, examinations, seminar presentations and project work. The curriculum will comprise courses of study as given in course structure, in accordance with the prescribed syllabi.

## **TYPES OF COURSES:**

Courses in a programme may be of three kinds: Foundation / Skill, Core and Elective.

### **Foundation / Skill Course:**

Foundation courses are the courses based upon the content leads to enhancement of skill and knowledge as well as value based and are aimed at man making education. Skill subjects are those areas in which one needs to develop a set of skills to learn anything at all. They are fundamental to learning any subject.

### **Core Course:**

There may be a core course in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

### **Elective Course:**

Electives provide breadth of experience in respective branch and applications areas. Elective course is a course which can be chosen from a pool of courses. It may be:

- Supportive to the discipline of study
- Providing an expanded scope
- Enabling an exposure to some other discipline/domain
- Nurturing student's proficiency/skill.

An elective may be discipline centric (Professional Elective) focusing on those courses which add generic proficiency to the students or may be chosen from an unrelated discipline called as Open Elective.

There are six professional elective groups; students can choose not more than two courses from each group. Overall, students can opt for four professional elective courses which suit their project work in consultation with the faculty advisor/mentor. Nevertheless, one course from each of the two open electives has to be selected. A student may also opt for more elective courses in his area of interest.



# CIVIL ENGINEERING ASSOCIATION

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To enhance the experience of education IARE has taken the initiative to start a Technical Association **“CEISTA –Civil Engineers Integrated Technical Association on 25th July, 2015 (Saturday) at 2:00 PM**

It has been requested to all the faculty and students of Civil Department to make the program a grand success by their active participation and encouragement.

Following programs has been conducted on this occasion:

Introduction of chief guests

Presentation of  
memento to chief Guest

Lamp lighting ceremony

Prize distribution to logo and  
video Winners (1st,2nd,3rd )

Welcome speech by HOD

Technical quiz

Inauguration of LOGO

Various performances  
by students

Speech by chief guest

Technical debate

Vote of thanks

# CHAPTER OF **Technical Bodies**

## THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

The Indian Society for Technical Education is a national, professional, and non-profit making society registered under the Societies Registration Act of 1860. First started in 1941 as the Association of Principals of Technical Institutions (APTI), it was converted into Indian Society for Technical Education in 1968 with a view to enlarge its activities to advance the cause of technological education in the country.

### **IARE SAE Student Chapter**

ISTE CHAPTER was established at Institute of Aeronautical Engineering on 2006. The chapter started with 20 staff members and continued till date with all the staff members as registered members.

## AMERICAN SOCIETY OF CIVIL ENGINEERS

ASCE represents more than 150,000 civil engineers worldwide dedicated to designing & building infrastructure that protects the public health, safety, & welfare.



### **IARE SAE Student Chapter**

American Society of Civil Engineers (ASCE) is a community of students, faculty and staff members of the department of Civil Engineering started in the year 2009. ASCE primarily aims at increasing the level of interaction among the students and faculty members, through several events and programs.

## THE INSTITUTION OF ENGINEERS INDIA

The Institution of Engineers (India) (IEI), the premier professional body of engineers in India, has contributed significantly in all faculties of engineering and all sectors of applications like academics, administration, industry, infrastructure and consultancy. IEI has been functioning under the objectives laid down in the Royal Charter, sanctioned in 1935, and has contributed to the national socio-techno-economic development policies.

### IARE IEI Student Chapter

IEI Chapter was established at Institute of Aeronautical Engineering in the year 2012. IARE encourages the students and staff equally to become a member and take advantage of the various benefits of the Chapter. The IEI chapter of IARE conducts various events such as expert lectures, workshops, seminars, Industrial visits, etc. to assist staff and students for updating their technical knowledge.

## INDIAN CONCRETE INSTITUTE

Indian Concrete Institute is one of the leading professional bodies in India, catering to the professional needs of individuals and organisations involved in Concrete. Being a non-profit Organisation, it is dedicated to the cause of Disseminating Knowledge on Concrete, to Promote Concrete Technology and Construction and to address the Research Needs of Concrete.

### IARE ICI Student Chapter

To create awareness amongst the budding civil engineers about modern concrete construction practices and promote the growth of concrete constructions, ICI Student Chapter IARE has organized many technical events and non-technical events to boost up enthusiasm level of the students, helping them in bridging the gap between knowledge and practice.

Participation in ICI conducted competitions, guest lectures, conferences, technical site visits, opportunities to interact with practicing professionals not only helped students learn about the wonderful concrete industry but also instilled within them interest in the field and courage of approaching the oncoming professional life.

# PLACEMENT SYLLABUS

Aptitude Syllabus for B.Tech I <sup>st</sup> Year		
Numerical Aptitude	Logical Reasoning	Verbal Ability
How to Prepare for Maths; Addition & Subtraction; Multiplication & Division; Divisibility; Squaring; Cube; Square roots & Cube roots; HCF & LCM; Fractions; Decimals; Fractions; Surds & Indices	Syllogism; Blood Relation; Venn Diagram; Series Completion; Directions and senses; Coding & Decoding	Grammar Introduction; Adverbs, Adjectives; Articles & Tenses; Subject verb agreement & Preposition Articulation skills; Listening skills; Techniques to reading; Essay and precis writing; Report writing; Presentation skills

Aptitude Syllabus for B.Tech III <sup>rd</sup> Semester		
Numerical Aptitude	Logical Reasoning	Verbal Ability
Permutation and Combination; Probability; Ratio and Proportion; Partnership; Percentage; Average; Problems Based on Ages; Profit and Loss; Simple Interest; Compound Interest	Logical Deduction; Seating arrangement problems; Circular arrangement Problems; Inserting Missing Character	Communication; Listening skills; Reading comprehension; Presentation techniques; Group discussion; Interview skills; Technical writing skills; Curriculum Vitae; Report writing

Aptitude Syllabus for B.Tech IV <sup>th</sup> Semester		
Numerical Aptitude	Logical Reasoning	Verbal Ability
Alligation; Time and Work; Work and Wages; Pipes and Cisterns; Time and Distance; Trains; Boats and Streams; Elementary Mensuration -1; Measurement of Areas; Elementary Mensuration -2; Measurement of Volume and Surface Areas; Number series	Cubes and Dice; Data Sufficiency; Day Sequences; Puzzle test	Comprehension; Vocabulary Enhancement; Antonyms and synonyms; Choose the right word; One word substitutes; Subject verb agreement; Active and passive voice Tenses; Articles and prepositions; GK exercises

# CIVIL ENGINEERING ASSOCIATION

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Research plays a critical role in the process of innovation. It is primarily an investment and effort in technology and future capabilities which is transformed into new products, processes, and services. IARE has taken a quantum leap into Research and Development initiatives in recent years, constantly encouraging faculty and students for out-of-the-box thinking and generating new and revolutionary ideas to bring about societal change.



IARE Research Centre put in motion proactive applied research to help solve the technical and scientific problems of the industries and defence organizations. It focuses on research areas related to educational research and develop tools and techniques to address the needs of a university, faculty members and prospective students.



# Memorandum of Understanding (MoU)

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MoU with Reliable Environmental Services. This Memorandum of Understanding (the "MoU") made effective this day of 08/11/2015 by and between PRINCIPAL, IARE, (here in after referred to as "Party 1"); **Institute of Aeronautical Engineering having its office at Dundigal and Reliable Environmental Services** having its office at Hyderabad (here in after referred to as "Party 2"); with signatories of this MoU being sometimes referred to herein individually as "Party" or collectively as "Parties". WHEREAS



1. The Party 1 is desirous to get the **WATER AND WASTE MANAGEMENT WORKSHOP** studies conducted for the major and medium irrigation projects in association with Party 2.
2. The Party 2 has been conducting such studies.
3. The Parties see mutual advantage in establishing a collaboration to further proceed for the **WATER AND WASTE MANAGEMENT WORKSHOP** studies.
4. It is the intent of the parties that the **WATER AND WASTE MANAGEMENT WORKSHOP** studies shall be complete as per schedule.

# LIST OF BOOKS IN DEPARTMENT IBRARY

S.No	Name of the subject	Author	No of books
1	Surveying	S.K Duggal : Vol-I &II	3
2	Surveying	Dr. A.M Chandra -Plane Surveying	2
3	Surveying	B.C Punmia vol-I&II&III	6
4	Surveying	R.Subramanyam	2
5	Strength of Material	R.K Bansal	1
6	Strength of Material	S.S Bhavikatti	2
7	Strength of Material	H.I Shah-vol-I	2
8	Strength of Material	S.S PrakashRao	2
9	Strength of Material	Ramamrutham	2
10	Environmental Studies	ErachBharucha	2
11	Environmental Studies	Anubhakaushik	2
12	Structural Analysis	Vazrani&Ratwani-Vol-I&II	4
13	Structural Analysis	Pundith&guptha-Vol-I&II	2
14	Structural Analysis	Bhavikatti-Vol -I&II-	4
15	Structural Analysis	C.S Reddy	2
16	Structural Analysis	perumallu	2
17	Building material, construction and material	B.cPunmia	2
18	Building material, construction and material	Arora&Bindra	2
19	Building material, construction and material	Mahaboobbasha	2
20	Building material, construction and material	varghese	2
21	Concrete Technology	M.S.Shetty	2
22	Concrete Technology	A.M. Neville	2
23	Concrete Technology	M.L. Gambeer	2
24	Design of reinforced concrete structures	Limit state varghese	1
25	Design of reinforced concrete structures	N. Krishna raju	2
26	Design of reinforced concrete structures	Unnikrishnapillai	2
27	Design of reinforced concrete structures	Neelam Sharma	2
28	Design of reinforced concrete structures	B.cPunmia vol-I&II	4
29	Engineering Geology	Chennakeshavalu	2
30	Engineering Geology	Venkatreddy	2
31	Engineering Geology	Parbinsingh	2
32	Engineering Geology	K.V. G. K. Ghokle	2
33	Geotechnical engineering I	V.N.s Murthy	2
34	Geotechnical engineering I	GopalRanjan	2
35	Geotechnical engineering I	M.Das	2
36	Geotechnical engineering I	C.Venkatarammaiah	2
37	Geotechnical engineering I	Arora	2
38	Geotechnical engineering I	Gulhati	2

39	Water Resource Engineering -I&II	Arora	2
40	Water Resource Engineering -I&II	Ojha	2
41	Water Resource Engineering -I&II	Biride	2
42	Water Resource Engineering -I&II	Jai ram reddy	
43	Water Resource Engineering -I&II	Pumnia&Lal	2
44	Water Resource Engineering -I&II	S.K.Garg	2
45	Elective-I (DMM)	PradeepSahani	1
46	Elective-I (DMM)	R.R.Krishnamurty	1
47	Steel structure design and drawing	N. Subramanyam	2
48	Steel structure design and drawing	S.K. Duggal	2
49	Steel structure design and drawing	Bavikatti	2
50	Steel structure design and drawing	B.C Punmia	2
51	Steel structure design and drawing	RamchandarVol-I&II	4
52	Environmental Engineering	S.K Duggal	2
53	Transportation Engineering-I&II	S.K Kanna& Justo	2
54	Transportation Engineering-I&II	Kadiyali	2
55	Transportation Engineering-I&II	Kadiyali&Lal	2
56	Transportation Engineering-I&II	S.P. Bindre	2
57	Foundation Engineering	B.M.Das	2
58	Foundation Engineering	GopalRanjan	1
59	Foundation Engineering	S.K Gulhati	2
60	Foundation Engineering	varghese	2
61	Ground Improvement Technology	Punmia	1
62	Ground Improvement Technology	Purushotham	2
63	Ground Improvement Technology	P.M.Modi	2
64	Environmental Impact Assesment	Anjaneyulu	2
65	Estimating and Costing	B.N. Datta	2
66	Estimating and Costing	Biridie	2
67	Finite Element Method	chandruptla	2
68	Finite Element Method	Bavikatti	2
69	Watershed Management	J.S.V.Murty	2
70	Advanced structural design	varghese	2
71	Water resource system analysis	Vedula&Majumdar	2
72	Waste water treatment	M.N. RaoDatta	2
73	RS&GIS	Anjireddy	2
74	Pre stressed concrete	S.Ramamrutham	2
75	Pre stressed concrete	Raj gopalan	2
76	Construction Management	B.C.Punmia	2
77	Construction Management	Srinadh	1
		TOTAL	158

## EMINENT PROFESSORS



### Dr. G. Venkata Ramana

#### Professor & Head

**Dr. G. Venkata Ramana** is a Professor of Civil Engineering. He obtained his B.Tech in Civil Engineering from Chaitanya Bharathi Institute of Technology (CBIT) and his M.Tech in Water Resource Engineering from Jawaharlal Nehru Technological University Hyderabad (JNTUH). He has obtained Ph.D from JNTUH, Hyderabad.

He has published a textbook on Water Resources Engineering – I and has published 6 laboratory manuals in various Civil Engineering disciplines. He also published 15 research papers in international journals and 20 research articles in various international and national conferences. He was awarded in Telugu Book of Records (TBR) & State Book of Records (SBR) for successfully completing 25 various discipline degrees from different recognized universities



**Dr. J S R Prasad** is a professor and head of Civil Engineering and has 15 years of experience in industry, research and academics. He obtained B.Tech from Andhra University, Vizag; M.Tech from Indian Institute of Technology, Roorkee. He was conferred Ph.D by IIT, Roorkee in 2009 for his research on Seismic Risk Assessment of Indian Housing Stock. He has published 15 research papers in national and international journals.



**Dr. Akshay S K Naidu** is a professor of Civil Engineering. He obtained his B.Tech. degree in Civil Engineering in 1997 from Indian Institute of Technology (IIT), Delhi and his M.E. in Structural Engineering from the National University of Singapore (NUS) in 2000. He obtained his Ph.D in 2004 from Nanyang Technological University (NTU), Singapore.

He has published 12 highly cited research articles in reputed SCI indexed international journals and conferences. He has also been an active and effective educator throughout his career of 12 years in various institutes including National Institute of Technology (NIT), Warangal. He is a chartered engineer and member of Institution of Engineers, India (IEI) and also a member of Indian Concrete Institute (ICI).



**Dr. Kavita Singh** is an Associate Professor in the department of Civil Engineering. She has 10 years of experience in industry, research and academics. She obtained her Master's degree from Osmania University, Hyderabad and was awarded Ph.D from JNT University, Hyderabad in the year 2012. She has published 6 papers in national and international journals and conferences in India and abroad.

# EMINENT PROFESSORS

## Faculty

### Professors

**Dr. JSR. Prasad - M.Tech, Ph.D**

### Associate Professors

**Dr. Kavita Singh- Ph.D**

**Mr. N.Venkata Rao- M.Tech, (Ph.D)**

**Mr. G Rama Krishna- M.Tech, (Ph.D)**

### Assistant Professors

**Mrs. R Ramya Swetha-M.Tech (Ph.D)**

**Mr. G. Anil Kumar-M.Tech (Ph.D)**

**Ms. Praveena Rao-M.Tech**

**Mr. R. Suresh Kumar-M.Tech**

**Ms. B. Navya-M.Tech**

**Mr. Suraj Bairak-M.Tech**

**Mr. D. Muni Venkata Praneeth**

**Mr. B. Suresh-M.Tech**

**Mr. A.Srinivas-M.Tech**

**Ms. S. Bhagyalaxmi-M.Tech**

**Ms. J. Hymavathi-M.Tech**

**Mr. Ch. Bala Krishna-M.Tech**

**Mr. S.V. Konda Reddy -M.Tech**

**Mr. S. Selvaprakash-M.Tech**

**Ms. P. Shruthilaya-M.Tech**

**Mr. K. Anand Goud-M.Tech**

**Mr. Y. Ravi Kumar-M.Tech**

**Ms. K Anusha Hadassa-M.Tech**

**Mr. K.Tarun Kumar-M.Tech**

**Mr. D. Sai Kumar-M.Tech**

## Associations

1. The department has counterfeit sturdy associations with leading organizations of R & D activities.
2. A Number of Guest Lectures and Training programs were conducted under the ICI (Indian Concrete Institute) and IE (Institution of Engineers).
3. The department has association with Autodesk certification courses for the training of Auto CAD and Rivet Architecture.
4. The department has association with Ark solution for the training of STAAD. Pro

## Funded Projects

1. Water Distribution System Network analysis using EPANET on Dire Dawa City, Ethiopia. (Funded by Dire Dawa University).
2. Feasibility of groundwater based irrigation potential in Shinele Zone Ethiopian Somali regional state
3. Model of Gokaraju Rangaraju Institute of Engg. & Technology (GRIET) with a scale of 1:200 was prepared, during March 2012 to August 2012.
4. Model of Outer Ring Road, A stretch of Mallampet to Patancheru with a scale of 1:150 was Prepared, during January 2013 to April 2013.
5. Model of Hyderabad L & T Metrorail Project a stretch of Hydernagar to JNTUH was Prepared, during February 2013 to May 2013.



# **Institute of Aeronautical Engineering**

**(Autonomous)**

Approved by AICTE | NAAC Accreditation with 'A' Grade | Accredited by NBA | Affiliated to JNTUH, Hyderabad

Dundigal, Hyderabad - 500 043, Telangana, India

Ph : 08418 - 257181, 257202 | Cell : 99858 21446, 99850 58844, 81215 15272

E-mail : [info@iare.ac.in](mailto:info@iare.ac.in)

[www.iare.ac.in](http://www.iare.ac.in)