



# WELCOME TO NAAC PEER TEAM



**DEPARTMENT OF CIVIL ENGINEERING  
COLLEGE OF ENGINEERING  
ANDHRA UNIVERSITY, VISAKHAPATNAM  
ANDHRA PRADESH**



# OVERVIEW



- ❖ **Vision & Mission**
- ❖ **Department Profile/History/Achievement**
- ❖ **Curricular Aspects**
- ❖ **Teaching & learning**
- ❖ **Research, Innovation and Extensions**
- ❖ **Students support and Progression**
- ❖ **Infrastructure and learning resources**
- ❖ **Governance, leadership and Management**
- ❖ **Institutional values and best practices**
- ❖ **Progressive Plan**



# DEPARTMENT OF CIVIL ENGINEERING



## VISION



To become a prominent hub of quality Civil Engineering education and research contributing significantly for efficient sustainable development at regional, national and international levels.

## MISSION



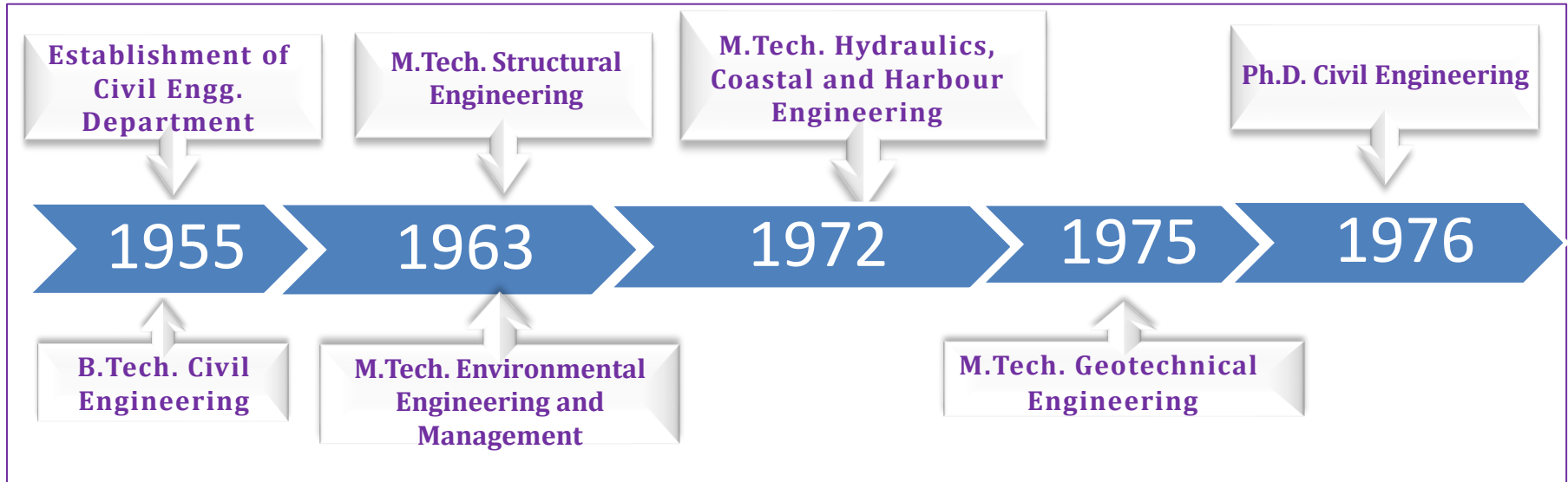
- M1:** educating and mentoring the students to meet the emerging challenges in Civil Engineering field.
- M2:** performing the basic and applied research that will positively impact and improve Civil Engineering profession.
- M3:** serving as a reliable and resourceful professional center for the society through consultancy activities and continuing programmes.



# DEPARTMENT PROFILE



Name of the Department	Civil Engineering
Year of Establishment	1955



Choice Based Credit System (CBCS)	
B.Tech. (CE)	2015
M.Tech. (SE)	2019
M.Tech. (EE & M)	2019
M.Tech. (HC & HE)	2019
M.Tech. (GE)	2019

## CBCS & OBE

**UG: B.Tech. (Civil Engineering) (2019)**

## Programmes offered (2022-2023) – NEP 2020

**UG: B.Tech. (Civil Engineering) – Honors/ Civil Engineering (Major) with minor in other braches of Engineering**



# ACHIEVEMENTS OF THE DEPARTMENT



- ISO 9001-2015 CERTIFIED
- ACCREDITED BY NAAC (UGC) WITH A-GRADE
- ACCREDITED BY NBA (AICTE) 5 YEARS
- SUPPORTED BY TEQIP, UGC-SAP, DST-FIST
- NUMBER OF GRADUATES PRODUCED : ABOUT 4500
- NUMBER OF POST-GRADUATES PRODUCED : ABOUT 1000
- NUMBER OF Ph.Ds PRODUCED : 121
  
- RESEARCH PROJECTS COMPLETED/ONGOING : 5
  - ❖ SPECIAL ASSISTANCE PROGRAMME (DRS-1) OF UGC (2012-2017) : Rs. 58.40 Lakh
  - ❖ DST-FIST (2018-2023) : Rs. 132.00 Lakh
  - ❖ SEED MONEY GRANT OF ANDHRA UNIVERSITY (2020-2022) : Rs. 27.00 Lakh
  - ❖ RPS PROJECT - AICTE, NEW DELHI (2020-2023) : Rs. 11.05 Lakh
  - ❖ NCCR project : Rs. 145 Lakh
- COST OF THE EQUIPMENT ADDED (2017-2022) : Rs. 160 Lakh
- TOTAL VALUE OF CONSULTANCY & MATERIAL TESTING (2017-2022) : Rs. 23.22 Crore
- INCOME GENERATED FOR UNIVERSITY DURING 2017-2022 : Rs. 4.4 Crore



## PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)



The objectives of the undergraduate program of B.Tech in Civil Engineering are to groom the students into graduates with

### **PEO 1:**

the proficiency in the principles of basic and engineering sciences along with planning, analysis and design and execution of the civil engineering systems.

### **PEO 2:**

an ability to apply knowledge in assessing the needs of the society for sustainable development and establishing apposite civil engineering practices.

### **PEO 3:**

an attitude towards disseminating the knowledge acquired, continued learning, professional development and team spirit and promoting awareness of environmental concerns.

### **PEO 4:**

the professional ethics and social responsibilities through participatory approach.



## PROGRAMME OUTCOMES (POs)



**After completion of the Bachelor's degree, the graduate will acquire the abilities to**

PO-1

• apply the acquired knowledge and principles of Civil Engineering in the execution of Civil Engineering projects.

PO-2

• identify, understand, survey, plan, analyse and design the Civil Engineering facilities.

PO-3

• develop skills for the preparation of detailed technical reports of Civil Engineering projects.

PO-4

• analyse the available or generated data leading to fruitful interpretation and contributing to the application of the engineering principles and theory and also to adapt the best engineering practices for construction and maintenance of the Civil Engineering Structures.

PO-5

• expose the students to the latest technological developments in Civil Engineering and encourage them for continuous learning.

PO-6

• work in multidisciplinary fields with team spirit by understanding the implications of the engineering.



## PROGRAMME OUTCOMES (POs)



**After completion of the Bachelor's degree, the graduate will acquire the abilities to**

PO-7

- attain aptitude to practice the professional ethics and adhere to social responsibilities for contributing towards a just and sustainable society.

PO-8

- train students to function in multi-disciplinary teams.

PO-9

- impart adequate communication skills to make graduating students to compete at global level.

PO-10

- apply project and finance management tools to control and execute various projects.

PO-11

- an environment for interdisciplinary learning and enhance the scope of graduating students in higher studies/profession.

PO-12

- sensitize the graduating students of professional and ethical responsibilities for becoming responsible engineers to serve the society.





## PROGRAMME SPECIFIC OUTCOMES (PSOs)



**After completion of the Bachelor's degree, the graduate will acquire the abilities to**

**PSO 1:**

nurture the graduating students with adequate skills to take up civil engineering profession efficiently in developing quality infrastructure.

**PSO 2:**

enable students to excel in higher studies and research in chosen specializations through advanced learning from the professional electives.

**PSO 3:**

develop and design sustainable and smart infrastructure considering the global environmental challenges..



### POs achievement methods

- Department is implementing OBE for all UG and PG programmes
- Direct Assessment method
- Theory course - internal assessment (30%) and external assessment (70%)
- Laboratory - internal assessment (50%) and external assessment (50%)
- Internal assessment - internal mid semester examinations and continuous evaluation.
- External assessment - end semester examinations with external paper setting and evaluation.

Programme attainment is evaluated based on CO attainment for each course considering programme outcomes.

Finally the target values for POs attainment for the entire Programme are reviewed.

[Link to Sample CO-PO Mapping](#)

[Sample CO Attainment](#)

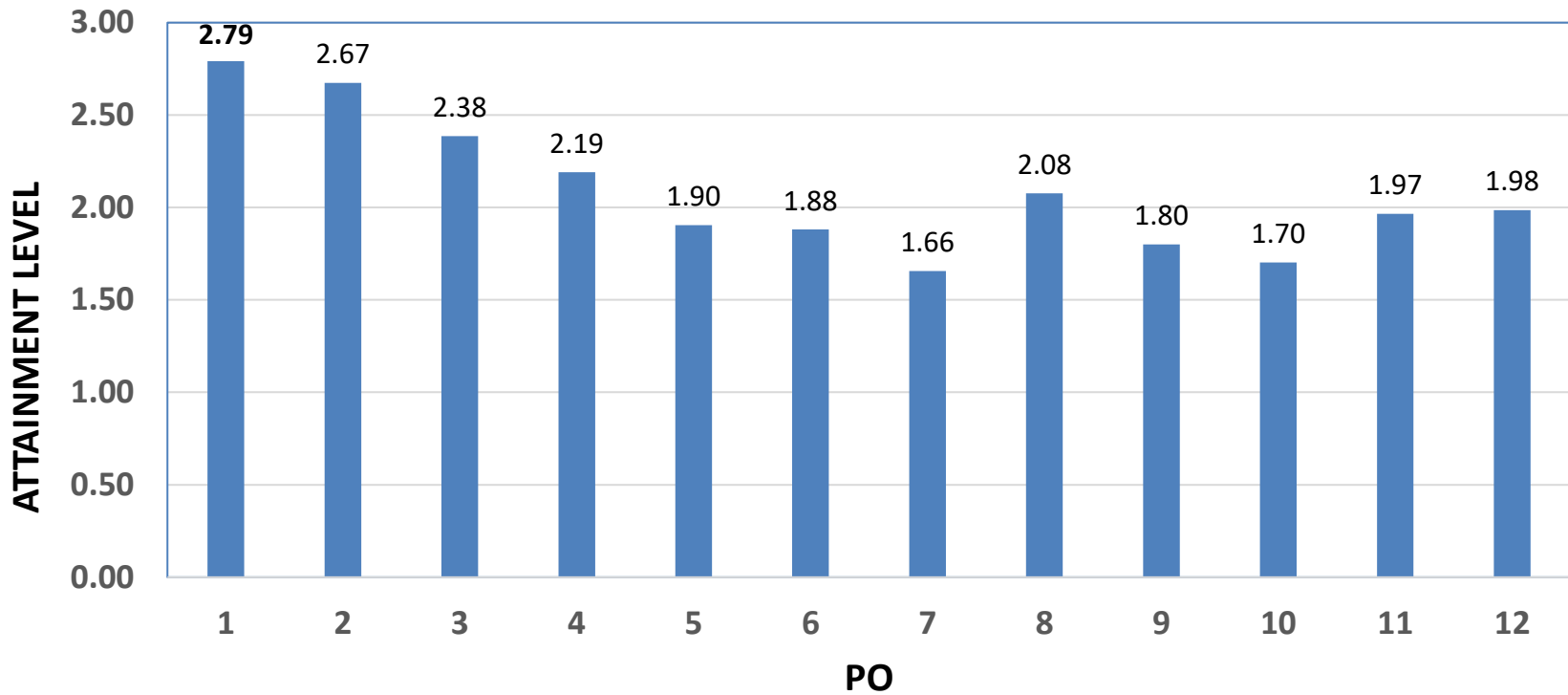
[PO Attainment](#)



# CO & PO ATTAINMENT



**PO Attainment Level**  
(Average PO Attainment of B.Tech. CIVIL ENGINEERING Program)





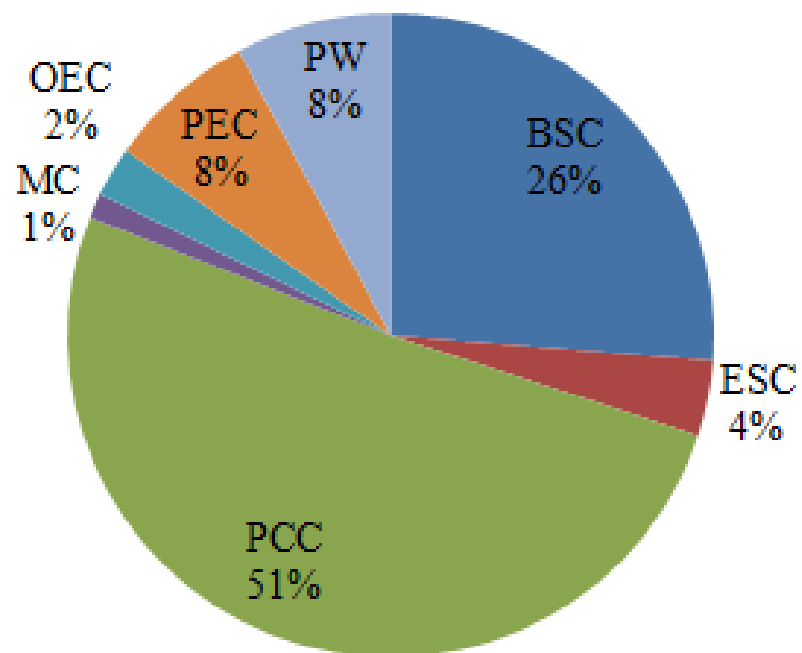
## CURRICULAR ASPECTS



### CATEGORY-WISE PERCENTAGE DISTRIBUTION OF COURSES IN B.TECH CIVIL ENGINEERING CURRICULUM

S.No.	Category	Percentage
1.	BSC - Basic science course	26
2.	ESC - Engineering science course	4
3.	PCC - Professional core course	51
4.	MC - Mandatory course	1
5.	OEC - Open elective course	2
6.	PEC - Professional Elective course	8
7.	PW - Project work	8

### CATEGORY-WISE PERCENTAGE DISTRIBUTION OF COURSES



### Scheme & Course Outcomes



# EMPLOYABILITY/SKILL DEVELOPMENT/VALUE ADDED COURSES OFFERED



## Courses with employability

Building Planning and Drawing

Estimation, Specifications and Contracts

Total Station and Geomatics Lab

## Skill development courses

Building Services and Maintenance

Computer Applications in Civil Engineering Lab

## Value added courses

Building Services and Maintenance

Computer Applications in Civil Engineering Lab

Geo-Environmental Engineering

Quality Evaluation of Civil Engineering Structures

Building Planning and Computer Aided Drawing

## Entrepreneurship

Computer Aided Analysis and Design Lab

Engineering Economics, Estimation and Costing



## VALUE ADDED TRAINING PROGRAMMES OFFERED & STUDENTS PROJECT WORKS



Name of the programme : 1. Python for Civil Engineering (March 22 – 31, 2022)

Number of students participated: 120

2. MATLAB- Introduction & Applications  
(December 12 – 24, 2022)

Number of students participated: 92

Course faculty : Ms. Sanjukta Das, PMRF, IIT Bombay

Name of the Course Co-ordinator : Prof. C.N.V.Satyanarayana Reddy, Head,  
Department of Civil Engineering

### Student Project works

Encourage students to take up live projects in collaboration with R&D organisations and industry.

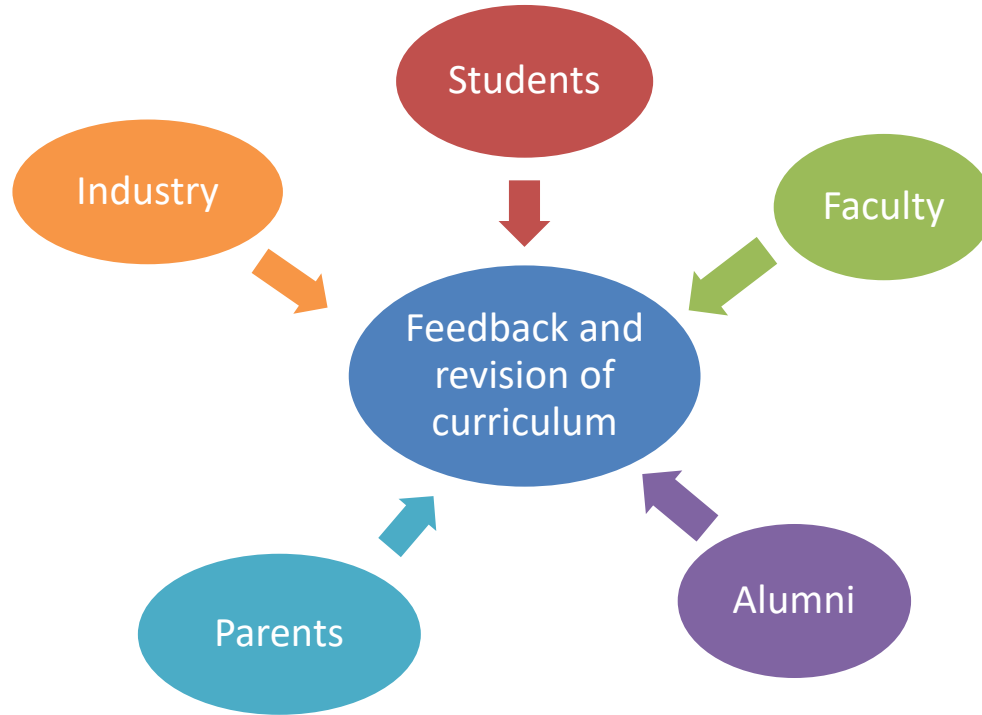
B.Tech. STUDENT PROJECT WORKS : 2021-2022

B.Tech. STUDENT PROJECT WORKS : 2022-2023

M.Tech. STUDENT DISSERTATIONS: 2021-2022



# CURRICULUM REVISION



**BoS includes members representing:**  
Industry, Alumni , Students & Other  
University / College Faculty

## FEEDBACK FOR IMPROVEMENT

- **Feedback on curriculum is collected and analysed .**
- **The modifications in the curriculum are incorporated based on feedback collected from all stakeholders.**



# FACULTY PROFILE



S. No.	Name of the teacher	Designation	Qualification	Total Teaching Experience
1	<a href="#">Prof. G.V. R.Srinivasa Rao</a>	Professor	B.E. (Civil), M.E.(PH&EE), M.E. (Structures), MBA (HRM), Ph.D. A.U.)	34 y
2	<a href="#">Prof. T.V.Praveen</a>	Professor	B.E.(Civil), M.Tech.(Hyd, IIT Kanpur), Ph.D.(IIT Bombay)	30 y
3	<a href="#">Prof. K.Rambabu</a>	Professor	B.E.(Civil), M.E. (Structures), Ph.D.(A.U.)	34 y
4	<a href="#">Prof. C.N.V. Satyanarayana Reddy</a>	Professor	B.Tech.(Civil), M.Tech.(Geotech-IIT Madras), M.E. (Structures), Ph.D. (NIT Warangal)	31 y
5	<a href="#">Prof. S.Bala Prasad</a>	Professor	B.Tech.(Civil), M.E.(PH & EE), Ph.D.(IIT Roorkee)	28 y
6	<a href="#">Prof. P.V.V.Satyanarayana</a>	Professor	B.E. (Civil), M.E.(SM & FE), Ph.D.(A.U.)	28 y
7	<a href="#">Prof. K.Durga Rani</a>	Professor	B.E.(Civil), M.Tech.(Transp. Engg-NIT Warangal), Ph.D. (IIT Madras)	28 y
8	<a href="#">Prof. B.Vijaya Saradhi</a>	Professor	B.E.(Civil), M.E.(PH & EE), M.E.(Structures), Ph.D.(A.U.)	28 y





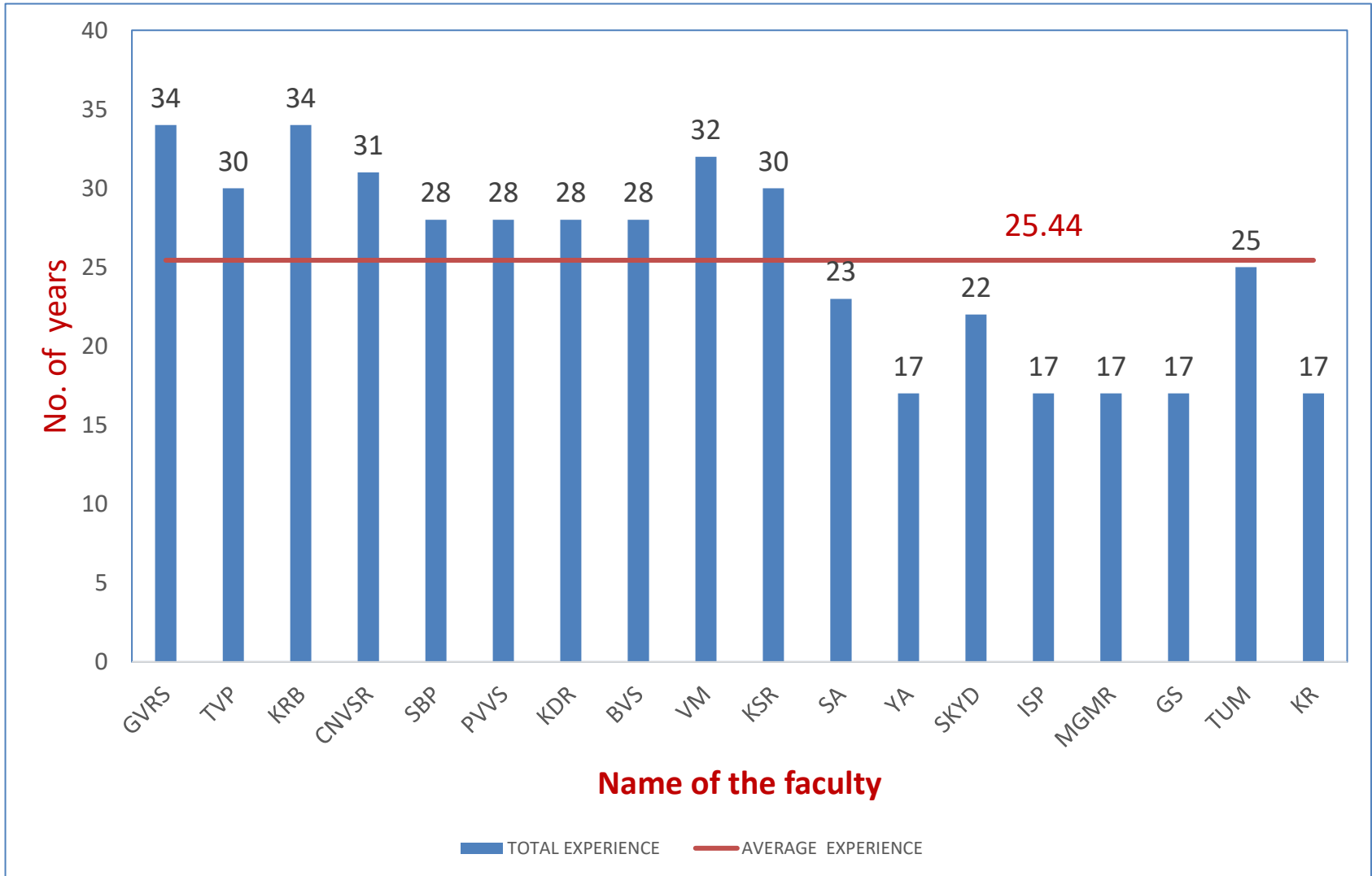
## FACULTY PROFILE CONTD..



S. No.	Name of the teacher	Designation	Qualification	Total Teaching Experience
9	<a href="#">Prof. Vazeer Mahmood</a>	Professor	B.E.(Civil), M.E.(Hyd), M.Tech (RS & GIS), M.E (Structures), Ph.D.(A.U.)	32 y
10	<a href="#">Prof. K.Srinivasa Rao</a>	Professor	B.E. (Civil), M.E. (Structures). Ph.D.(A.U.)	30 y
11	<a href="#">Prof. S Adishesu</a>	Professor	B.E. (Civil), M.E. (Structures), Ph.D.(A.U.)	23 y
12	<a href="#">Prof. Y.Abbulu</a>	Professor	B.E. (Civil), M.E. (H, C & H Engg.), M.E. (SM & FE), Ph.D. (A.U.)	17 y
13	<a href="#">Prof. Shaik Yajdani</a>	Professor	B.E. (Civil), M.E. (Structures), Ph.D.(JNTU, Anantapur)	22 y
14	<a href="#">Prof. I. Siva Parvathi</a>	Professor	B.E. (Civil), M.E. (H, C & H Engg.), M.E. (Structures), Ph.D. (A.U.)	17 y
15	<a href="#">Prof. M.G.Muni Reddy</a>	Professor	B.E. (Civil), M.Tech. (HWRE), M.Tech. (Naval Arch.), Ph.D.(IIT Madras)	17 y
16	<a href="#">Dr. G.Sireesha</a>	Associate Professor	B.E.(Civil), M.S. (Geotech,-IIT Madras), Ph.D. (A.U.)	17 y
17	<a href="#">Dr. T.Usha Madhuri</a>	Associate Professor	B.E. (Civil), M.E. ( PH & EE), Ph.D. (A.U.)	25 y
18	<a href="#">Dr. K.Rajasekhar</a>	Associate Professor	B.Tech. (Civil), M.Tech.(Structures), Ph.D. (JNTU, Anantapur)	17 y



# FACULTY EXPERIENCE





# TENURE TRACK FACULTY



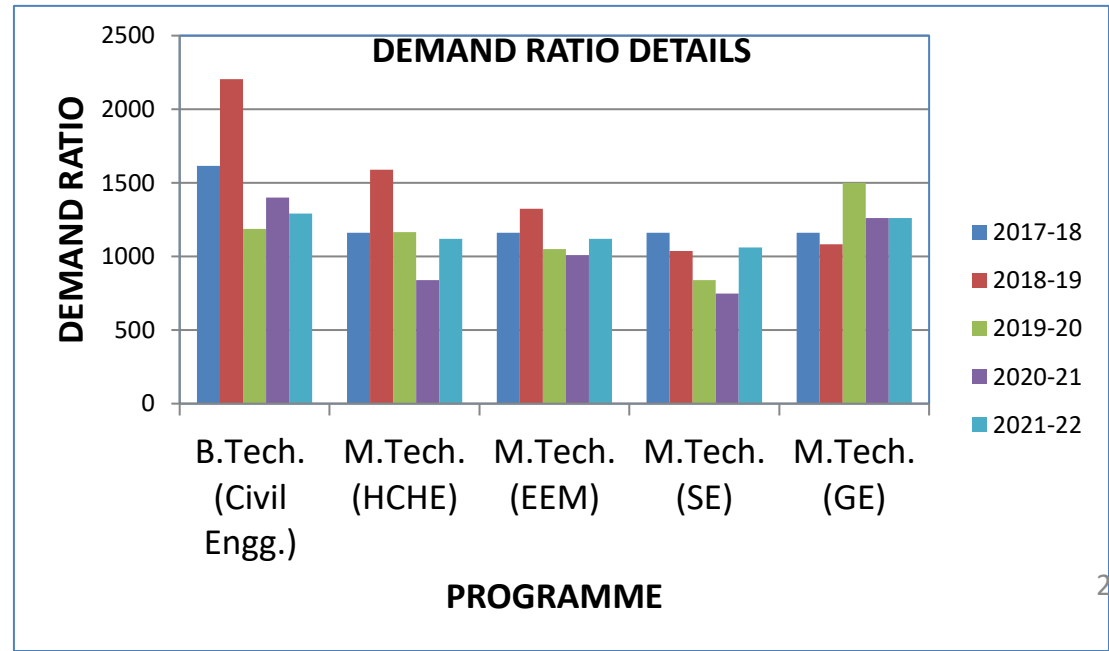
S.No.	Name of the Teacher	Qualification	Designation
1.	Prof. Rao S. Govindaraju Bowen Engineering Head, Lyles School of Civil Engineering, Purdue University, Indiana	B.Tech. (Hons.)(Civil –IIT Kharagpur), M.S. (Univ. of Kentucky), Ph.D.(Univ. of California, Davis)	Visiting Professor
2.	Prof.M.R.Madhav Visiting Professor, IIT Hyderabad & former Professor, Head, Civil Engineering, IITKanpur	B.E. Honours (Civil), ), M.E. ( S. M.& F. E.- IISc. Bangalore), Ph.D.(IISc. Bangalore)	AICTE-INAE Distinguished Visiting Professor
3.	Prof. G.V. Rao Former Professor and Head, IIT Delhi	B.Tech. (Civil), M.Tech. ( S. M.& F. E.-IISc. Bangalore), Ph.D. ( IISc.Bangalore)	Visiting Professor
4.	Prof. K.Rajagopal Former Professor, Civil Engineering, IIT Madras	B.Tech. (Civil), M.Tech.(Ocean Engg. – IIT Madras), Ph.D(Univ. of Florida, Gainesville)	Adjunct Professor
5.	Prof. D.S.R. Murty Former Professor and Head, Civil Engineering, AU	B.E. (Civil), M.Tech. (Structures), Ph.D.(IIT Kanpur)	Honorary Professor
6.	Ms. M.Nagalakshmi	B.Tech. (Civil), M.E.(S.M. & F.E.)	Contract Faculty
7.	Mrs. K.Tulasi	B.E. (Civil), M.E.(S.M. & F.E.)	Contract Faculty



## DEMAND RATIO



Programme	Demand Ratio				
	2017-18	2018-19	2019-20	2020-21	2021-22
B.Tech. (Civil Engg.)	1616	2205	1187	1401	1292
M.Tech. (HCHE)	1160	1589	1166	840	1120
M.Tech. (EEM)	1160	1324	1049	1008	1120
M.Tech. (SE)	1160	1036	839	747	1061
M.Tech. (GE)	1160	1083	1499	1260	1260

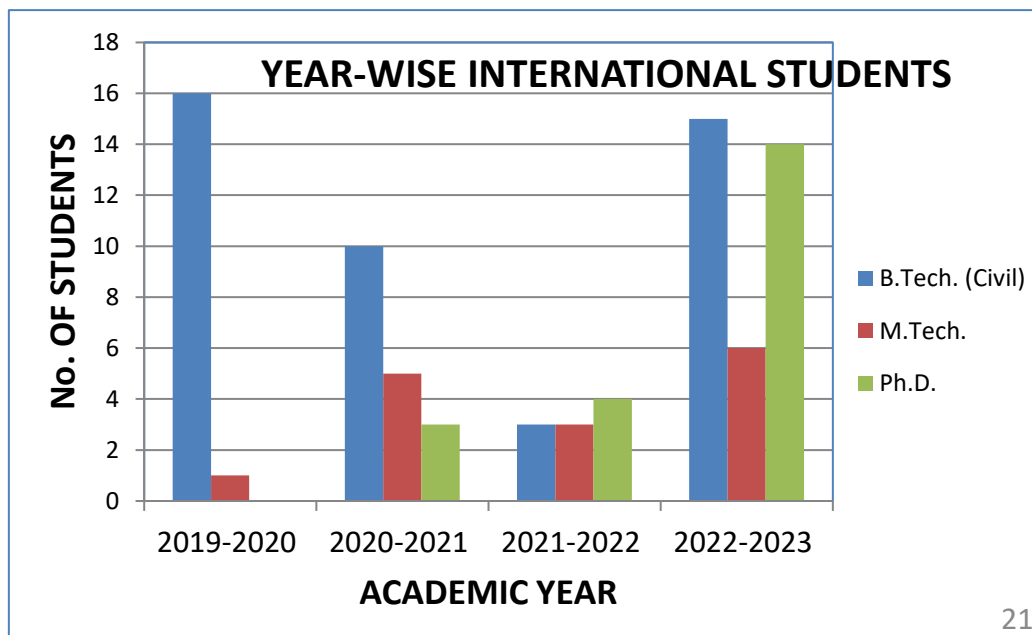




# INTERNATIONAL STUDENTS



Program	International Students from Afghanistan, Ethiopia, Nepal, Iran, Iraq, Sudan, Gere, Senegal			
	2019- 2020	2020- 2021	2021- 2022	2022- 2023
B.Tech. (Civil Engineeirng)	16	10	3	15
M.Tech.	1	5	3	6
Ph.D.	---	3	4	14





## RESEARCH, INNOVATION AND EXTENSIONS FACULTY ACHIEVEMENTS (2017-2022)



➤ <u>Awards-AP State Best Teacher Award</u>	3
➤ <u>AP Scientist Award</u>	1
➤ <u>Engineer of the Year</u>	1
➤ <u>Members in Technical Committees in State/Central/International Bodies</u>	12
➤ <u>Publications</u>	212
➤ <u>Patents</u>	27 (2G + 25P)
➤ <u>Books Published</u>	8
➤ <u>Ph. Ds awarded</u>	35
➤ <u>Workshops/Seminars/Conferences /Training Programmes organised</u>	28
➤ <u>FDPs Organised</u>	4
➤ NPTEL Courses offered - <a href="https://onlinecourses.nptel.ac.in/noc23_ce53/preview">https://onlinecourses.nptel.ac.in/noc23_ce53/preview</a>	02
➤ R&D Projects Grant	Rs. 332 Lakh
➤ <u>Value of Consultancy Works handled</u>	Rs. 16.4 Crore
➤ <u>Value of material testing services</u>	Rs. 6.82 Crore

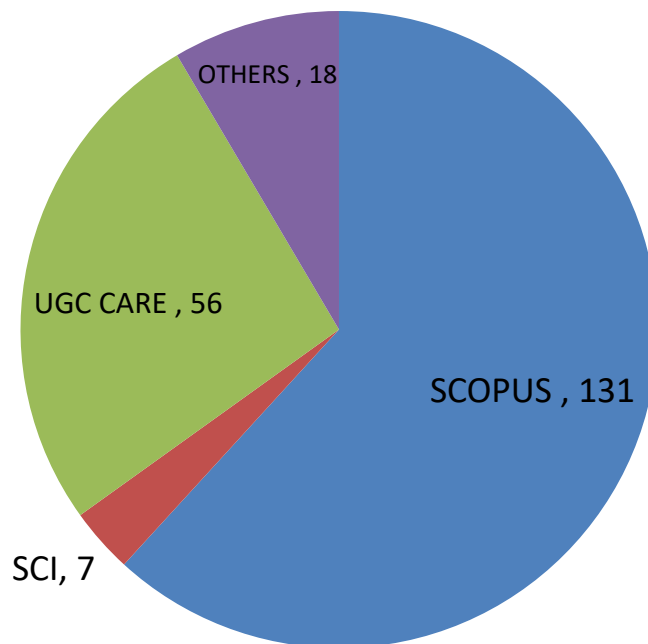


# RESEARCH, INNOVATION AND EXTENSIONS PUBLICATIONS



## PUBLICATIONS (2017-2022)

<b>SCOPUS</b>	<b>131</b>
<b>SCI</b>	<b>7</b>
<b>UGC CARE</b>	<b>56</b>
<b>OTHERS</b>	<b>18</b>

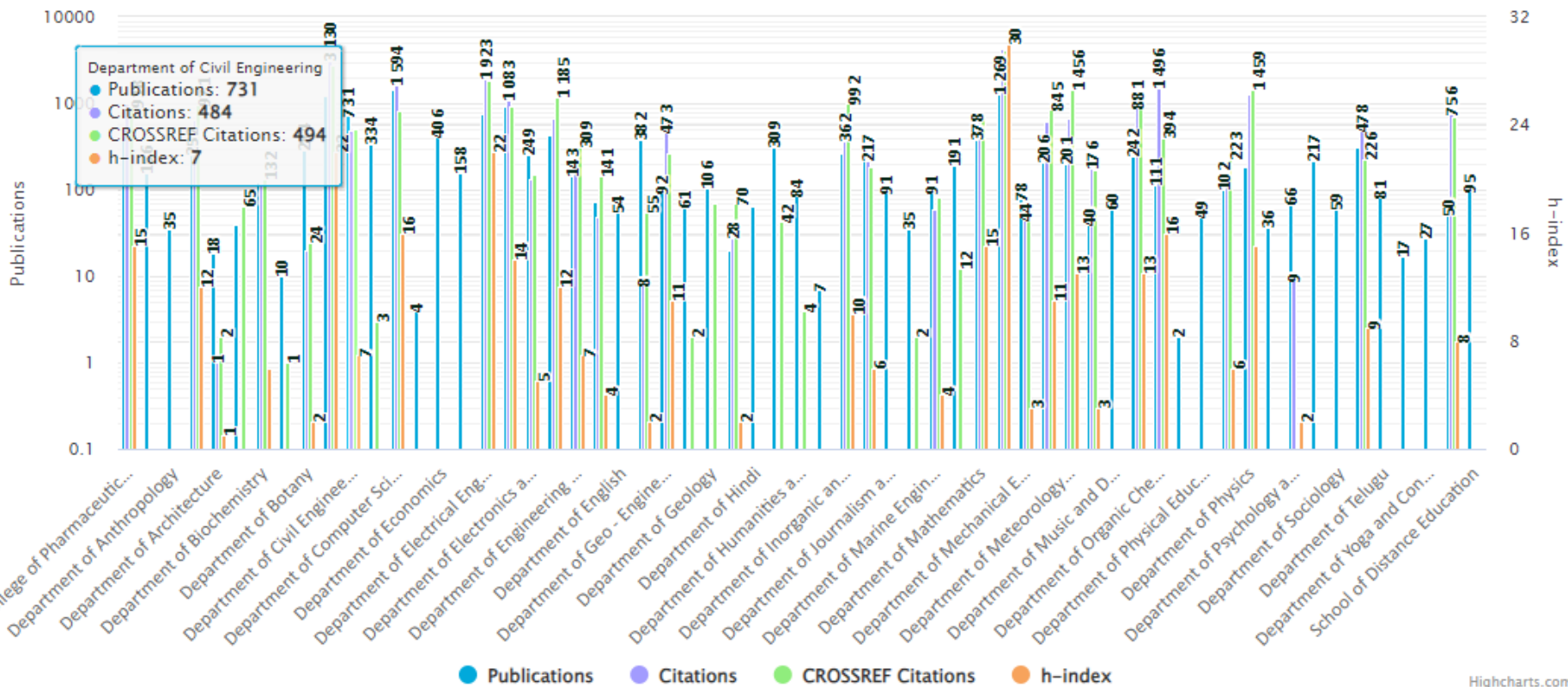




# h-INDEX OF THE DEPARTMENT



h-index







## INFRASTRUCTURE AND TEACHING RESOURCES



S.No.	Particulars	Number	Area in (sq.m)	Seating Capacity
1	Class rooms	11	1000	3 (100)+ 4 (24)+ 4(60)
2	Laboratories	7	1350	60 each
3	Drawing Hall	1	300	100
4	Research Scholars Room	4	50	4 (20)
5	Seminar/Conference Rooms	3	325	1(150), 1(120), 1 (25)
6	Staff Rooms	20	300	---
7	Open Air Gallery	1	500	250
8	Library	1	15	20
9	Computer Lab	1	150	50
10	Girls Waiting hall	1	50	50
11	Photocopying facilities	In all the Labs & Department Office		

No. of computers : 85

No. of Laptops : 1

No. of LCDs : 3

Video Conference

Facility(32" Monitor) : 1

Smart Boards : 3

Software Available

STAAD Pro,  
STRAP, CADian, PRIMAVERA



<b>Class room / Seminar Hall</b>	<b>Type of ICT facility</b>
Sir M.Visvesvaraya Conference Hall	Smart Board, 1 No. LCD, Screen for Display, Desktop
FF-1 & FF-2 in New Class Room building	Smart Board in each room
Seminar Hall	LAN and Wi-Fi Facility
	Desk Top, Screen for Display, 1 No. LCD
Mini Seminar Hall	1 No. LCD, Screen for Display

## **ICT and online resources**

- Class rooms are provided with Wi-Fi facility.
- Smart boards have been set up in class rooms for effective teaching.

## **Methods of teaching**

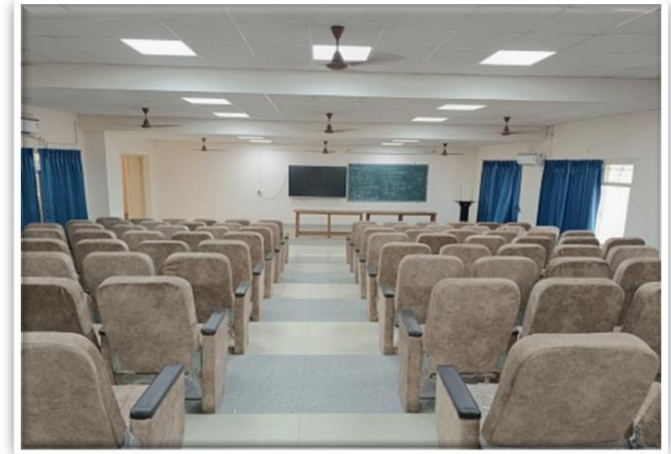
- Black board
- OHPs, LCDs , Smart Boards and models
- Online classes through Google Meet and other online platforms



## ICT FACILITIES



**Civil Engineering Seminar Hall**



**Sir MV Conference Hall**



**Class Room FF-1**



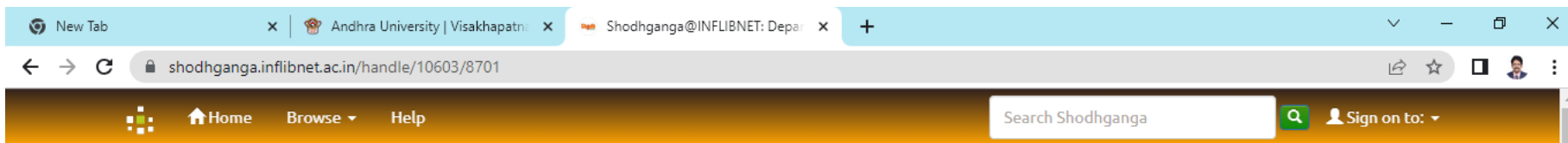
**Class Room FF-2**



# Link To Library e resources



## SHODHGANGA : Andhra university is in top 10 Indian Universities in Shodhganga



### Shodhganga : a reservoir of Indian theses @ INFLIBNET

The Shodhganga@INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access.



Shodhganga@INFLIBNET / Andhra University

### Department of Civil Engineering : [119]

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Contaminants, Settings to activate Windows. Groundwater, Densit...	2





## FACULTY STUDENT RATIO



Name of the Programme	Academic Year	Number of students	Number of faculty	Faculty student ratio
B.Tech.	2017-2018	184	20	1:18
M.Tech.		177		
B.Tech.	2018-2019	188	20	1:17
M.Tech.		149		
B.Tech.	2019-2020	226	23	1:15
M.Tech.		121		
B.Tech.	2020-2021	246	23	1:16
M.Tech.		124		
B.Tech.	2021-2022	271	24	1:17
M.Tech.		132		

**Average FSR= 1: 16.6**



## PASS PERCENTAGE (Ave. 82.2%)



Program Name	Number of students appeared	Number of students passed	Pass percentage
<b>2017</b>			
B.Tech. (Civil Engineering)	44	35	79.54%
B.Tech. (CE with Envi. Engg. as elective)	11	10	90.90%
<b>2018</b>			
B.Tech. (Civil Engineering)	33	28	84.84%
B.Tech. (CE with Envi. Engg. as elective)	11	11	100%
<b>2019</b>			
B.Tech. (Civil Engineering)	29	24	82.75%
B.Tech. (CE with Envi. Engg. as elective)	16	10	62.50%
<b>2020</b>			
B.Tech. (Civil Engineering)	34	23	67.64%
B.Tech. (CE with Envi. Engg. as elective)	10	9	90.00%
<b>2021</b>			
B.Tech. (Civil Engineering)	33	27	81.81%
B.Tech. (CE with Envi. Engg. as elective)	12	10	83.33%
<b>2022</b>			
B.Tech. (Civil Engineering)	34	31	91.17%
B.Tech. (CE with Envi. Engg. as elective)	10	10	100%



## AREAS OF RESEARCH



- Analysis and design of components of structures
- Durability aspects of Concrete Structures
- Dynamic analysis of RCC and Steel structures
- Conservation and distribution of water bodies
- Engineered Landfills, Moorum Concretes, Geotechnical Characterisation of Wastes
- Reinforced Soil Structures
- Problematic soils and Ground Improvement
- Geo Spatial applications in Civil Engineering
- Advanced Traffic Management System
- Coastal engineering, Coastal zone management, Ocean energy
- Studies on Pollution effects and its mitigation



## RESEARCH, INNOVATIONS AND EXTENSIONS Ph.Ds/JRF/SRF/DST Inspire/ICCR



### ➤ Ph.Ds awarded

2017-2022	: 35
Total	: 121

### ➤ Ph.D scholars as on date : 140

Full Time	: 34
Part Time	: 83
Executive Category	: 23

➤ Research fellowships :	JRF	: 3
	SRF	: 3
	DST Inspire	: 2
	ICCR	: 13





## RESEARCH, INNOVATIONS AND EXTENSIONS

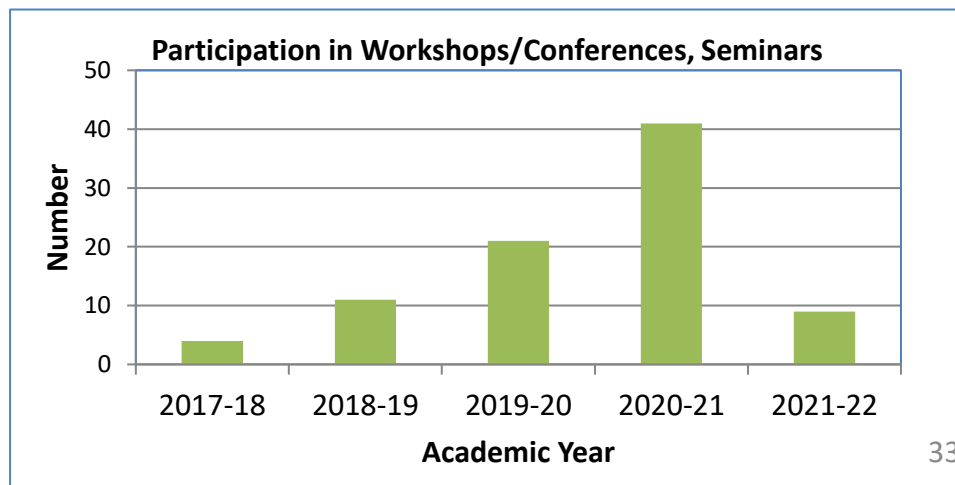
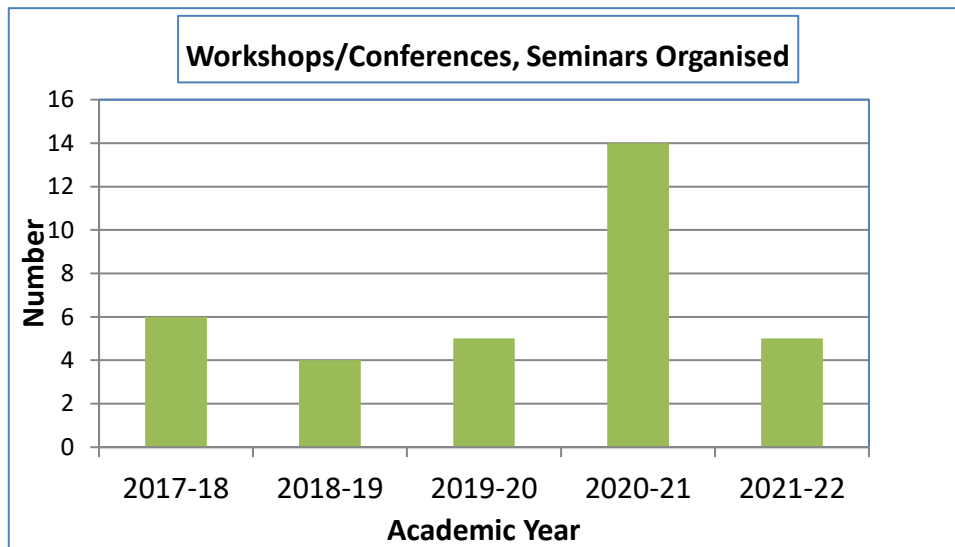
### Workshops/Seminar/Conferences/Training Programmes organised and attended



➤ Workshop/Seminar/Conferences/Training programmes organised

➤ Workshop/Seminar/Conferences/Training programmes attended

Academic Year	Workshops/ Conferences, Seminars Organised	Participation in Workshops/ Conferences, Seminars
2017-2018	6	4
2018-2019	4	11
2019-2020	5	21
2020-2021	14	41
2021-2022	5	9



## ORGANIZING COMMITTEE

**Patron**  
Prof. P.V.G.D. Prasad Reddy  
Vice-Chancellor, Andhra University, Visakhapatnam

**Co-Patrons**  
Prof. P. Srinivasa Rao, Principal, AU College of Engineering  
Prof. T.V. Praveen, HoD, Civil Engg., AUCE, Visakhapatnam

**Conference Chairman**  
Prof. C.N.V. Satyanarayana Reddy, Andhra University, Visakhapatnam

**Organizing Secretaries**  
Prof. P.V.V. Satyanarayana, Andhra University, Visakhapatnam  
Prof. B.N.D. Narasinga Rao, ANITS, Visakhapatnam  
Prof. Yerramsetty Abbulu, Andhra University, Visakhapatnam

**Joint organizing Secretaries**  
Dr. K. Rajyalakshmi, Dept. of Technical Education, A.P.  
Dr. G. Sirisha, Andhra University, Visakhapatnam  
Dr. A.C.S.V. Prasad, SRKREC, Bhimavaram  
Sri. G.V.S. Sankaranarayana, SE, VPT, Visakhapatnam

**Members**  
Prof. K. Rambabu, Andhra University  
Prof. G.V. Rama Rao, Andhra University  
Dr. K. Rajasekhari, Andhra University  
Prof. Y. Satya Prabhakar, GITAM, Visakhapatnam  
Dr. M. Srinivas, GVP College of Engineering, Visakhapatnam  
Sri Ch. V. Rama Rao, Chief Engineer (Retd.), VUDA  
Sri. Suryakant Katpale, Dy. G.M. D.C.I.L., Visakhapatnam.  
Sri. Rishi Jaivwal, Scientist D, DRDO, Visakhapatnam  
Jt. General Manager (Engg.) AAI, Visakhapatnam  
Sri S. Srikanth Reddy, Asst. Professor, SRKREC, Bhimavaram  
Sri T. Viswa Teja, Asst. Professor, ANITS, Visakhapatnam  
General Manager (Civil), HPCL, Visakhapatnam  
Dy. General Manger (Civil), NTPC, Visakhapatnam  
Dy. General Manger (Civil), Vizag Steel Plant, Visakhapatnam  
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Dr. Jaykumar Shukla, Geo Dynamics, Vadodara  
Dr. G. Sridevi, BVRIT, Hyderabad

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Mobile: +91-9849100310; E-mail: iic2020@viza@gmail.com

## Indian Geotechnical Conference 2020

### DEVELOPMENTS IN GEOTECHNICAL ENGINEERING FOR SUSTAINABLE TOMORROW (DIGEST)

(December 17-19, 2020)



Organised by



Indian Geotechnical Society  
Visakhapatnam Chapter  
in association with



ISO 9001:2015 Certified

Department of Civil Engineering  
College of Engineering, Andhra University  
Visakhapatnam - 530 003  
Andhra Pradesh, India

# INDIAN GEOTECHNICAL CONFERENCE 2020

Participants	993 (India & Abroad - from 14 countries)
Research papers presented	294
Themes	14
Technical (Parallel) Sessions	24

## ABOUT THE CONFERENCE

Indian Geotechnical Society (IGS), earlier known as Indian Society of Soil Mechanics and Foundation Engineering was established in the year 1948. The aim of the society is to promote cooperation among the engineers and scientists for the advancement and dissemination of knowledge in the field of Geotechnical Engineering. Indian Geotechnical Conference (IGC) is the annual conference of the society which has received significant attention of Geotechnical Fraternity the world over. Indian Geotechnical Conferences are organised by IGS through IGS Chapters in association with IITs, IISc., Bangalore, NITs and Universities. IGC-1989 was organised at Visakhapatnam in a grand manner by IGS Visakhapatnam chapter. The Indian Geotechnical Conference 2020 will be held at Visakhapatnam and will be a special event as Andhra University established in 1926 will be in the 95<sup>th</sup> year of its service. Original research papers and case studies in the subthemes are invited from academicians, researchers and practising engineers for presentation and discussion at the conference.

## ABOUT IGS VISAKHAPATNAM CHAPTER

IGS Visakhapatnam Chapter, the first chapter started in the state of united Andhra Pradesh is one of the oldest chapters of IGS. The chapter was inaugurated on 14<sup>th</sup> April 1978 by Prof. Dinesh Mohan and since then the chapter has been active in spreading the technological developments of Geotechnical Engineering to Practising Engineers, Academicians and Research Scholars. The chapter is well remembered by the geotechnical community for its effective organisation of IGC 1989. The city of Visakhapatnam being a coastal city and an industrial hub has been offering tremendous scope for geotechnical engineering due to diversity in subsoil characteristics. IGS Visakhapatnam chapter focussed on technical events addressing practical problems related to constructions in varied soil conditions. Visakhapatnam Chapter is maintaining the tradition of organising Terzaghi's Day every year with befitting technical events. During the last 10 years, the chapter has organised more than 15 technical seminars/workshops in the areas of Soil Retaining in Excavations, Ground Improvement, Expansive soils, Engineered landfills, Reinforced Earth Retaining walls, Coastal Erosion etc.

## ABOUT THE VENUE OF IGC 2020

The conference will be organised at the Andhra University Convention Centre located on the Beach Road, Visakhapatnam. Andhra University is a premier institution of higher learning and well known world over for its academic and research contributions. It has sprawling campus in 422 acres and is in the heart of Visakhapatnam city. College of Engineering, Andhra University, was started in the year 1955 and is one of the highly rated colleges of Engineering in the country. The institute is accredited by NAAC and NBA.

Visakhapatnam, known as City of Destiny, situated at about 24 m above sea level, is a port city and industrial hub in Andhra Pradesh. It is on the East coast of India nestled among the hills of Eastern Ghats and faces the Bay of Bengal. It is the largest city in the state of Andhra Pradesh and also home to the Eastern Naval Command. The city has long coast line with well-developed beaches and resorts. The climate is pleasant during the month of December with expected maximum day and night temperatures of 29° and 19° respectively. Visakhapatnam is well connected by Air, Rail and Road to all major cities of the country and has international connections to many cities worldwide. Interesting Tourist attractions / destinations in and around Visakhapatnam are R K Beach, Rushikonda Beach, Holy temple of Sri Lakshmi Narasimha Swamy, VUDA Park, Kailasagiri, Araku Valley and Borra Caves.

## CONFERENCE SUBTHEMES

- Soil Behavior and Characterisation of Ground
- Shallow Foundations
- Deep Foundations
- Environmental Geotechnology
- Transportation Geotechnics
- Landslides and Slope Stability
- Forensic Geotechnical Engineering
- Developments in Ground Improvement
- Numerical and Physical Modelling
- Geosynthetics and Reinforced Soil Structures
- Dynamics of Soils and Foundations
- Scour and Erosion
- Tunneling and Deep Excavations

## KEY DATES

**Abstract Submission:** March 31, 2020  
**Intimation of Abstract Acceptance:** May 15, 2020  
**Submission of Full-Length Papers:** July 31, 2020  
**Intimation of Full-Length Paper Acceptance:** September 15, 2020  
**Submission of Camera-Ready Papers:** October 15, 2020  
**Registration of Accepted Papers:** October 31, 2020  
**Conference:** December 17-19, 2020

## REGISTRATION FEE

Delegate Category	Up to 31 <sup>st</sup> October 2020	After 31 <sup>st</sup> October 2020
IGS Member	INR 5500	INR 6500
Non-IGS Member	INR 6000	INR 7000
Foreign Delegates		
IGS Member	US\$ 350	US\$ 400
Non-IGS Member	US\$ 400	US\$ 450
SAARC Country Delegates	INR 6000	INR 7000
Senior Citizens	INR 3000	INR 3000
Sponser	INR 2000	INR 2000
PG Students/ Research Scholars	INR 1500	INR 2000

## PRE-CONFERENCE WORKSHOP

ISSMGE Technical Committee (TC-213) workshop on "Scour and Erosion: Causes and Mitigation" will be organised on 16<sup>th</sup> December, 2020 as pre conference workshop.

## SPONSORSHIP

Sponsors are invited from various organizations, Institutions and Companies, both from public and private sectors. Details of sponsorship tariff are given below.

Sponsorship Category	Amount (INR)	Privileges
Platinum	5 Lakhs	5 Free Delegates + One Page Back Cover Advertisement in Souvenir + 15 Minutes Corporate Presentation
Gold	3 Lakhs	5 Free Delegates + One Page Colour Advertisement in Souvenir
Silver	2 Lakhs	4 Free Delegates + One Page Colour Advertisement in Souvenir
General		
A	1 Lakh	3 Free Delegates and One Page Colour Advertisement in Souvenir
B	50,000	2 Free Delegates and Half Page Colour Advertisement in Souvenir
C	25,000	One Free Delegate
Stall Exhibitors		
3m x 3m	45,000	One Free Delegate
3m x 2m	35,000	One Free Delegate
2m x 2m	25,000	One Free Delegate

For Details Visit IGC 2020 Website: [www.igc2020vz.org](http://www.igc2020vz.org) (or) Enquire at E-mail ID: [igc2020.vz@gmail.com](mailto:igc2020.vz@gmail.com)



# INDIAN GEOTECHNICAL CONFERENCE 2020





# ISSMGE TC 213 Workshop on SCOUR AND EROSION (December 16, 2020)



**Organizing Committee**  
**Advisory Committee**  
 Dr. Shinji Sassa, Chairman, TC 213, ISSMGE  
 Prof. P.V.G.D. Prasad Reddy, Vice-Chancellor, Andhra University  
 Prof. C.L. Sivakumar Babu, IISc., Bangalore, President, IGS  
 Prof. J.T. Ishihara, IIT Delhi, Secretary, IGS, Delhi  
 Prof. M.R. Madhav, AICTE-INAE Dist. Visiting Professor, IIT Hyderabad and INTU Hyderabad  
 Prof. Peri Sriavasa Rao, Principal, Andhra University College of Engineering  
 Prof. T.V. Praveen, HoD, Dept. of Civil Engineering, Andhra University College of Engineering

**Coordinator:**  
 Prof. C.N.V. Satyanarayana Reddy  
 Member of TC 213, ISSMGE  
 Andhra University, Visakhapatnam, India

**Co-coordinator:**  
 Dr. Jimmy Thomas  
 Member of TC 213, ISSMGE  
 Consulting Engineer, Ground Engineering – Geosynthetics, Reinforced Soil structures, Pavements  
 Tripunithura, Kerala, India

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**ISSMGE TC 213 Workshop  
 On  
 SCOUR AND EROSION  
 (December 16, 2020)**

Organized by  
 SIMSG ISSMGE  
 International Society for Soil Mechanics and  
 Geotechnical Engineering  
 and  
 Indian Geotechnical Society, New Delhi  
 In association with

Department of Civil Engineering  
 Andhra University College of Engineering  
 Andhra University, Visakhapatnam -530 003

ISO 9001:2015 Certified

QR Code for Registration

## ISSMGE TC 213 Workshop on SCOUR AND EROSION (December 16, 2020)

Participants 500  
(India & Abroad - from 18 countries)

**About ISSMGE Technical Committee 213**  
 The technical committee was initiated by International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) to discuss scour processes and countermeasures in the geotechnical community, a topic that was covered conventionally primarily by hydraulic engineers and scientists. The committee encourages hydraulic and geotechnical engineers to study the mutual effects of surface, subsoil and pore water.

TC 213 was termed as TC 33 "Scour of Foundations" in 1997 by ISSMGE President Prof. Ishihara with Prof. Jean Louis Braud as the founder chair. Later, in 2001, the technical committee was renamed as "Geotechnics of Soil Erosion" to broaden the scope to include subjects such as surface erosion, internal erosion in dams, etc. Subsequently, the name of the Technical Committee was changed as "Scour and Erosion" in 2010. The TC functions with a chair, vice chair and 36 nominated members from Germany, Japan, Italy, China, US, UK, India, Hong Kong, Turkey, Spain, Portugal, Canada, Netherlands, Brazil, Belgium, France, New Zealand, Australia, South Korea and Sweden.

**About Workshop on "Scour and Erosion"**  
 Indian Geotechnical Conference (IGC) 2020 is being organized by Indian Geotechnical Society Visakhapatnam chapter in association with Department of Civil Engineering of Andhra University College of Engineering, Visakhapatnam during December 17-19, 2020. The present ISSMGE TC 213 Workshop on "Scour and Erosion" is planned as the pre-conference workshop on 16<sup>th</sup> December 2020. In view of the prevailing COVID-19 pandemic situation, the workshop will be organized in online mode. India has long coast line and varied topography and is experiencing the problems of beach erosion caused by sea waves, scouring of river/canal banks and subsoil erosion during cyclone induced heavy rainfall and active monsoon period. Hence, the proposed workshop has great significance as it helps in drawing the attention of the authorities to understand the potential mechanisms and causes for scour and erosion of soils and take appropriate measures for their mitigation.

Visakhapatnam is a coastal Indian city and is plagued with the problems of beach erosion, subsoil erosion due to presence of erodible soils in urban areas, in particular in hill slopes. Hence, the workshop is planned with expert lectures by eminent academicians and practicing engineers from India and abroad to address the various issues related to sea erosion, river erosion and subsoil erosion caused by surface and subsurface flow of water. The suitability of various erosion and scour protection structures such as Groins, Gabions, Gabion structures, etc. for beach erosion issues and Gabions, Gabion/Geoecell mattress systems will be discussed during the workshop. The workshop is intended to create awareness and expose the civil engineering professionals to the causes for soil erosion / scour and impart knowledge on various mitigation methods. It is expected that the deliberations of the event will be useful for tackling problems of scour and erosion not only in India, but also in all parts of the world susceptible to such problems. The workshop addresses the issues of coastal and river scour and erosion, surface/sub-surface erosion of soils and deals with the remedial measures to be adopted to control scour and erosion.

**Registration**  
 There is no registration fee. The interested academicians, practicing engineers, research scholars and PG students of civil engineering should register for the workshop by 12<sup>th</sup> December 2020 using the link given below or QR code provided in the brochure.  
 Link for registration: <https://forms.gle/HiddmNshT4PpPEEz6>

**Workshop Schedule**  
 16 December 2020 (Wednesday)  
 Inaugural Function: 9.00a.m-9.20a.m (IST)

Name of the Speaker	Details of Lecture
<b>Dr. Shinji Sassa</b> Chair-TC 213, ISSMGE Head of Soil Dynamics Group and Research Director, International Research Center for Coastal Disasters, PARI, National Institute of Maritime, Port and Aviation Technology, Japan.	<b>9.20-10.00 a.m (IST)</b> Mechanics and Countermeasures of Scour and Internal Erosion: Tsunami/Active-Sealed-Structure Interaction
<b>Prof. Jie Han</b> Glan L. Parker Professor of Geotechnical Engineering Department of Civil, Environmental and Architectural Engineering, The University of Kansas, Kansas, USA	<b>10.10-10.50 a.m (IST)</b> Pile Behavior under Scoured Conditions
<b>Prof. Eun Chul Shin</b> Vice-President for Asia, ISSMGE Incheon National University, Incheon, South Korea.	<b>10.40a.m-11.20 a.m (IST)</b> Construction and Design of Geotextile Tube for Shore Protection
<b>Prof. M.R. Madhav</b> AICTE-INAE Dist. Visiting Professor, IIT Hyderabad & INTU, Hyderabad, India	<b>11.30a.m-12.10p.m (IST)</b> Examples, Limitations of Scour Estimation and Mitigation
<b>LUNCH BREAK</b>	
<b>Prof. V. Sundar</b> Emeritus professor, Department of Ocean Engineering, IIT Madras, Chennai-600 036, India	<b>2.00 p.m-2.40 p.m (IST)</b> Sustainable Hard and Soft Measures for Coastal Protection
<b>Mr Albert Lim Lum Kong</b> Regional Manager M/s, TenCate Geosynthetics Asia Sdn Bhd., Malaysia	<b>2.50 p.m-3.30 p.m (IST)</b> Geotube Containment System for Shoreline Protection and Land Reclamation
<b>Mr Paolo Di Pietro</b> DT Senior Specialist - Corporate Technical Division Technical Education & Know-How Manager M/s. Marcegaglia Geosynthetics, Italy	<b>3.40 p.m-4.20 p.m (IST)</b> Erosion Control Solutions with Case Studies
<b>Prof. C.N.V. Satyanarayana Reddy</b> Department of Civil Engineering A.U. College of Engineering, Andhra University Visakhapatnam – 530 003, India	<b>4.30 p.m-5.00 p.m (IST)</b> Issues Related to Erosion and Effects on Stability/Safety of Structures in Visakhapatnam
<b>Dr. M.G. Muni Reddy</b> Assoc. Prof., Department of Civil Engineering A.U. College of Engineering, Andhra University Visakhapatnam – 530 003, India	<b>5.00 p.m-5.30 p.m (IST)</b> Coastal Sediment Dynamics and Beach Erosion-Alternative Solutions

**Valdictory Function: 5.30p.m-5.45p.m (IST)**

ISSMGE TC 213 Workshop (PRECONFERENCE WORKSHOP - IGC 2020) SCOUR AND EROSION (December 16, 2020)

Organized by International Society for Soil Mechanics and Geotechnical Engineering, Indian Geotechnical Society, New Delhi in association with Department of Civil Engineering, Andhra University, Visakhapatnam, Andhra Pradesh, India

ISSMGE TC 213 Workshop (PRECONFERENCE WORKSHOP - IGC 2020) SCOUR AND EROSION (December 16, 2020)

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# WORKSHOP ON PMAY-U (CREATING AWARENESS ON “HOUSING TO ALL”)



## ORGANISING COMMITTEE

**Chief Patron**  
Prof. P.V.G.D. Prasad Reddy  
Vice-Chancellor, Andhra University

**Patron**  
Prof. Peri Srinivasa Rao  
Principal, College of Engineering (A)

**Chairman**  
Prof. T.V.Praveen  
Head, Department of Civil Engineering

**Coordinators**  
Prof. K. Srinivasa Rao  
Dr. K.Rajasekhar

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Department of Civil Engineering  
College of Engineering (A), Andhra University  
Visakhapatnam – 530 003.

Online Workshop  
on

**Pradhan Mantri Awas Yojana (Urban) (PMAY-U)  
Awas Par Samvaad  
(Creating Awareness on “Housing for All”)**

(September 30, 2021)



ISO 9001:2015 Certified

Organized by

**Department of Civil Engineering**  
College of Engineering (Autonomous)  
Andhra University, Visakhapatnam – 530 003  
Andhra Pradesh, India

In association with



AP Township & Infrastructure Development  
Corporation Limited

## COLLEGE OF ENGINEERING (A), ANDHRA UNIVERSITY

College of Engineering (A), Andhra University, is established in the year 1955 with four departments and has grown into 15 departments. The institute is popular world over for its quality education, research and consultancy services. The institute is accredited by NAAAC and NBA. The Department of Civil Engineering is very active in spreading technological information among students, researchers and practicing engineers by way of organizing Symposia, Workshops, Conferences and Training Programmes etc.

## PMAY-U

Pradhan Mantri Awas Yojana – Urban (PMAY-U), a flagship Mission of Government of India being implemented by Ministry of Housing and Urban Affairs (MoHUA). The Mission addresses urban housing shortage among the EWS/LIG and MG categories including the slum dwellers by ensuring a pucca house to all eligible urban households by the year 2022, when Nation completes 75 years of its Independence.

Pradhan Mantri Awas Yojana (Urban) (PMAY-U) Mission under Ministry of Housing and Urban Affairs (MoHUA) proposes to conduct workshops and seminars ‘Awas Par Samvaad’ for multiple stakeholders i.e. urban practitioners, engineering/ planning/ architecture/ social sciences/ finance students, faculties, academia, Civil Society Organisations, etc., through Educational Institutions and Primary Lending Institutions (PLIs) Banks/ Housing Finance Companies.

## ABOUT THE WORKSHOP

Ongoing urbanisation, is intensifying the demand for affordable housing, especially middle and low class groups. Providing adequate and affordable housing is an ever-growing challenge. Demand for housing will rise as the population continues to increase and the migration from rural to urban areas accelerates. Housing is key for well-being and for spatial and social mobility. Prime Minister Narendra Modi has launched the Scheme “Pradhan Mantri Awas Yojana” on 25<sup>th</sup> June 2015 envisages the vision of Housing for All by the year 2022 and target beneficiaries of the scheme would be poor and people living under Economically Weaker Section (EWS) and Low Income Group (LIG) categories. The Housing for all programmes that aims to provide a home for every Indian by 2022 is a good way forward in reducing the shortage. The objective of workshop is to decimate the knowledge in the construction aspects using new construction procedures and locally available materials.

**REGISTRATION:** No registration fee for the participants.

## Theme: Technology and Innovation

## DATE AND VENUE

The online workshop will be organized on 30<sup>th</sup> September 2021. The Schedule of the Workshop is given below.

Schedule	
2:00 pm	Welcoming guests
2:05 pm	Welcome address by Prof. T.V.Praveen, HoD, Dept. of Civil Engineering, Andhra University
2:10 pm	Address by Mr. Jannana Prasanna Kumar, M.Tech., Chairman, APTIDCO
2:15 pm	Address by Mr. Sridhar Chitturi, IAS MD, APTIDCO, Govt. of Andhra Pradesh
2:20 pm	Address by Mrs. G. Srijana, IAS, GVMC Commissioner
2:25 pm	Address by Prof. Peri Srinivasa Rao, Principal, A.U. College of Engineering (A), Andhra University
2:40 pm	Keynote lecture by Prof. D.S.R. Murty, Department of Civil Engineering, Andhra University
3:00 pm	Expert Lecture on “New emerging construction technologies and opportunities for Technocrats to learn and adopt from Light House Projects (LHPs) with real time demonstration” by Prof. S.Adishesu, Department of Civil Engineering, Andhra University
3:20 pm	Expert Lecture on “Changing faces of construction practices in India” by Prof. C.N.V.Satyanarayana Reddy, Department of Civil Engineering, Andhra University
3:40 pm	Expert Lecture on “Role of indigenous housing technologies in transforming Indian construction sector using local material and practices” by Dr.K.Rajasekhar, Department of Civil Engineering, Andhra University
4:00 pm	Expert Lecture on “Transformational role of innovative construction technologies in mass housing and large-scale adoption” by Prof. Abdul Razak Mohamed, Head, Department of Planning, School of Planning and Architecture, Vijayawada.
4:20 pm	Expert Lecture on “Methods to make housing climate resilient adopting environment friendly practices and meeting Sustainable Development Goals (SDGs)” by Dr.N.Munilakshmi, Department of Civil Engineering, S.V. University
4:40 pm	Expert Lecture on “Measures of Quality Control & Assurance in housing projects” by Prof.K.Srinivasa Rao, Department of Civil Engineering, Andhra University
5:00 pm	Vote of Thanks



# Workshop/Seminar/Conferences/Training programmes organised



Department of Civil Engineering  
Andhra University  
College of Engineering  
Visakhapatnam

Seminar on  
**Emerging Construction  
Materials and Technologies**  
(On the Occasion of Department Day Celebrations) April 20, 2022

**Patron**  
Prof. P.V.G.D. Prasad Reddy  
Vice - Chancellor, Andhra University

**Co - Patron**  
Prof. Peri.Srinivasa Rao  
Principal, AU College of Engineering

**Speakers**  
Sri B. Vijay Shankar  
Marketing Manager, M/s Navico Vitaco Corporation Limited, Hyderabad.  
Sri Kartikeyan Janardhan  
Quality Manager, M/s Navico Vitaco Corporation Limited, Hyderabad.  
Sri R. Kiran Kumar  
Manager-Technical and Marketing, Test-Care Geosynthetics India Pvt. Ltd.  
Sri Vijaya Chandra Kumar  
AGM Specifications, M/S Master Builders Solutions (I) Pvt. Ltd.,  
Navi Mumbai

**Organising Chairman**  
Prof. C.N.V. Satyanarayana Reddy  
Head of the Department

**Convenors**  
Dr. K. Srinivasa Rao  
Professor  
Dr. K. Rajasekhara  
Assistant Professor

Venue: Seminar Hall of the Department

DEPARTMENT OF CIVIL ENGINEERING  
ANDHRA UNIVERSITY COLLEGE OF ENGINEERING  
ANDHRA UNIVERSITY, VISAKHAPATNAM

In Association with  
Indian Geotechnical Society Visakhapatnam Chapter

**NATIONAL SEMINAR ON  
ADVANCES IN CIVIL ENGINEERING MATERIALS AND PRACTICES**  
(March 31, 2023)  
Venue: Y. V. S. Murty Auditorium, A.U. College of Engineering,  
Visakhapatnam

**Patron**  
Prof. P. V. G. D. Prasad Reddy  
Hon'ble Vice-Chancellor, Andhra University

**Co-Patron**  
Prof. G. Sasibhusana Rao  
Principal, A. U. College of Engineering

**Speakers**  
Brig. Suresh Ramanathan  
Deputy Director General & Chief Engineer, DGNP, Visakhapatnam  
Prof. G. Venkatappa Rao  
Former Professor & Head, Department of Civil Engineering,  
IIT Delhi, New Delhi  
Prof. D. S. R. Murty  
Department of Civil Engineering,  
A.U. College of Engineering, Visakhapatnam  
Prof. G. Appa Rao  
Department of Civil Engineering, IIT Madras, Chennai  
Prof. M. Janardhan Yadav  
Department of Civil Engineering, JNTU University College of Engineering,  
Hyderabad  
Mr. L. Mahesh  
Cluster Manager, Andhra Pradesh,  
Master Builders Solutions, Visakhapatnam

**Organising Chairman**  
Prof. C. N. V. Satyanarayana Reddy  
Head of the Department

**Convenors**  
Dr. K. Rajasekhara  
Prof. S. Adishesu

**Training Programme**  
on  
**Seismic and Wind Disaster Resistant Structures - Related Issues**  
October 26-28, 2021  
Time: 2:30 to 4:30 pm

**Patrons**  
Major Gen. M.K. Bindal  
Executive Director  
NIDM  
Prof. P.V.G.D. Prasad Reddy  
Vice Chancellor  
Andhra University

**Speakers**  
Dr. Hari Sridha  
Professor, Department of Civil Engg.  
Indian Institute of Technology, Bombay  
Dr. Shilpa Pal  
Associate Professor  
Delhi Technological University  
Dr. N.V. Uma Mahesh  
Professor  
National Institute of Technology, Watangal  
Dr. K. Srinivasa Rao  
Professor  
AU College of Engineering, Visakhapatnam  
Dr. Hari Krishna  
Principal Scientist  
CSIR-SERC, Chennai

**Convenors**  
Dr. Amir Ali Khan  
NIDM, New Delhi  
Prof. C.N.V. Satyanarayana Reddy  
AU College of Engineering (A)

**Organisers**  
National Institute of Disaster Management  
Ministry of Home Affairs, Govt. of India, New Delhi  
in association with  
Department of Civil Engineering, AU College of Engineering,  
Visakhapatnam  
&  
Indian Geotechnical Society, Visakhapatnam Chapter

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www.makeindia.com



DEPARTMENT OF CIVIL ENGINEERING  
A.U. COLLEGE OF ENGINEERING  
ANDHRA UNIVERSITY  
AND  
ICI VIZAG CHAPTER

Accredited by NAAC with 'B' Grade  
ISO 9001:2015 Certified

Cordially Invite you to the Seminar on  
**PRESTRESSED CONCRETE – RELATED ISSUES**  
(May 31, 2023)  
(Seminar Hall, Department of Civil Engineering)

**Patron**  
Prof. P.V.G.D. Prasad Reddy  
Hon'ble Vice-Chancellor, Andhra University

**Co-Patrons**  
Prof. G. Sasibhusana Rao  
Principal, A.U. College of Engineering  
Prof. C.N.V. Satyanarayana Reddy  
Head of the Department  
& Chairman, ICI Vizag Chapter

**Guest of Honor**  
Er. K. Venkataraman  
Regional Head - Technical Customer Solutions - AP  
UltraTech Cement Ltd.

**Speakers**  
Er. B V Nagarajkumar, CEO & Technical Director  
Stresza Systems Global Tech Pvt. Ltd.  
Er. K. Praveen, Managing Director  
THE DESIGN, Hyderabad  
&  
Prof. P. Veerabhadra Rao  
GVP College of Engineering

**Co-Convenors**  
Dr. Sk. Yajdani  
Professor of Civil Engineering

**Convenor**  
Dr. K. Srinivasa Rao  
Professor of Civil Engineering  
& Secretary, ICI Vizag Chapter

**Event Sponsors:**  
Stresza Systems Global Tech Pvt. Ltd., Visakhapatnam  
In Technical Collaboration with STRESZA(THAILAND) CO., LTD.  
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## Faculty Development Programmes (FDPs) Organised



### FDPs Organized during the Academic Year -2017-2020

S.No.	Name of the Faculty and Department	Title of the Programme	Seminar/ Conference/ Workshop/ Training programme	Date	National / International
1	K.Srinivasa Rao & K.Rajasekhar	Advanced Vibration Analysis and its Application in Industry,	Faculty Development Programme	July 8-12, 2019	National
2	Dr.M.G. Muni Reddy	Hydrological Modeling using RS/GIS with special Reference to Climate Change	5 days National Staff Development Programme (SDP) Webinar	September 07-11, 2020	National
3	Prof. C.N.V. Satyanarayana Reddy	Shallow and Deep Foundations	AICTE Quality Improvement scheme faculty Development Programme	January 25-February 6, 2021	National
4	Prof. C.N.V. Satyanarayana Reddy	Shallow and Deep Foundations	AICTE Quality Improvement scheme faculty Development Programme	March 18- 31, 2021	National



# FACULTY DEVELOPMENT PROGRAMMES ORGANISED



## Online Faculty Development Programme on SHALLOW AND DEEP FOUNDATIONS (January 25- February 5, 2021)

Under AQIS

Sponsored by



All India Council for Technical Education  
New Delhi



Andhra University

Organized by

Department of Civil Engineering  
College of Engineering (Autonomous)  
Andhra University, Visakhapatnam – 530 003  
Andhra Pradesh., India

### ORGANISING COMMITTEE

Chief Patron:

**Prof. P.V.G.D. Prasad Reddy**  
Vice-Chancellor, Andhra University

Patron:

**Prof. Peri Srinivasa Rao**  
Principal, College of Engineering (A)

Chairman:

**Prof. T.V. Praveen**  
HoD, Department of Civil Engineering

Coordinator:

**Prof. C.N.V. Satyanarayana Reddy**

For Details Contact:

**Prof. C.N.V. Satyanarayana Reddy**  
Coordinator, FDP on "Shallow and Deep Foundations"  
Department of Civil Engineering  
College of Engineering (A), Andhra University  
Visakhapatnam – 530 003.  
Andhra Pradesh, India  
Mobile: 98491 00310

QR Code for Registration



### FACULTY DEVELOPMENT PROGRAMME (FDP)

Two-week Faculty Development Programme (FDP) on "Shallow and Deep Foundations" under the AICTE Quality Improvement Scheme (AQIS) is sanctioned to the Department of Civil Engineering, Andhra University College of Engineering, Visakhapatnam. In view of the prevailing COVID-19 Pandemic Situation, as per the direction of AICTE, two FDPs are being organised for facilitating and benefiting the participants across the country. The first Faculty development programme on the sanctioned Topic is being organised from January 25- February 5, 2020.

### COLLEGE OF ENGINEERING (A), ANDHRA UNIVERSITY

Andhra University is a premier institution of higher learning and well known world over for its academic and research contributions. It has sprawling campus in 422 acres and is in the heart of Visakhapatnam city. Andhra University College of Engineering is established in the year 1955 with four departments and has grown into 15 departments. It offers 17 UG and 35 PG programmes in various disciplines of Engineering. The institute is widely recognised for its quality education, research and consultancy services. The institute is accredited by NAAC and NBA. It has been rated at first position among the state-owned technical institutions in the country (Star News). Andhra University College of engineering is 5th ranked in Top 70 Public State Universities in India 2020 as per Outlook magazine survey. In the NIRF Rankings of 2020, Andhra University is ranked 16 in the Universities category while Andhra University college of Engineering is ranked at 69.

### DETAILS OF FDP

The faculty development programme is intended to refresh the knowledge of academicians, research scholars and practicing engineers on shallow and deep foundations and to expose them to the recent developments in foundation engineering particularly suiting the weak foundation soils and deep foundations. The topics for the programme are chosen so as to provide complete coverage of the topics of shallow and deep foundations with emphasis on importance of subsurface explorations with proper field testing. The topics of the workshop are given below.

### Topics:

- ❖ Subsoil Exploration
- ❖ Design criteria of foundations. Types of foundations, design loads
- ❖ Basic Definitions, Terzaghi's Bearing Capacity theory
- ❖ Meyerhof, Vesic, Hansen and Skempton Bearing Capacity theories and IS code method
- ❖ Bearing capacity of Footings in sloping ground and layered soils
- ❖ Allowable Bearing capacity from Field Tests

- ❖ Settlement Analysis of footings in clay and sand
- ❖ Raft foundation: Types, Bearing capacity, Floating raft
- ❖ Proportioning of Combined footings
- ❖ Pile foundations: Classification and load capacity
- ❖ Load capacity from Static formula and Dynamic Formulae;
- ❖ Static and Dynamic Pile Load tests, NDT testing of Piles
- ❖ Pile Groups: Efficiency, Load capacity and settlement
- ❖ Negative skin friction effect on Single Pile and Pile Groups
- ❖ Under Reamed pile
- ❖ Caissons: Types, Construction, Bearing capacity and Depth of Foundation
- ❖ Tilts and shifts: Precautionary and Remedial methods for Rectification
- ❖ Design of components of caissons; lateral stability of caissons
- ❖ Foundations in Expansive soils

**Resource Persons:** The Resource persons for the faculty development programme are drawn from premier institutions with rich experience in academics and professional practice. The topics of lectures of FDP will be covered by the following resource persons.

1. Prof. M.R. Madhav, Visiting Professor, IIT Hyderabad & JNTU, Hyderabad
2. Prof. G.V. Rao, Emeritus Professor, IIT Gandhinagar
3. Prof. B.V.S. Viswanadham, IIT Bombay, Mumbai
4. Prof. C.N.V. Satyanarayana Reddy, Andhra University, Visakhapatnam
5. Prof. K. S. Beena, CUSAT, Kochi
6. Prof. V Ramana Murthy, NIT Warangal
7. Prof. Muthukumar, NIT Trichy
8. Sri. Ravikiran Vaidya, Geo Dynamics, Vadodara

### DATE AND TIMINGS

The FDP will be organized from January 25 – February 5, 2021 in online mode through Google Meet Platform. 2 lectures per day will be organized in the Programme with lecture timings as 8.30a.m to 10.00a.m and 3.30p.m to 5p.m. At the end of the training programme, a test will be conducted to the participants and the successful participants will be given the certificates.

### REGISTRATION

There is no registration fee for attending the programme. However, pre-registration is mandatory for attending the FDP. **Registration for attending FDP shall be done on or before 22-01-2020** using the link given below or QR code provided in the Brochure.  
**Link for Registration:** <https://forms.gle/BHMaBY3psPPAby2>  
Go to Settings to activate

## FDP on SHALLOW AND DEEP FOUNDATIONS (January 25-February 5, 2021) (March 18-March 31, 2021)

Participants	120 + 92
Resource persons	8
Topics covered	18
Technical Sessions	22





# FACULTY DEVELOPMENT PROGRAMMES ORGANISED



## ORGANISING COMMITTEE

**Chief Patron**  
Prof. G. Nagawara Rao  
Vice-Chancellor, Andhra University

**Patrons**  
Prof. M. Prasad Rao  
Rector, Andhra University

**Prof. Peri Srinivasa Rao**  
Principal, College of Engineering (A)

**Prof. K. Niranjan**  
Registrar, Andhra University

**Chairman**  
Prof. G.V.R. Srinivasa Rao  
Head, Department of Civil Engineering

**Co-Chairman**  
Prof. T.V. Praveen  
Chairman, BoS, Department of Civil Engineering

**Coordinator**  
Prof. K. Srinivasa Rao

**Co-coordinator**  
Dr. K. Rajasekar

**Members**  
Prof. D.S.R. Murthy  
Prof. K. Rambabu  
Prof. G. V. Rama Rao  
Prof. S. Adhesan  
Prof. Sk. Yajudan

## For Details Contact:

**Dr. K. Srinivasa Rao**  
Professor, Department of Civil Engineering  
College of Engineering (A)  
Andhra University  
Visakhapatnam - 530 003  
E mail: ksilamsetti@gmail.com  
Mobile: 91 98660 37087

Faculty Development Programme  
ON  
*Advanced Vibration Analysis  
and  
its Application in Industry*  
(8 - 12 July 2019)



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Organized by

Department of Civil Engineering  
College of Engineering (Autonomous)  
Andhra University  
Visakhapatnam - 530 003, A.P., India

under  
Technical Education Quality Improvement Programme  
Phase - III



## ABOUT THE CIVIL DEPARTMENT

The Department of Civil Engineering had its inception in the year 1955 as a section of the Engineering Department, a constituent campus college of the Andhra University Colleges. It was elevated to the status of an individual department in 1969. It currently offers two undergraduate programmes and four post-graduate programmes and two postgraduate evening programmes along with doctoral programmes in all the specializations of Civil Engineering.

Several teachers of the department have won State Best Teacher Awards and Best Researcher Awards. The department is very active in industrial and technical consultancy and is viewed as one of the active contributors of internal revenue generation for the university.

## ABOUT A.P. SCIENCE CITY

Science city of Andhra Pradesh was incorporated on 10<sup>th</sup> August 2016. It is a society established under Andhra Pradesh Societies Registration Act 2001. The Honorable Chief Minister of Andhra Pradesh is the Chairman of the Science City of Andhra Pradesh; the establishment of Science City is an initial collaborative project between Minister of Science & Technology, Government of India and Government of Andhra Pradesh. The objective is to popularize Science & Technology in cities, urban and rural areas for the benefit of students and for the common man by organizing exhibitions, seminars, popular lectures, science camps and various other programs. Science City acts as a hub for Inter-disciplinary of Science & Technology.

## WHO CAN REGISTER

This programme is open to M.Tech students, PhD scholars and faculty members of engineering colleges.

## SCOPE OF THE PROGRAMME

The main aim of the programme is to disseminate the developments and research areas in climate change aspects of the water resource management. Participants can have a chance to learn and update the knowledge in the area of climate change impacts on water resources management. Research scholars and scientists can interact with the speakers for further collaboration.

**CHIEF PATRON**  
Prof. PRASAD REDDY.P.V.G.D  
Vice Chancellor  
Andhra University

**PATRON**  
Prof. PERI SRINIVASA RAO  
Principal, AUCE(A)

**PRESIDENT**  
Prof. T.V. PRAVEEN  
HOD Civil Engineering, AUCE(A)

**CONVENER**  
Dr. M.G.MUNI REDDY  
Associate Professor  
Department of CIVIL Engineering,  
Mobile: + 91 9404572898  
email: mgmunireddy@gmail.com

**CO-CONVENER**  
Dr. JAYARAM REDDY KONDA  
Chief Executive Officer  
Science City of Andhra Pradesh  
Mobile: + 91 9441010500  
jayaramireddykonda@gmail.com



Five Day  
**INTERNATIONAL WEBINAR**  
ON  
**CLIMATE CHANGE IMPACT ON WATER  
RESOURCES MANAGEMENT AND  
ENVIRONMENT**

15<sup>th</sup> to 19<sup>th</sup> July 2020



Organised by  
**DEPARTMENT OF CIVIL ENGINEERING**

SPONSORED UNDER  
**TEQIP - III**

in Collaboration with  
**SCIENCE CITY OF  
ANDHRA PRADESH**

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A),  
VISAKHAPATNAM - 53003  
ANDHRA PRADESH

## SPEAKERS



Prof. RAJIB MAITY  
IIT-KHARAGPUR



Prof. D NAGESH KUMAR  
IISc - BANGALORE



Dr. SHUQING YANG  
UoW - AUSTRALIA



Dr. CHIDAMBARAMS  
KISR - KUWAIT



Prof. N.V. UMAMAHESH  
NIT - WARANGAL



Prof. K. VENKATA REDDY  
NIT - WARANGAL



Dr. SANJAY KUMAR JAIN  
NIH - ROORKEE



Dr. SRINIVAS CHOKKAKULA  
CPR - NEW DELHI



Dr. PRASANNA MOHAN V  
CURTIN UNIVERSITY  
MALAYSIA



Dr. PANKAJ KUMAR  
IGES - JAPAN



Dr. K.S. REDDY  
Principal Scientist, CRIDA



Dr. SARAT KANNEPALLI  
ADVISOR - GIZ



Sr. M.K. SRINIVAS  
CE-AG BASIS-CWC



Dr. TATA PRAKASAM  
CTWT - USA



Prof. SANGAM SHRESTHA  
AIT BANGKOK

## SPEAKERS

## SCHEDULE OF THE PROGRAM

### DAY - 1 (15-07-2020)

MORNING SESSION	AFTERNOON SESSION
9.30 TO 10.40 AM	14.00 TO 15.30 PM
11.00 TO 12.30 AM	

### DAY - 2 (16-07-2020)

MORNING SESSION	AFTERNOON SESSION
9.00 TO 10.30 AM	12.40 TO 13.50 PM
10.30 TO 12.00 AM	14.00 TO 15.30 PM

### DAY - 3 (17-07-2020)

MORNING SESSION	AFTERNOON SESSION
9.30 TO 11.00 AM	14.00 TO 15.30 PM
11.30 TO 12.30 AM	

### DAY - 4 (18-07-2020)

MORNING SESSION	AFTERNOON SESSION
9.00 TO 11.00 AM	14.00 TO 15.30 PM
10.40 TO 12.00 AM	

### DAY - 5 (19-07-2020)

MORNING SESSION	AFTERNOON SESSION
9.30 TO 11.00 AM	14.00 TO 15.30 PM
11.00 TO 12.30 AM	

**REGISTRATION LINK:**  
<https://forms.gle/Km8hRh9Y7k2Uz3ND7>  
**MODE OF SESSION :** Through Online.

## CERTIFICATION

E-Certificate will be shared at the end of the program who attend during all 5 days & fill the feedback. The Certificate will be shared by mail to all the respective participants after successful completion of program.



## RESEARCH LABORATORIES



- Structural Engineering Laboratory
- Geotechnical Engineering Laboratory
- Fluid Mechanics Laboratory
- Coastal Engineering Laboratory
- Environmental Engineering Laboratory
- Transportation Engineering Laboratory
- Surveying Laboratory
- Computational Laboratory

### Major facilities for research

- Universal Testing Machine (1000 kN) –Shimadzu Make
- Compression Testing Machine (3000 kN)
- Bogie Hearth Furnace – 1050<sup>0</sup> C
- Loading Frame (1000 kN)
- NDT Equipment – Rebound Hammer, UPV tester, Half-Cell Potentiometer, Resistivity meter and Profometer.
- Load Cells

### Major facilities for research

- Cyclic triaxial test equipment
- Geosynthetic pull out test equipment
- Wave maker
- Falling weight Deflectometer
- Total Organic Carbon analyzer
- UV double beam spectrophotometer
- Atomic absorption spectrophotometer
- Open channel flume
- Marshall Stability Test Apparatus
- Benkelman Beam Apparatus



# RESEARCH FACILITIES



REDDMI NOTE 8 PRO  
AI QUAD CAMERA



REDDMI NOTE 8 PRO  
AI QUAD CAMERA



REDDMI NOTE 8 PRO  
AI QUAD CAMERA

## UNIVERSAL TESTING MACHINE – 1000 kN



# RESEARCH FACILITIES



Cyclic Triaxial Equipment



Geosynthetic pull out test equipment



1000 KN Loading Frame



Rebound Hammer Tester



High Volume Sampler



GBC Atomic Adsorption Spectrometer



Benkelman Beam Apparatus



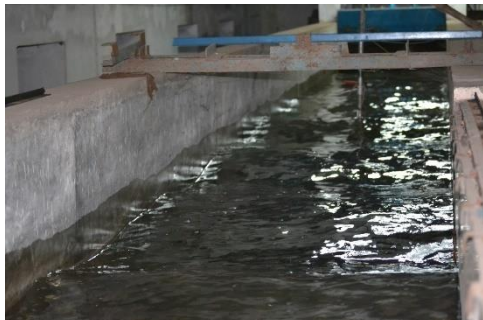
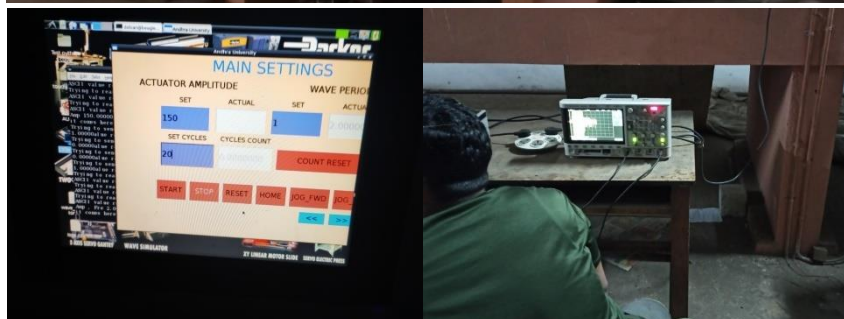
Fine Particulate Sampler



UV-Visible Spectrophotometer



# RESEARCH FACILITIES



**Wave flume with Wave Maker in Coastal Engineering laboratory**



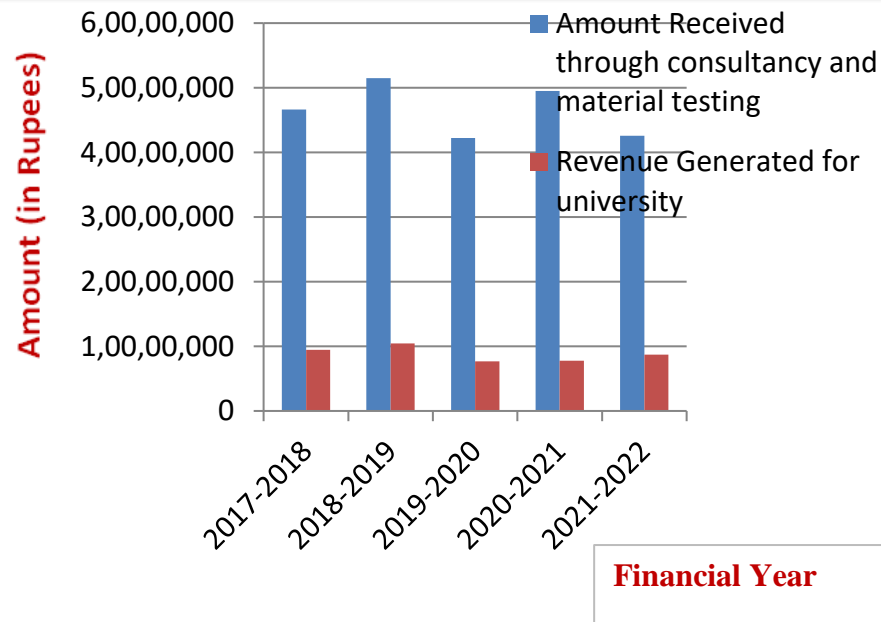
## CONSULTANCY AMOUNT RECEIVED



### CONSULTANCY DATA (2017-2022)

Financial Year	Total value of Consultancy and material testing amounts (Rs.)	Revenue generated (Rs.)
2017-2018	4,66,36,514	94,62,633
2018-2019	5,14,99,765	1,04,23,460
2019-2020	4,22,28,143	76,64,561
2020-2021	4,94,94,603	77,88,962
2021-2022	4,25,53,021	87,24,338
2022-2023	5,20,52,682	1,01,80,207

**Income Generated during 2017-2022 : Rs. 4,40,63,954**



CONTRIBUTION FOR ECONOMIC DEVELOPMENT		
Year	GST (Rs.)	TDS (Rs.)
2017-18	32,97,763	9,65,244
2018-19	33,17,076	8,94,375
2019-20	23,94,417	6,64,075
2020-21	17,74,972	4,96,638
2021-22	15,85,363	4,67,497
Total	1,23,69,591	34,87,829



## AREAS OF CONSULTANCY



- Design of Commercial & Residential, Public Utility, Irrigation Structures
- Condition Monitoring of Structures
- Quality Control Supervision
- Quality Assessment of Building and Road Materials
- Analysis of Pre Engineered Buildings
- Repair Rehabilitation of structures
- Forensic Investigations
- Geotechnical Investigations
- Design of Reinforced Soil Structures
- Design of Ground Improvement Systems
- Surveying
- Quality analysis of Water and Environment
- Design of Pavements
- Traffic Planning and Design
- Public Health Structures
- Analysis & Design of Marine and Port Structures
- Industrial Structures
- Marin pipe lines, breakwater testing, coastal morphological studies



## INDUSTRY INTERACTION



### Associated Organisations and Industries:

- Central Public Works Department (CPWD)
- National Highways Authority of India (NHAI)
- Greater Visakhapatnam Municipal Corporation (GVMC)
- Visakhapatnam Urban Development Authority (VUDA)
- Visakhapatnam Port Trust (VPT)
- Military Engineering Services (MES)
- Director General Naval Projects (DGNP)
- National Thermal Power Corporation (NTPC)
- Hindustan Petroleum Corporation Limited (HPCL)
- Dredging Corporation of India (DCI)
- Hindustan Zinc Limited (HZL)
- Visakhapatnam Steel Plant (VSP)
- National Aluminium Company Limited (NALCO)
- Andhra Pradesh Industrial Infrastructure Corporation (APIIDC)
- Andhra Pradesh Health & Medical Housing & Infrastructure Development Corporation (APMHIDC)
- Andhra Pradesh Public Service Commission (APPSC)
- Andhra Pradesh Housing Board (APHB)
- Andhra Pradesh Tourism Development Corporation





## INDUSTRY INTERACTION CONTD...



### Associated Industries:

- National Thermal Power Corporation (NTPC), Parawada
- Indian Railways
- Rail Institute of Technology and Economics Services Ltd. (RITES)
- National Highways Authority of India (NHAI)
- Bhaba Atomic Research Centre (BARC), Trombay, Bombay
- Rail Vikas Nigam Limited (RVNL), Bhubaneswar
- National Mineral Development Corporation (NMDC), *Visakhapatnam*
- Dredging Corporation of India Limited (DCIL)
- Gangavaram port
- Danish hydraulic institute (DHI)



# UTILISATION OF MOBILISED RESOURCES



**CIVIL ENGINEERING CLASS ROOM COMPLEX**



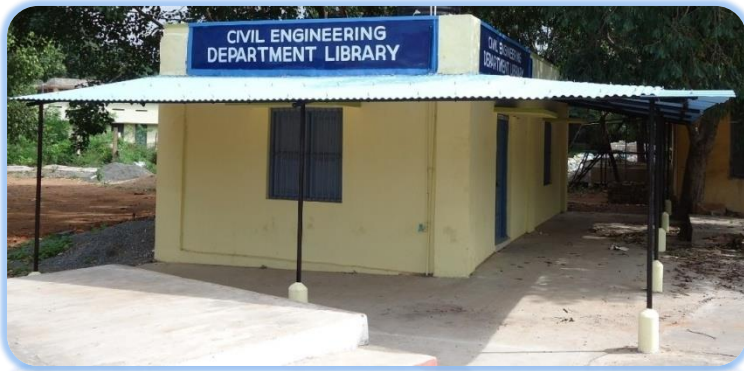
**CIVIL ENGINEERING CLASS ROOM COMPLEX**



**OPEN AIR AUDITORIUM**



# UTILISATION OF MOBILISED RESOURCES



## REPORT ON RESOURCES MOBILIZATION AND UTILIZATION DURING THE ASSESSMENT PERIOD

S.No.	FINANCIAL YEAR	AMOUNT UTILIZED FROM THE I.R.G. (Rs.)
1	Apr-2017 to Mar-2019	6,57,497
2	Apr-2018 to Mar-2019	9,18,667
3	Apr-2019 to Mar-2020	6,83,872
4	Apr-2020 to Mar-2021	4,62,086
5	Apr-2021 to Mar-2022	7,91,530
6	Apr-2022 to Mar-2023	18,06,964
Total amount utilised during 2017-2022		Rs. 35,13,652

The above amounts are used for purchase of lab apparatus, calibration of proving rings, servicing of machineries and consumables required for laboratories.



# Industrial visits



**Industrial visit to brandix**



**Industrial visit to SARVANI RMC Plant**



## Industrial visits



**Industrial visit to High Rise Building “MK ONE” at Yendada**



# COMMEMORATIVE DAYS, EVENTS AND FESTIVALS



S. No.	Description of the Program	Date	Collaborating agency	No. of Participants	Outcome of the Event.
1	Mahatma Gandhi Jayanti Terzaghi's birthday	Oct 2 <sup>nd</sup>	NIDM, New Delhi.	120	Dissemination of knowledge
2	Sir Arthur Cotton's birthday	May 15 <sup>th</sup>	-	40	Contributions made by Sir Arthur Cotton were explained to PG students.
3	Sir Mokshagundam Visweswaraya birthday (Engineers' day)	Sept 15 <sup>th</sup>	NIDM, New Delhi.	120	
4	Webinar on Water Resources Management in the state of Andhra Pradesh on occasion of Sir Arthur Cotton's birthday	May 15 <sup>th</sup> , 2022	-	100	Contributions made by Sir Arthur Cotton were explained to PG students and Engineers.
5	54 <sup>th</sup> Engineers' Day Webinar on Emerging Materials for Sustainable Constructions Sir Mokshagundam Visweswaraya birthday (Engineers day)	Sept 15 <sup>th</sup> 2021	NIDM, New Delhi.	115	Participants from different sectors got benefitted by the deliberations of the webinar.



# COMMEMORATIVE DAYS, EVENTS AND FESTIVALS



S. No.	Description of the Program	Date	Collaborating agency	No. of Participants	Outcome of the Event.
6	Online Workshop on Pradhan Mantri Awas Yojana (Urban) (PMAY-U) Awas Par Samvaad (Creating Awareness on "Housing for All")	October 2 <sup>nd</sup> , 2021	AP Township & Infrastructure Development Corporation Limited	121	Dissemination of knowledge to engineers



# COMMEMORATIVE DAYS, EVENTS AND FESTIVALS



**Webinar on**  
**Civil Engineering and Construction Challenges in Present Scenario**  
 15<sup>th</sup> September 2020 | 11:00 - 13:00 hrs

**Engineer's 2020 DAY**

Prime Minister's 10 Point agenda no. 5 on DRR

Patrons:  
 Maj. Gen. Manoj K. Bindal, Executive Director, NIDM, New Delhi  
 Prof. P.V.G.D. Prasad Reddy, Vice Chancellor, Andhra University

Special Lecturers:  
 Prof. M. K. Reddy, IIT Guwahati  
 Prof. Jagdish Singh, IIT Bombay  
 Dr. Anurag Mishra, NIDM, New Delhi  
 Prof. C.N.V. Satyanarayana Reddy, Andhra University

Organized by:  
 National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India  
 Department of Civil Engineering, Andhra University College of Engineering, Visakhapatnam

Website: [www.nidm.gov.in](http://www.nidm.gov.in)

**PM 10 Point Agenda for DRR No. 6, 8 and 9**

**54<sup>th</sup> ENGINEERS' DAY**  
 Webinar on  
**Emerging Materials for Sustainable Constructions**  
 September 15, 2021  
 Time: 11:30 am to 1:00 pm

Speakers:  
 Dr. G.V. Rao, Visiting Professor, Indian Institute of Technology, Gandhinagar (IITG)  
 Topic: Natural Fibre Geotextiles  
 Prof. N.V. Ramana Rao, Director, National Institute of Technology, Warangal (NITW)  
 Topic: Recent Advances in Concrete and Sustainable Materials

Patrons:  
 Major Gen M K Bindal, Executive Director, NIDM, Delhi  
 Prof. P.V.G.D. Prasad Reddy, Vice Chancellor, Andhra University

Convenors:  
 Dr. Amir Ali Khan, NIDM, New Delhi  
 Prof. C.N.V. Satyanarayana Reddy, AU College of Engineering (A)

Coordinator:  
 Ms. Yogita Garbhal, Young Professional NIDM

Registration: <https://training.nidm.gov.in>  
 Platform: Cisco Webex  
 Event Link: <https://bit.ly/3m4E0th>  
 Event No: 2516 120 1671 Password: 2021

Organisers:  
 National Institute of Disaster Management, Ministry of Home Affairs, Government of India  
 Department of Civil Engineering, Andhra University College of Engineering (A) Visakhapatnam & Indian Geotechnical Society, Visakhapatnam Chapter

**Online Training Programme on**  
**DISASTER RISK REDUCTION IN RESILIENT INFRASTRUCTURE**  
 September 30 – October 2, 2020, Time: 11:00-13:30

Patrons:  
 Maj. Gen. M.K. Bindal, Executive Director, NIDM, New Delhi  
 Prof. P.V.G.D. Prasad Reddy, Vice Chancellor, Andhra University  
 Prof. Peri Srinivasa Rao, Principal, AU College of Engineering  
 Prof. T.V. Prasad Rao, Dept. of Civil Engineering, AU College of Engineering

Resource Persons:  
 Day 1: 30-09-2020  
 Session-1: Dr. C.R. Murthy, Professor, Dept. of Civil Engineering, IIT Bombay  
 Session-2: Dr. P. Hari Krishna, Visiting Professor, CSIR-IGERC, Chennai  
 Day 2: 01-10-2020  
 Session-3: Dr. K. Srinivasa Rao, Professor, Dept. of Civil Engineering, AU College of Engineering  
 Day 3: 02-10-2020  
 Session-3: Dr. G. L. Sankararao Babu, Professor, IISc, Bangalore, President, IISc (New Delhi) Chapter  
 Dr. Srinivasa Jayaram, Associate Professor, Dept. of Civil Engineering, IIT Madras

Organisers:  
 National Institute of Disaster Management, Ministry of Home Affairs, Government of India  
 Department of Civil Engineering, Andhra University College of Engineering, Visakhapatnam

Coordinators:  
 Dr. Amir Ali Khan, NIDM, New Delhi  
 Prof. C.N.V. Satyanarayana Reddy, Andhra University

Click here to register: <https://www.nidm.gov.in/2020/09/30/>  
 Scan QR Code to Register

**Webinar on**  
**WATER RESOURCES MANAGEMENT IN THE STATE OF ANDHRA PRADESH**  
 on 15<sup>th</sup> MAY 2022  
 On the occasion of  
**219<sup>th</sup> Birth Anniversary of Sir Arthur Cotton**  
 10.00am - 12 noon

CHIEF PATRON: Prof. P.V.G.D. PRASAD REDDY, Vice Chancellor, Andhra University  
 PATRON: Prof. PERI SRINIVASA RAO, Principal, AUCE.

RESOURCE PERSONS:  
 Sr+ BSN Reddy, IITCE Irrigation, Adviser AP Govt.  
 Sr+ Rama Raju, RIL, ENG.

CHAIRMAN: Prof. C.N.V. SATYA NARAYANA REDDY, HOD Civil Engineering, AUCE.  
 CONVENER: Dr. M.G.MUNI REDDY, Associate Professor, Mobile : +91 9494572808

Event link: <https://meet.google.com/bw-rtm-jj>

Organized by:  
 Department of Civil Engineering, ANDHRA UNIVERSITY COLLEGE OF ENGINEERING, VISAKHAPATNAM - 530002.

**Workshop Schedule - Online Mode**  
**PMAY - (C) Housing for All - Aam Far Samanad (On the occasion of Mahatma Gandhi Jayanti)**  
**Theme : Technology and Innovation**  
 (2<sup>nd</sup> October 2021, 9:00-4:00 pm)

Registration Link: <https://forms.gle/2iC2N1V1V1V1V1V1>  
 Google Meet Link: <https://meet.google.com/etj-qrq-ghp>  
 Youtube Link: <https://youtu.be/vbA8D08R0t0>

9:30 pm	Welcome speech
10:00 pm	Welcome address by Prof. T.V. Prasad Rao, HOD, Dept. of Civil Engineering, Andhra University
10:30 pm	Address by Chief Guest, Prof. P.V.G.D. Prasad Reddy, Vice-Chancellor, Andhra University, Visakhapatnam, A.P., India.
11:00 pm	Address by Guest of Honour, Mr. Srinivasa Prasad Kumar, M.Tech., New York Chapter, APFEDCO
11:30 pm	Address by Guest of Honour, Mr. Umbar Chaitan, IAS, IAS, APFEDCO, Govt. of Andhra Pradesh.
12:00 pm	Address by Guest of Honour, Mrs. G. Srinasa DAS, Commissioner, GVMC, Visakhapatnam
12:45 pm	Keynote lecture by Prof. D.R.R. Murty, Department of Civil Engineering, Andhra University
1:30 pm	Expert Lecture on "New emerging construction technologies and applications for Technologies in Smart and adopt from Light House Project (LHP) with real time demonstration" by Prof. S. Adinarayana, Department of Civil Engineering, Andhra University
2:00 pm	Expert Lecture on "Changing face of construction practices in India" by Prof. C.N.V. Satyanarayana Reddy, Department of Civil Engineering, Andhra University
2:45 pm	Expert Lecture on "Role of intelligent Building technologies in transforming Indian construction sector using local material and practices" by Dr.S. Rajeswari, Department of Civil Engineering, Andhra University
3:30 pm	Expert Lecture on "Fundamental role of innovative construction technologies in smart housing and urban- rural villages" by Prof. Abhis Ranjan Mishra, HOD, Department of Planning, Indian Institute of Planning and Architecture, Gurgaon.
4:00 pm	Expert Lecture on "Methods to make housing cluster resilient adopting environment friendly practices and meeting Sustainable Development Goals (SDGs)" by Dr.Srinivasulu Reddy, Department of Civil Engineering, IIT Guwahati
4:45 pm	Expert Lecture on "Measures of Quality Control & Assurance in housing projects" by Prof.S. Srinivasa Rao, Department of Civil Engineering, Andhra University
5:00 pm	Vote of Thanks.

Department of Civil Engineering, College of Engineering (Autonomous), Andhra Pradesh, India  
 The details contact: Coordinators - Prof. K. Srinivasa Rao, 9448117817, Dr. K. Rajeswari, 9705311288





# COMMEMORATIVE DAYS, EVENTS AND FESTIVALS



Independence Day Celebrations



Republic Day Celebrations



Blood Donation Camp



International Yoga Day



NSS Day



Tricolour Flag Day



Tug - of - War



Rashtriya Ekta Diwas



Awareness program on Disha Act



Azadi Ka Amrut Mahostav  
Catch the Rain program



Fit India Freedom Run  
Campaign



Salute to our Pulwama  
Martyrs



# GUEST LECTURES ORGANISED



S. No.	Description of the Program	Date	Target group of the Program	No. of Participants	Outcome of the Event
1	A guest lecture on Introduction to tunnel construction and design.	3rd October 2017	B.Tech 3 <sup>rd</sup> and 4 <sup>th</sup> year and PG students	120	M.Tech. and B.Tech. Students acquired knowledge on design aspects of tunnel construction
2	Guest lecture on Plastic waste disposal from land into oceans.	17 <sup>th</sup> September 2018	4 <sup>th</sup> year, M.Tech (EEM) and Research scholars	116	Research Scholars, M.Tech. EEM and 4 <sup>th</sup> year B.Tech. Students acquired knowledge on plastic waste disposal techniques
3	Guest lecture on Challenges in designs & construction of the world tallest bridges.	24 <sup>th</sup> September 2018	M.tech. (SE, SMFE), 4 <sup>th</sup> year students and Reserch Scholars	115	Research Scholars, M.Tech. and B.Tech. Students Acquired knowledge on marine and offshore structures.
4	Guest lecture on Srishiti brick to brick looking back in foundation.	15 <sup>th</sup> October 2019	All M.Tech. students	80	M.Tech. students acquired knowledge on brick
5	A guest lecture on Sustainable concrete through the effective use of industrial waste.	14 <sup>th</sup> October 2019	All M.Tech. and Research Scholars	90	Research Scholars and M.Tech. students acquired knowledge on sustainable concrete
6	Guest lecture on Need of proper geotechnical investigation.	12 <sup>th</sup> December 2019	M.Tech (SMFE) and 4 <sup>th</sup> year B.Tech. students	79	M.Tech. and B.Tech. Students acquired knowledge on geotechnical Investigati
7	Guest lecture on Development in road infrastructure in india.	18 <sup>th</sup> October 2019	M.Tech (SMFE) and 4 <sup>th</sup> year B.Tech. students	58	M.Tech. and 4 <sup>th</sup> year B.Tech. Students acquired knowledge on developments in road infrastructure



# GUEST LECTURES ORGANISED



S. No.	Description of the Program	Date	Target group of the Program	No. of Participants	Outcome of the Event
8	Interactive session with prof. Rao. S. Govindaraju, purdue university.	28 <sup>th</sup> April 2022	Research Scholars, M.Tech. (HC&HE) students	72	PG students and Research Scholars got benefitted from interaction.
9	Guest lecture on Introduction to Maritime Structures and Offshore Structures by Prof. R.Sunderavadivelu, Emeritus Professor, Dept. of Ocean Engineering, IIT Madras.	9 <sup>th</sup> May 2022	Research Scholars, M.Tech. and B.Tech. students	111	Research Scholars, M.Tech. and B.Tech. Students acquired knowledge on marine and offshore structures.
10	Guest lecture on From Structural Engineering to Data Analysis by Mrs. Priyalragavarapu, Vice President of Data and Analytic, Aarete Chicago, Illinois, United States.	22 <sup>nd</sup> April 2022	Research Scholars, M.Tech. and B.Tech. students	112	Research Scholars, M.Tech. and B.Tech. Students acquired knowledge on structural Engineering and data analysis.
11	Guest Lecture on Technology Advancement in Water Proofing Repairs and Rehabilitation of RCC Structures.	22 <sup>nd</sup> July 2022	Research Scholars, M.Tech. and 4 <sup>th</sup> B.Tech.Year students	93	Research Scholars, M.Tech. and 4 <sup>th</sup> year B.Tech. Students acquired knowledge on water proofing, repairs and rehabilitation of RCC Structures.
12	Guest Lecture on Municipal water Infrastrucutre and the performance assurance delivery.	8 <sup>th</sup> July 2022	Research Scholars, M.Tech.	47	Research Scholars, M.Tech. Students acquired knowledge on Municipal water infrastructure and performance assurance delivery.



# EXTENSION AND OUTREACH PROGRAMMES



- Department Day
- Ethnic Day





# NATIONAL STUDENTS SYMPOSIA



**Invitation**  
**Department of Civil Engineering**  
 A.U. College of Engineering (A)  
 Andhra University, Visakhapatnam

Cordially invites you to 'ACCESS-2019' as part of **Engineers' Day Celebrations** on the occasion of Birth Anniversary of **Sir MOKSHAGUNDAM VISVESVARAYA**

at 10.00 a.m. on September 15, 2019  
 in **Dr.Y.V.S. Murty Auditorium**  
 A.U. College of Engineering (A)

Theme of the Celebrations  
**"Accessing Spectrum of Knowledge in Civil Engineering"**

**Chief Guest**  
**Prof. P.V.G.D. Prasad Reddy**  
 Vice-Chancellor, Andhra University

**Guests of Honour**  
**Prof. Peri Srinivasa Rao**  
 Principal, A.U. College of Engineering (A)  
**Prof. V.S.R.K. Prasad**  
 Director, I.IPE, Visakhapatnam  
**Sri M.K.V. Sharma**  
 Consultant (Hydro Power)  
**Dr. H. Rajasimha**  
 Former Additional Chief Engineer  
 ISRO, Bangalore  
**Sri A. Madan Kumar**  
 Head of Engineering  
 Keller Ground Engineering (India) Pvt. Ltd.  
 Chennai

President of the Function  
**Prof. T.V. Praveen**  
 Head, Department of Civil Engineering  
 A.U. College of Engineering (A), Visakhapatnam

**Prof. P.V.V. Satyanarayana**  
 Co-ordinator

**Department of Civil Engineering**  
 College of Engineering, Andhra University  
 Visakhapatnam - 530003, Andhra Pradesh.

**ACCESS 2K22**  
 Andhra University  
 Creative Civil Engineering Students Symposium  
 September 15-16, 2022

Commemorating the Birth Anniversary of "Bharata Ratna Sir Mokshagundam Visvesvaraya"

**REGISTER @Rs.500/- Only**

**WIN EXCITING CASH PRIZES!**

**EVENTS**  
**PAPER PROPINE (PAPER PRESENTATION)**  
**BOB THE BUILDER (MODEL MAKING)**  
**TECH CRIST (TECHNICAL QUIZ)**  
**GRAB THE BAG (POSTER MAKING)**

**TECHNICAL QUIZ ON SEPT. 16, 2022**

**REGISTER HERE**

**KEY DATES**  
 Last Date for Paper Submission: August 30, 2022  
 Intimation of Paper Acceptance: September 7, 2022  
 Last Date for Model and Poster Submission: September 15, 2022 (12 noon)

**LAST DATE FOR REGISTRATION: SEPTEMBER 12, 2022**

**CONTACT:**  
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 Mr. M.Lohith  
 +91 9154512240  
 Mr. Md. Alhaj Hussain Shaik  
 +91 9304070717  
 Mr. Shaik Nazem Parveen  
 +91 8309961853  
 Ms. B. Hyndavi  
 +91 9576939737

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**Andhra University Creative Civil Engineering Students Symposium**

**ACCESS 2K22**  
 (September 15-16, 2022)  
 In commemoration of Birth Anniversary of  
 Sir Mokshagundam Visvesvaraya

**Souvenir**

**Organised by**  
**Department of Civil Engineering**  
 College of Engineering  
 Andhra University,  
 Visakhapatnam-530 003

**Department of Civil Engineering**  
 College of Engineering, Andhra University  
 Visakhapatnam-530003, Andhra Pradesh

**ACCESS 2K23**  
 Andhra University  
 Creative Civil Engineering Students Symposium  
 September 15-16, 2023

Commemorating the 162<sup>nd</sup> Birth Anniversary of "Bharata Ratna Sir MOKSHAGUNDAM VISVESVARAYA"

**EVENTS**  
 Paper Guest Showcases (Paper Presentation)  
 Model Maze (Model Making)  
 Quizzy Buzzers (Technical Quiz)  
 Poster Extravaganza (Poster Making)

**QR code for Registration**  
**QR code for Payment**

**KEY DATES**  
 Last date for Paper Submission : Sept. 8, 2023  
 Intimation of Paper Acceptance : Sept. 10, 2023  
 Last Date for Model and Poster Submission : Sept. 12, 2023

**REGISTRATION FEE: ₹295/-**

**LAST DATE FOR REGISTRATION: SEPTEMBER 12, 2023**

**CHIEF PATRON:**  
 Hon'ble Vice Chancellor, Andhra University

**PATRON:**  
 Prof. G. Sankubhushana Rao  
 Principal, ACEE

**CHAIRMAN:**  
 Prof. C.N.V. Satyanarayana Reddy  
 Head of the Department

**COORDINATORS:**  
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 Prof. Sh. Yajana

**Student Coordinators:**  
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 Ms. B. Charishma +91 9440154481  
 Mr. M. Mahendra +91 9392430737  
 Ms. P. Sathvika +91 9705773388

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**ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A)**  
**DEPARTMENT OF CIVIL ENGINEERING**

**TUFF FEATHER**  
**JAM PAC GEO**

**PAPER PROPINE**  
**CLICKFLIX**  
**GRAB THE BAG**

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**ACCESS**  
 SEPT 14-15

FOR FURTHER INFORMATION VISIT:  
 @AUACCESS2K19 @AUACCESS2K19 auaccess2k19@gmail.com

**ORGANISING COMMITTEE**  
 Chief Patron:  
 Prof. P.V.G.D. Prasad Reddy  
 Hon'ble Vice Chancellor, Andhra University

**Contact Details**  
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 Coordinator, ACCESS-2022  
 Associate Professor of Civil Engineering  
 Andhra University, Visakhapatnam - 530003  
 Mobile: +91 9090133130  
 Email ID: [access.acee@gmail.com](mailto:access.acee@gmail.com)

**Contact Details of Core Team**  
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 Mr. Md. Alhaj Hussain Shaik +91 9304070717  
 Mr. Shaik Nazem Parveen +91 8309961853  
 Ms. B. Hyndavi +91 9576939737

**Advisory Committee:**  
 Prof. D.S.R. Murty  
 Prof. T.V. Praveen  
 Prof. K. Bandhana  
 Prof. G.V. Rama Rao  
 Prof. S. Balu Prasad  
 Prof. P.V.V. Satyanarayana  
 Prof. K. Durga Rani  
 Prof. B. Vijaya Sankshi  
 Prof. Vazeer Mahammed  
 Prof. K. Sriharsha Rao  
 Prof. S. Adishesu  
 Prof. Venamreddy Abhuth  
 Prof. Sh. Yajana  
 Dr. M.G. Vani Reddy, Assoc. Prof.  
 Dr. K. Rajasekhar, Assoc. Prof.

**ACCESS-2022**  
 (September 15-16, 2022)

ISO 9001:2015 Certified & NAAC Accredited

**Organized by**  
**Department of Civil Engineering**  
 College of Engineering, Andhra University  
 Visakhapatnam - 530 003  
 Andhra Pradesh

**ORGANIZING COMMITTEE**  
 Chief Patron:  
 Prof. P.V.G.D. Prasad Reddy  
 Hon'ble Vice Chancellor

**Contact Details:**  
 Andhra University  
 Creative Civil Engineering Students Symposium

**ACCESS-2K23**  
 (September 15-16, 2023)

**Principal, ACEE**  
 Prof. G. Sankubhushana Rao  
 Prof. S. Balu Prasad

**Chairman:**  
 Prof. C.N.V. Satyanarayana Reddy  
 Head of the Department

**Coordinators:**  
 Dr. K. Rajasekhar, Assoc. Prof.  
 Prof. Sh. Yajana

**ADVISORY COMMITTEE:**  
 Prof. D.S.R. Murty  
 Prof. K. Rajagopal  
 Prof. T.V. Praveen  
 Prof. K. Rambabu  
 Prof. S. Balu Prasad  
 Prof. P.V.V. Satyanarayana  
 Prof. K. Durga Rani  
 Prof. B. Vijaya Sankshi  
 Prof. Vazeer Mahammed  
 Prof. K. Srinivasa Rao  
 Prof. S. Adishesu  
 Prof. V. Abhishta  
 Prof. M. G. Muni Reddy  
 Prof. I. Siva Parvathi  
 Dr. T. Usha Madhuri, Assoc. Prof.

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 Ms. P. Sathvika +91 9705773388

**QR code for Registration**  
**QR code for Payment**

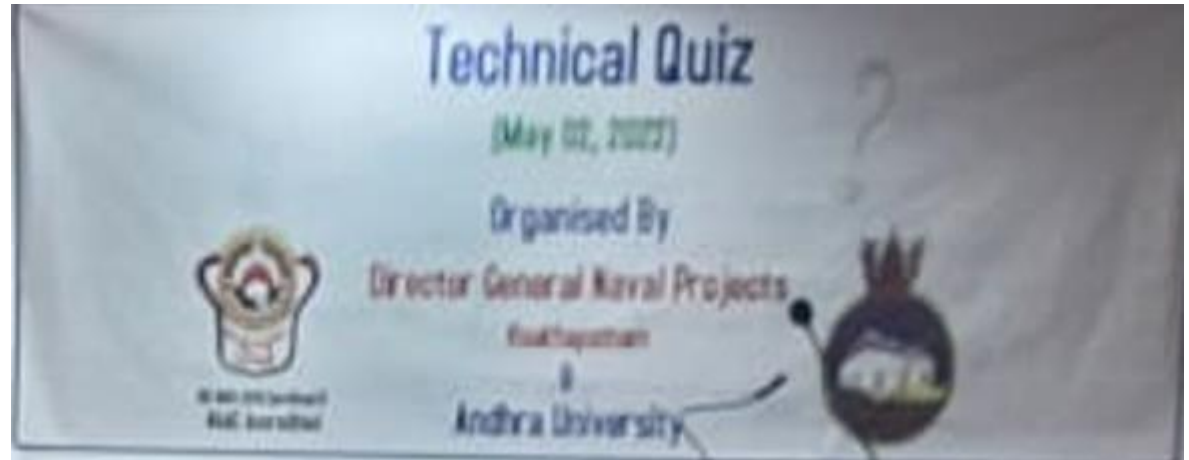
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 College of engineering  
 Andhra University  
 Visakhapatnam-530003  
 Andhra Pradesh



# EXTENSION AND OUTREACH PROGRAMMES

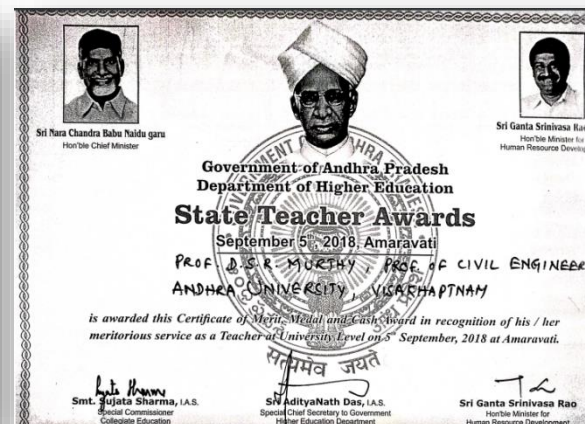


Poster Presentation Competition





# AWARDS





# ABROAD VISITS



**Prof. C.N.V.Satyanarayana Reddy attended “Digital Firestarter Facilitation Training”, PURDUE Research Foundation, PURDUE University, Indianapolis, USA during 18-30 September, 2022**





# COMMUNITY SERVICES



REDMI NOTE 8 PRO  
AI QUAD CAMERA

Swachh bharat



GPS Map Camera



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P8G9+XV6, AU North Campus, Andhra University  
North Campus, Andhra University, Visakhapatnam,  
Andhra Pradesh 530003, India  
Lat 17.72731°  
Long 83.319616°  
04/11/22 04:05 PM GMT +05:30



GPS Map Camera



विशाखापट्टनम, आंध्र प्रदेश, भारत  
P8G9+XV6, AU नॉर्थ कैंपस, आंध्रा युनिवर्सिटी नॉर्थ कैंपस,  
आंध्रा युनिवर्सिटी, विशाखापट्टनम, आंध्र प्रदेश 530003, भारत  
Lat 17.727291°  
Long 83.319625°  
04/11/22 03:44 PM GMT +05:30

Swachh bharat



REDMI NOTE 8 PRO  
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Swachh bharat

Swachh bharat



# e-Library resources



<b>e-Library resources /Wi-fi/internet facilities/Band width/Shodhganga/Databases</b>	
Internet bandwidth	College is having 1 GBPS leased line
Journals	DELNET
e – journals	DELNET
e-books	DELNET
e-ShodhSindhu	Free Access
Shodhganga	Free Access
Databases	Free Access

<b>BOOKS – CIVIL ENGINEERING</b>	
No. of Titles	4733
No. of copies	1683



## MoUs



S. No.	Title of the collaborative activity	Name of the collaborating agency	Representative	Year of collaboration	Outcome
1	Highway infrastructure development	National Highways Authority of India (NHAI)	Department of Civil Engineering, A.U.	2020	18 M.Tech and 4 Research scholars got exposed to Highway construction
2	Consultancy services for Ground Improvement of Parallel Taxi Track at INS Dega	Chief Engineer, Navy, Visakhapatnam	Prof. C.N.V.Satyanarayana Reddy	2021 - 2023	Apart from consultancy amount, 35 PG students of Geotechnical Engineering got benefitted through field visits
3	Pilot offering of courses related to Earthquake Resistant Design	National Disaster Management Authority (NDMA) in association with IIT Bombay	Prof. K.Srinivasa Rao	2022-20223	80 UG & 40 PG students got benefitted by offering Elements of Earthquake Engineering, Earthquake Engineering & Geotechnical Earthquake Engineering respectively



## Faculty in administrative positions



<b>Name of the Teacher</b>	<b>Positions held</b>	<b>Period</b>
<b>Prof. D.S.R. Murty</b>	<ul style="list-style-type: none"><li>❖ Head, Department of Civil Engineering</li><li>❖ Chairman, BOS, Department of Civil Engineering</li><li>❖ Director, Center for Industrial and scientific Consultancy (CISC), A.U.</li></ul>	July 2022 to May 2023  January 2013 to June 2013 July 2016 to December 2018 October 2017 to April 2021
<b>Prof. G.V.R.Srinivasa Rao</b>	<ul style="list-style-type: none"><li>❖ Head, Department of Civil Engineering</li><li>❖ Chairman, BOS, Department of Civil Engineering</li><li>❖ Director, IIIT, Nuzvid</li><li>❖ Coordinator, Civil Works, A.U.</li></ul>	July 2016 to June 2019 July 2013 to June 2016  July 2016 to December 2018 October 2017 to April 2021
<b>Prof. T.V. Praveen</b>	<ul style="list-style-type: none"><li>❖ Head, Department of Civil Engineering</li><li>❖ Chairman, BOS, Department of Civil Engineering</li><li>❖ Additional Dean, Confidential Section, A.U.</li></ul>	July 2019 to February 2022 January 2019 to June 2019  March 2013 to August 2016



## Faculty in administrative positions



<b>Name of the Teacher</b>	<b>Positions held</b>	<b>Period</b>
<b>Prof. G.V.Ramarao</b>	❖ Chairman, BOS, Department of Civil Engineering	July 2022 to May 2023
<b>Prof. K.Rambabu</b>	❖ Chairman, BOS, Department of Civil Engineering	July 2019 to June 2022
<b>Prof. C.N.V. Satyanarayana Reddy</b>	❖ Head, Department of Civil Engineering, A.U. ❖ I/c Head, Department of Geo Engineering, A.U. ❖ Dean, College Development Council, A.U. ❖ Honorary Director, A.U. Development Centre  ❖ Coordinator, TEQIP, Phase I, College of Engg. ❖ Director (FAC), Center for Industrial and Scientific Consultancy (CISC), Andhra University.	March 2022 to till date  March 2021 to April 2021 February 2023 to till date  February 2013 to October 2017  2017 to 2018 October 2023 to till date
<b>Prof. S. Balaprasad</b>	❖ Head, Department of Env. Science, Engg., and Mangement ❖ I/c Head, Dept. of Environmental Sciences, AUCST, A.U., Visakhapatnam	2021 to till date  February 2022 to February 2023



## Faculty in administrative positions



<b>Name of the Teacher</b>	<b>Positions held</b>	<b>Period</b>
<b>Prof. P.V.V. Satyanarayana</b>	<ul style="list-style-type: none"><li>❖ Chairman, BOS</li><li>❖ Member, Academic Senate, A.U.</li><li>❖ Member, Board of Governors, A.U.C.E.</li><li>❖ Assistant Principal, A.U.C.E.</li><li>❖ Associate Dean, Director of admissions, A.U.</li></ul>	June 2023 to till date December 2013 to till date February 2010 to December 2015 April 2006 to November 2008 February 2011 to March 2012
<b>Prof. K. Durga Rani</b>	<ul style="list-style-type: none"><li>❖ Chief Warden, Engg., Girls Hostels</li><li>❖ Member, Executive Committee, A.U.</li></ul>	October 2023 to till date
<b>Prof. Vazeer Mahmood</b>	<ul style="list-style-type: none"><li>❖ Dean, Engineering Works.</li><li>❖ Head, Department of Geo Engineering, A.U.</li><li>❖ Assistant Principal, A.U.C.E.</li><li>❖ Associate Dean, Director of admissions, A.U.</li></ul>	November 2017 to till date May 2021 to date  2008 to 2010 2013 to 2017
<b>Prof. K. Srinivasa Rao</b>	<ul style="list-style-type: none"><li>❖ Dean, Engineering Works</li></ul>	September 2014 to November 2018



## Faculty in administrative positions



<b>Name of the Teacher</b>	<b>Positions held</b>	<b>Period</b>
<b>Prof. Yerramsetty Abbulu</b>	<ul style="list-style-type: none"><li>❖ Chief Warden, Engg. Boys Hostels, College of Engg., A.U.</li><li>❖ Director, Center for Industrial and Scientific Consultancy (CISC), Andhra University</li><li>❖ Chief, A.U. Employment Information &amp; Guidance Bureau</li><li>❖ Chairman, BOS, Dept. of Environmental Science, Engineering and Management</li><li>❖ I/c Chairman, BOS, Dept. of Environmental Sciences, AUCST, A.U., Visakhapatnam</li></ul>	November 2017 to July 2023  April 2021 to June 2023  February 2013 to December 2022  February 2022 to February 2025  February 2022 to February 2023



# STUDENTS SCHOLARSHIPS



Year	Name of the scheme	Number of students benefited by government scheme and amount	
		Number of students	Amount (Rs.)
2017-18	Jnanabhumi postmetric scholarships (Fees reimbursement)	140	1689043
2018-19	Jnanabhumi postmetric scholarships (Fees reimbursement)	159	2428091
2019-20	Jnanabhumi postmetric scholarships (Fees reimbursement)	183	809415
2020-21	AP Jagananna Vidya Deevana (Fees reimbursement)	99	637500
2020-21	AP Jagananna Vasathi Deevana (Hostel accommodation)	99	637500
2021-22	AP Jagananna Vidya Deevana scholarships (Fees reimbursement)	145	469450
2021-22	AP Jagananna Vasathi Deevana (Hostel accommodation)	145	469450





# STUDENTS SCHOLARSHIPS



Year	Name of the scheme	Number of students benefited by government scheme and amount	
		Number of students	Amount per annum per candidate (Rs.)
2017-18	DST-Inspire Fellowship 1. Edala Rakesh Reddy 2. Marreddy Nagalakshmi	2	4,23,680
2018-19	National Fellowship for ST, Ministry of Tribal Affairs 1. Banoth Chittibabu	1	4,14,760
	MHRD- M.Tech Scholarships	176	1,48,400
2017-22	ICCR – Ph.D.	21	2,64,000
	ICCR – M.Tech.	15	2,40,000
	ICCR – B.Tech.	44	2,16,000



# STUDENTS PROGRESSION



- **Average Pass Percentage : 82%**
- **Placements : 50%**
- **Higher Education: 35%**
- **Preparation for Engineering Services /GATE/ other Competitive exams: 15%**



## ENTREPRENEURS



S.No.	Name	Forum/Company
1	Somasekhar Naidu	D 2 D Consultancy
2	S.L.Narasimha Rao	Consultancy
3	Dr. Ratantej Reddy	Consultancy
4	Rakesh	Consultancy
5	A. Srinivas	Contractor
6	Kesava Prasad	M/s Prasad Constructions
7	Ch. Srinivas	M/s COSECS
8	P. Srinivasa Rao	Srinivasarao Engineers & Contractors
9	Chetekam Chandra Mouli	Sri Aditya Construction & Consultancy Corporation
10	B. Rami Reddy	Bhumi Reddy Constructions
11	K. Ramesh	Babu Constructions
12	CH. Pavan Bharadwaj	V.R Nirman Pvt Ltd
13	N. Vamsi Mohan	Arnav Constructions
14	P. Madhu Kiran Reddy	S.S.S Balaji Constructions
15	P. Srinivasa Rao	S.O.S Designers & Developers
16	CH. Satyanarayana	Satya Associates
17	N.S.N Chaitanya Varma	N.S.N Builders
18	Hari Gompa	Building Doctors
19	N. Pradeep	Arka Constructions



## ENTREPRENEURS



S.No.	Name	Forum/Company
20	N. Pradeep	Arka Constructions
21	T. Sai Kiran	Modern Arch Constructions
22	Ganta Siva	Padmanabham Constructions
23	Harsha Vardhan	Vizag Profiles
24	Sandeep Baisetty	Apex Nirman Pvt Ltd
25	H.S.S Krishna	Retro Designs
26	Charan Vellanki	Vellanki Developers
27	Vamsi Yadav	Parivar Developers
28	S. Vijaya Kumar	Vijaya Nirman Constructions



## PROMINENT ALUMNI



NAME OF ALUMNI	NAME OF ORGANIZATION ASSOCIATED
Mr. A. Ramakrishna	Deputy Chairman, L & T
Prof. V.S. Raju	I.I.T. Madras; Director I.I.T. Delhi
Prof. K.V.N. Sarma	I.I.Sc. Bangalore
Prof. M.R. Madhav	I.I.T. Kanpur; Former Vice-President (Asia) ISSMGE
Prof. J.S.R. Murthy	I.I.T. Bombay
Prof. A.S.R. Sai	I.I.T. Kanpur
Dr. D. Swaminadhan	Member, Planning Commission GOI & Former Vice-Chancellor, JNTU Hyderabad
Prof. P. Ramana Murthy	Purdue University, U.S.A.
Prof. S. Narasimha Rao	I.I.T. Madras
Mr. K. Rattaih	Deputy Chief Mission, Indian Embassy, Athens
Prof. K. Ganesh Babu	I.I.T. Madras, Former Director, CBRI Roorkee
Dr. S. Vijaya Kumar	CMD, Vijay Nirman Company
Mr. Satyanarayana	NASA, U.S.A.
Prof. G.Appa Rao	I.I.T. Madras
Sri P.Vishnukumar Raju	MD, SVC Constructions



## PROMINENT ALUMNI



NAME OF ALUMNI	NAME OF ORGANIZATION ASSOCIATED
Prof. J. Ravi Shanker	I.I.T. Roorkee
Dr. Shareef	I.I.T. Bombay
Dr. Raheel	I.I.T. Gandhinagar
Dr. Ch. Vinay Kumar	N.I.T. Trichy
Dr. G.Venkata Ramana	N.I.T. Warangal

## CONTRIBUTION BY ALUMNI/INDUSTRY

NAME OF ALUMNI	AMOUNT (Rs.)
Dr. K. Kumar Raja, Kumar Raja Projects, Visakhapatnam	Provided false ceiling to Sir MV conference hall (worth 3.0 lakh)
Sri P. Vishnu Kumar Raju, S.V.C. Constructions	Donated 6 AC units to Sir MV conference hall 1 (worth 2.25 lakh)
NCC Ltd., Visakhapatnam	Stainless Steel fencing in front of New Class Room Building (worth 1.50 lakh)
Alumni (1965-2013)	Constructions of Girls Waiting Hall of Civil Engineering (worth 10.3 lakh)



# PROMINENT ALUMNI CONTRIBUTION



REDMI NOTE 8 PRO  
AI QUAD CAMERA



REDMI NOTE 8 PRO  
AI QUAD CAMERA



REDMI NOTE 8 PRO  
AI QUAD CAMERA

## Footpath tiles work



## Sir MV Conference Hall



17.43°37' 83°19'12" 71.5m  
09/12/2021 09:56:35 AM

## Girls Waiting Hall



## Civil Engineering Dept. Library



# ENERGY CONSERVATION



## Energy services

- Solar panels of 10 kW capacity installed on roof top of Civil Engineering department with back-up batteries is catering to the needs of faculty rooms, office and PG Class Rooms.



## Waste Management

- Utilisation of unused construction materials like cement, sand and aggregate for department and other department repair and ambience works.
- Utilisation of tested specimens in small scale constructions of the college.

## Water conservation

- Soak pits
- Check dams





# GENDER SENSITIZATION AND DISABLED FRIENDLY ENVIRONMENT



## Disabled friendly environment

Ramps and lift near class Rooms are provided for the Convenience of Disabled students.



**APPROACH RAMP FOR DISABLED AT CIVIL ENGINEERING CLASS ROOM COMPLEX**

## Gender Sensitization

Separate Waiting Hall for Girls is provided at department level.

This facility is provided additionally to cater to the needs of girl students of the department.



**GIRLS WAITING HALL**



## BEST PRACTICES AND FUTURE PLANS



### BEST PRACTICES

- Award of Gold Medal to the Best outgoing Student of B.Tech.(Civil engg) student.
- Department organises various technical events on commemoration days such as Engineers' day, Terzaghi Day, K.L.Rao Birthday, Sir Arthur Cotton Birthday, etc.,
- Involving students in consultancy activities to expose them to field practice
- Publishing of Department magazine "Civisions"

### FUTURE PLANS OF THE DEPARTMENT

- To create additional building space for laboratories for establishing Centers of Excellence.
- To achieve NABL certification to all laboratories.







# BEST PRACTICES




ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A)  
**DEPARTMENT OF CIVIL ENGINEERING**




TUFF FEATHER




JAM PAC GEO




PAPER PROPINE




CLICKFLIX




GRAB THE BAG




IMPROMPTU




BOB - THE BUILDER



TECH CEIST



CIVIL: Creating Incredible Vision In Life



SEPT 14-15

FOR FURTHER INFORMATION, VISIT:  
f AUACCESS2K19 @AUACCESS2K19 auaccess2k19@gmail.com



## Technical Event – ACCESS 2019



**Civil Engineering Magazine**

Department of Civil Engineering  
Andhra University College of Engineering  
Andhra University, Visakhapatnam – 530 003



**CIVISIONS**

JUNE 2022



**THANK YOU**