



**KKR&KSR Institute of Technology and Sciences**  
**Vinjanampadu, Guntur, Andhra Pradesh-522017**

Approved by AICTE, New Delhi and Permanent Affiliation from JNTUK, Kakinada

Accredited with "A" Grade by NAAC & NBA Accreditation Status for 4 UG (CSE, ECE, EEE, ME) Programs

**DEPARTMENT OF CIVIL ENGINEERING**

**FACULTY DEVELOPMENT PROGRAMME 2K20 REPORT**

**EVENT:** Faculty Development Program

**DATE:** 15<sup>th</sup>-19<sup>th</sup> July, 2020,

**TIME:** 11.00 AM to 1:00 PM, IST.

**VENUE:** Go to webinar (**ONLINE**)

**TITLE:** "Novel Research Developments in Civil Engineering"

**ORGANISED BY:** Civil Engineering Department.

**CONVENOR:**

Dr. M. Ravindra Krishna, Professor & HOD

**Co convenors**

K.V. R Karthikeyan

K. Kavya

**Treasurer**

A.Suri Babu, Assistant Professor

## **DETAILS OF RESOURCE PERSONS:**

### **Day-1 on 15/07/2020**

Dr. M.V. Seshagiri Rao, Rtd Professor JNTUH, Present Professor & Director of CVR College, Hyderabad.

### **Day-2 on 16/07/2020**

Dr. Roman Babu , Assistant Professor, IIT Tirupathi

### **Day-3 on 17/07/2020**

Dr. Roshan Srivastav, Assistant Professor, IIT Tirupati

### **Day-4 on 18/07/2020**

Dr. Jagadish Vengala , FIE, FACCE(I) Head, Associate Professor,PVPSIT

### **Day-5 on 19/07/2020**

Dr. D. Ramaseshu , Professor, NIT Warangal.

## Event Poster:

**About Institution:**  
IKKR & IISR Institute of Technology & Sciences, popularly known as KITS was established in the year 2008, by GSR & IKKR Educational Society in Vinjanampadu village, Vatticherukuru Mandal of Guntur district. KITS has set for itself the mission to churn out professional, deft, academically-bright and socially responsible individuals to contribute its wee bit to the knowledge society. The college is situated in a spacious 11 acres of land in an idyllic rural setting. Despite being a college with 12 years of academic standing, the college is making rapid strides in establishing good practices in teaching-learning processes. It's a pleasure to disclose the achievements made by the students of KITS in all spheres, of participation at the university level. It's proud moment for our institution and students who have topped the university in various faculties of Engineering. The college has good infrastructure and is making concrete efforts in building an industry-institute beneficial corridor through addressing both the potential resources of the region and also meeting the transnational technical requirements. Though main impetus of our college is technology it also supports and encourages students to involve in various social service activities like Blood Donation, Donations to orphanages, old age homes, and poor feeding. As on the date, college enjoys NAAC accreditation of "A" Grade for 5 years, NBA accreditation for 3 years since 2018 and permanent affiliation of JNTUK Kakinada. The institution has received funding amount worth of Rs1.65cr from various funding organizations; there is 170 qualified teaching staff which is more than the stipulated number by AICTE/affiliating University.

**About Department:**  
The department of Civil Engineering, established in 2009, offers B.Tech programme in Civil Engineering. The department has well experienced and committed teaching staff. Department is the foremost in imparting Civil Engineering education in KITS. The department has well established and state-of-the-art laboratories to cater to the needs of the students.

**About the Faculty Development Program:**  
The Faculty Development Program focus on Recent developments in various specializations of Civil Engineering. The program is intended to impart the knowledge about the Admixtures, Seismic evaluation and Retrofitting of structures, Advances in Hydrological studies, Challenges in construction of structures in seismic zones, NDT tests in civil engineering.

**DAY-1 on 15-07-2020**  
**Dr. M.V.SESHAGIRI RAO**  
JNTUH, Former Professor & HOD of Civil Dept, Vice-Principal, Director, BICS & Chief Engineer, Present Professor, Dean Planning & Co-ordination, CVR College of Engineering, Hyderabad, Telangana State

**DAY-2 on 16-07-2020**  
**Dr. ROMAN BABU OINAM**  
Assistant Professor  
Department of Civil and Environmental Engineering  
IIT TIRUPATI, TIRUPATI, Andhra Pradesh

**DAY-3 on 17-07-2020**  
**Dr. ROSHAN SRIVASTAV**  
Assistant Professor  
Dept of Civil and Environmental Engineering  
IIT TIRUPATI, Tirupati, Andhra Pradesh  
Supported by  
HydroSystems Research Lab  
Ms. Poonam B. Wagh  
Mr. SriRam J. Babu

**DAY-4 on 18-07-2020**  
**Dr. JAGADISH VENGALA,**  
FIE, FACCE(I) Head, EDC Innovation & Incubation Centre, Associate Professor, Department of Civil Engineering, PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh

**DAY-5 on 19-07-2020**  
**Dr. D. RAMASESHU**  
Professor of Civil Engineering,  
NIT Warangal, Warangal, Telangana State

**15<sup>th</sup>-19<sup>th</sup> JULY 2020**  
**11AM - 1 PM**

**PAYMENT BY:**  
A. SURI BABU  
99086 61762

**JOIN US BY GO TO WEBINAR**

**REGISTER THROUGH THIS LINK:**  
[www.kitscivilfdp/webinar.com](http://www.kitscivilfdp/webinar.com)

- REGISTRATION FEE : 100 INR
- WHO CAN ATTEND - ACADEMICS & PROFESSIONALS (interested only)
- ATTENDANCE FOR ALL FIVE DAYS IS MANDATORY
- E-CERTIFICATES WILL BE PROVIDED TO THOSE WHO SUBMIT ONLINE FEEDBACK

## Event Description:

### DAY-1 15/07/2020

**SPEAKER : Dr. M V Sesha Giri Rao**

Topic on: Research developments in concrete technologies

Explain about role of sustainable development principle of Sustainable construction unsustainable aspects of concrete production bacterial concrete concept of self healing quaternary blended concrete high strength fly ash concrete jio polymer concrete STEP cement.

### DAY-2 16/07/2020

**SPEAKER : Dr. Roaman Babu Oinam**

Topic on: Application of energy absorber & dissipater devices

Explain about that tectonic motions danger level earthquakes applications of FRP wrapping its case studies dissipators hysteria devices damping devices earthquake resistant design role of energy dissipation devices current seismic code performance objectives and case studies.

### **DAY-3 17/07/2020**

**SPEAKER : Dr.Roshan Srivastav**

Topic on: Application of remote sensing GIS progress & Future Prospects

Explain about geographic information system remote Sensing and geographical information system non invasive technologies geographic information satellite constellation

### **DAY-4 18/07/2020**

**SPEAKER Dr. Jagadesh Vengala**

Topic on: challenges in construction engineering under seismic zones

Explain about seismic zones earthquakes engineering vs building engineering dynamic behavior of bamboo based housing system i k r a energy requirement of construction materials traditional bamboo construction typical moisture content relation internodal injection shock table vs shake table construction of shock table..

### **DAY-5 19/07/2020**

**SPEAKER Dr.D.Rama Seshu**

Topic on: Special Concretes

Explain about why special concrete about the green materials sustainable development why conventional concrete is not Green how tests are conducted on mortar, about Agro waste light weight or heavy weight on which RPC Ultra durable concrete nanotechnology impact in concrete self cleaning building test methods and non cement concrete.

**Event Registrations: 44**

Screenshot of DAY 1

**DAY-1 ON 15-07-2020**  
**5 DAY FDP ON NOVEL RESEARCH DEVELOPMENTS IN CIVIL ENGINEERING (NRDCE)**

**Dr.M.V.SESHAGIRI RAO**  
JNTUH, FORMER PROFESSOR & HOD OF CIVIL DEPT,  
VICE-PRINCIPAL, DIRECTOR, BICS & CHIEF ENGINEER,  
PRESENT PROFESSOR, DEAN PLANNING & CO-ORDINATION,  
CVR COLLEGE OF ENGINEERING, HYDERABAD,  
TELANGANA STATE

**TOPIC ON**  
**RESEARCH DEVELOPMENTS IN CONCRETE TECHNOLOGY**

At the end of the day 1 session resource persons clarified the doubts questioned by the participants and vote of thanks was delivered by Kvr.kartikayan Asst professor.

Screenshot of DAY 2

**Application of Energy Absorber and Dissipator Devices in Seismic Retrofitting of Structures**

**Dr. Romanbabu Oinam**  
Assistant Professor

**TIRUPATI**  
Department of Civil & Environmental Engineering  
Indian Institute of Technology Tirupati

At the end of the day 2 session resource persons clarified the doubts questioned by the participants and vote of thanks was delivered by Veerendra Asst professor.

### Screenshot of DAY 3

**DAY-3 ON 17-07-2020**

**Dr. ROSHAN SRIVASTAV**  
Assistant Professor  
Dept of Civil and Environmental Engineering  
IIT TIRUPATI, Tirupati, Andhra Pradesh

**TOPIC ON Applications of Remote Sensing and GIS - Progress and Future Prospects**

www.youtubec.com • 2m

At the end of the day 3 session resource persons clarified the doubts questioned by the participants and vote of thanks was delivered by T Nilima Asst professor.

### Screenshot of DAY 4

**CHALLENGES IN  
TRADITIONAL CONSTRUCTION  
UNDER SEISMIC ZONES**

by

**Dr. JAGADISH VENGALA**

Assoc. Professor, Department of Civil Engineering  
Head, EDC, Incubation & Innovation Centre  
PVP Siddhartha Institute of Technology, VIJAYAWADA

Former HoD, Dept of Civil Engineering, BMSIT & M Bangalore  
Former Scientist, IPIRTI (Min. of Env. & Forests, Govt. Of India), Bangalore

At the end of the day 4 session resource persons clarified the doubts questioned by the participants and vote of thanks was delivered by Kavya K Asst professor.

#### Screenshot of DAY 5

**DAY-5 ON 19-07-2020**

**5 DAY FDP ON NOVEL RESEARCH DEVELOPMENTS  
IN CIVIL ENGINEERING (NRDCE)**

**Dr. D. RAMASESHU**  
Professor of Civil Engineering,  
NIT Warangal, Warangal, Telangana State

**TOPIC ON  
SPECIAL CONCRETES**

At the end of the day 5 session resource persons clarified the doubts questioned by the participants and vote of thanks was delivered by Nagendra babu Asst professor.

