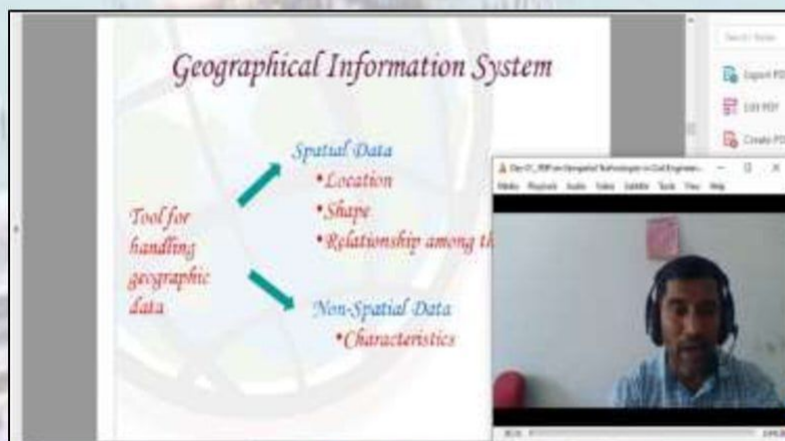


NIRMAAN

A Newsletter from Department of Civil Engineering, R.G.M.C.E.T. Nandyal
Volume 9, No I, December ,2020



RAJEEV GANDHI COLLEGE OF ENGG & TECH(Autonomous)
Nandyal, Andhra Pradesh



VISION

To be an outstanding department devoted to provide value based education in Civil Engineering which will produce socially aware professionals to provide solutions of global standards.

MISSION

- To impart quality education that develops innovative professionals with research orientation and entrepreneurs.
- To prepare professionals with emphasizes on leadership, team work and ethical conduct.
- To undertake collaborative projects and consultancy works with academia and industry.

PROGRAM EDUCATIONAL OBJECTIVES

PEO-1	Assessing societal needs and plan suitable infrastructure
PEO-2	Excel in Civil Engineering and in other allied fields
PEO-3	Develop team spirit and inter personal dynamics for effective execution and management of projects
PEO-4	Adhering life-long learning skills and adopt to changing professional and societal needs

PROGRAM SPECIFIC OUTCOMES

PSO1	Capability to investigate, plan, analyze and design buildings for different purposes such as residential, commercial, public office, recreational etc. using STAAD Pro and relevant software
PSO2	Competency in preliminary engineering surveys, planning and design of infrastructure viz. roads, bridges and designing traffic control systems etc. using MX-Roads and other relevant software programs
PSO3	Conduct field and laboratory tests for analysis and quality control of civil engineering projects



NIRMAAN



A Newsletter from School of Civil Engineering, R.G.M.C.E.T. Nandyal, December -2020

Editorial

It is a great pleasure to present before you the December month issue of 'NIRMAAN', the half-yearly newsletter of School of Civil Engineering, R.G.M.C.E.T, Nandyal. The current newsletter highlights the activities of our students and the achievements of faculty during the past semester. It also features visits by eminent persons to the department of Civil Engineering - R.G.M.C.E.T, Nandyal. The dynamism of the department is clearly reflected through the awards that our faculties and students have bagged in their credit. The main intent of 'NIRMAAN' is to disseminate information about our Department. We hope that the readers find the issue informative and useful.

EVENTS ORGANISED

1. International webinar series on Recent Trends in Structural and Earthquake Engg (RTSEE) was conducted from 14th to 18th July 2020 in Google meet interface. The details about the topic and the speaker are as listed below :

S. NO	TOPIC	SPEAKER
1	Seismic Risk And Condition Assessment For Different Type Of Engineering Structures	Dr. VESILE HATUN AKANSEL, MUĞLA SITKI KOÇMAN UNIVERSITY, TURKEY.
2	A feasible Retrofitting Solution To The Soft-Storey Problem In Reinforced Concrete Buildings	Dr. G CHAITANYA KRISHNA, PROJECT ASSISTANT PROFESSOR, UNIVERSITY OF TOKYO, JAPAN.
3	Turning Disasters Into Knowledge: Lessons Learned From Recent Earthquakes	Dr. MENZER PELHIVAN, TEAM LEADER GEOTECHNICAL GROUP, JACOBS, USA.
4	Demand Capacity Ratio For Seismic	Mr. K JAGAN MOHAN,

	Performance Evaluation Of Concrete Gravity Dams	RESEARCH SCHOLAR, RMIT, AUSTRALIA.
5	Role Of Structural Engineer In The Offshore Industry	Mr. DINESH ADEPU, SENIOR OFFSHORE STRUCTURAL ENGINEER AT SNC-LAVALIN, ABUDHABI.

SEISMICITY AND OBSERVED STRONG GROUND MOTIONS

- The 23 October 2011 Van earthquake occurred in this system on a fault that was not mapped on the active fault map of Turkey by Saroglu et al. (1992). The Anatolian plate is under continuous westward lateral movement and rotation due to the northward motion of the Arabian plate.

- The major tectonic structures in Turkey are the well-studied North Anatolian fault zone (NAFZ) and East Anatolian fault zone. Both of the fault zones generate predominantly strike-slip events. These fault systems had led to severe earthquakes historically, as well as in the recent past. Another significant tectonic structure is the Bitlis thrust zone in southeastern Anatolia, formed as a result of the northward movement of the Arabian plate being subducted beneath the Eurasian plate.
- Consistent with the tectonic stress field in the area, the fault mechanism was solved to be a thrust with the **strike, dip and rake angles** of **241°, 51°, and 58°**, respectively (USGS 2011).

14.07.2020 Dr. Vesile Hatun Akansel, RTSEE, July 2020

Seismic Risk And Condition Assessment For Different Type Of Engineering Structures -Dr. Vesile Hatun Akansel,

Preface

- The field of interest here is structural dynamics and earthquake engineering
- Research work is theoretical, field survey and numerical
- Developed in the context of Nepal and largely applicable for seismic zones of India
- Assumed that audience understand terms such as inter-storey drift, finite element method, static pushover analysis, base shear roof-displacement, dynamic analysis and engineering optimization, response spectrum, failure
- Numerical modelling is done mainly in a simulation tool name Applied Element Method (AEM)

14.07.2020 Dr. G. Chaitanya Krishna, RTSEE, July 2020

A feasible Retrofitting Solution To The Soft-Storey Problem In Reinforced Concrete Buildings -Dr G Chaitanya Krishna

Dr. Menzer Pehlivan

CIVIL ENGG RGMCE

A

admin

VG

Vaishali Ghorpade

AD

Aayushi Doshi

2015 Gorkha, Nepal Earthquake – Mw 7.8

April 25, 2015 Mw 7.8 Gorkha Eq occurred on or close to the Main Himalayan Thrust Fault

- Unilateral, eastward directed rupture
- No surface rupture ~ 15 km depth
- Combined rupture length of ~150 km
- Peak slip close to 6 m
- Up to 5 m of slip in the aftershock

(after McNamara et al, 2016)

Turning Disasters Into Knowledge: Lessons Learned From Recent Earthquakes-Dr. Menzer Pehlivan

CIVIL ENGG RGMCE

J

Jagan

LH

L SRI HARIKA

DK

D Jagath Kumari

P

Prof.E.Arunakanthi

Seismic Performance and Damage Criteria for Concrete Dams

Demand-Capacity Ratio (DCR) model

Figure 7: Demand-capacity ratio (DCR) and cumulative duration for concrete arch dams, Yousuf Ghanaat (2002)

DCR (1-2):

- Tensile stresses
 - \leq Tensile strength (USACE, 2003)
 - Limit of 0.3 sec from 5 stress excursions allowed in practice (USACE, 2003)

Cumulative Inelastic duration:

Figure 8: Tensile Stress time histories

Percentage Overstressed area:

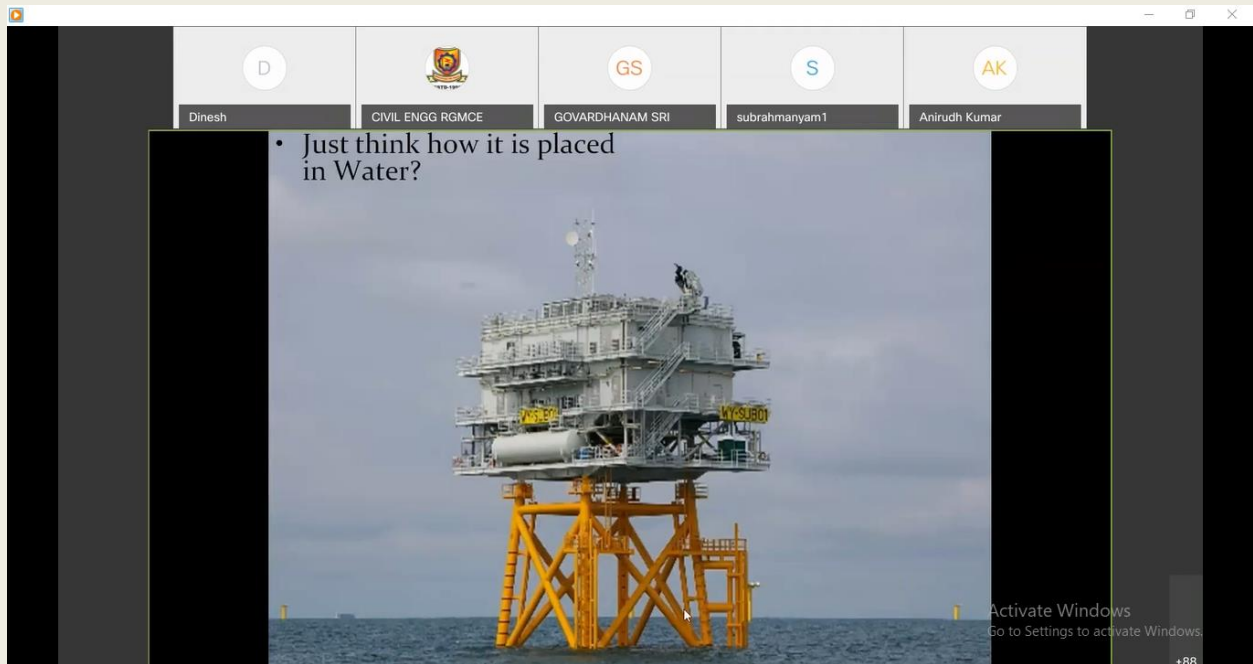
15%

Performance Criteria

- Minor or no Damage – $DCR \leq 1$
- Acceptable level of damage – $DCR > 1 < 2$
- Severe Damage – $DCR > 2$

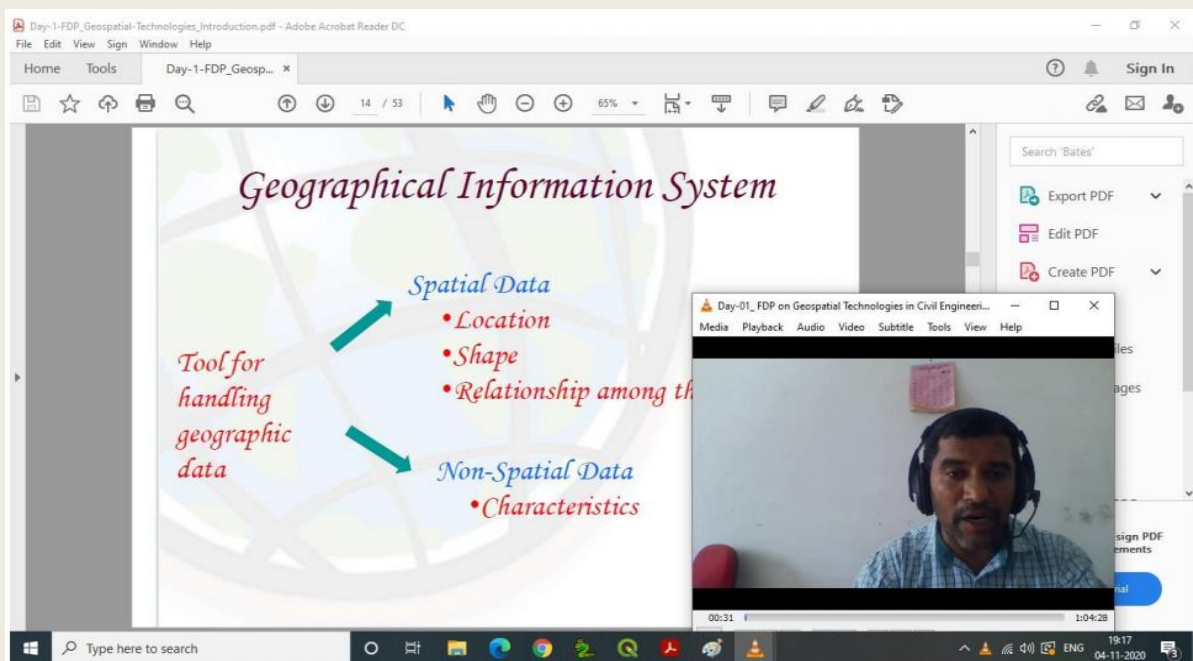
Figure 9: Tensile Stress time history and DCR vs. inelastic duration

Demand Capacity Ratio For Seismic Performance Evaluation Of Concrete Gravity Dams - Mr K Jagan Mohan



Role Of Structural Engineer In The Offshore Industry -Mr. Dinesh Adepu

2. One week FDP on 'Geospatial technologies in Civil Engineering' has been organized by Department of Civil Engg from 29/06/2020 to 03/07/2020 through WEBEX app. Dr. M Sunandana Reddy, Associate Professor, Dept of CE, RGM CET is the resource person for this FDP.



3. Dr. M S Latha, Professor, Sri Venkateswara College of Engineering, Bangalore delivered a key note lecture on 'Model analysis of optimum madake in reinforced structures' on 10/09/2020.

National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20) on 10th September
2020 Rajeev Gandhi Memorial College of Engineering and Technology, Department of Civil Engineering

**SRI VENKATESHWARA COLLEGE OF
ENGINEERING**
DEPARTMENT OF CIVIL ENGINEERING, BANGALORE

 **SVCE BENGALURU** 
Accredited by NBA **GOLD**
SRI VENKATESHWARA COLLEGE OF ENGINEERING
Affiliated to VTU, Approved by AICTE, Recognized by UGC s/n 201 & 12(B)
INSTITUTION'S INNOVATION COUNCIL

**MODEL ANALYSIS OF OPTIMUM
MADAKE IN REINFORCED STRUCTURES**

Dr. LATHA M S
IISc Ph D, Professor
PG Coordinator
R & D Coordinator
NBA Coordinator
NAAC Coordinator
Civil Engg.

(RTCE-2020)-20200910 0417-1

4. A key note lecture on 'Sediment mining and its effect on hydraulic structures' was delivered by Dr Bimlesh Kumar, Professor, IIT Guwahati on 10/09/2020.

*Sediment Mining Impacts on River
Morphology and Associated Hydraulic
Structures*



Dr. Bimlesh Kumar
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
GUWAHATI – 781039, ASSAM, INDIA

RECENT TRENDS IN CIVIL ENGINEERING (RTCE-2020)-20200910 0417-1

1

5. 1st National Virtual Conference on Recent Trends in Civil Engineering (RTCE 2020) was conducted on 10/09/2020 in WebEx. Mr. G N Sreekanth acted as Technical chair for the conference. Ms. B. Rohini and Mr. M Zuber Patel acted as Program chair. A total of 28 papers have been presented.

<p>DATES TO REMEMBER</p> <p>First call for Paper: 04-07-2020 Second call for Paper: 30-07-2020 Submission of Paper: 03-09-2020 Notification of Acceptance: 05-09-2020 Last Date for Registration: 08-09-2020 Conference Date: 10-09-2020</p>	<p>CONFERENCE TOPICS</p> <ul style="list-style-type: none"> ❖ Concrete, Cement and Soil-Smart Learning ❖ Corrosion and Material Protection Technologies ❖ Geo-Environmental Engineering ❖ Green Building / Infrastructure ❖ Green Energy / Renewable Energy ❖ Smart Construction Management ❖ Environmental Engineering ❖ Remote Sensing and GIS ❖ Transportation Engineering ❖ Water Resources Engineering ❖ Waste Materials in Concrete ❖ Eco Friendly Concrete ❖ Nano Materials ❖ Any other Civil Engineering related Topics 	<p> NATIONAL VIRTUAL CONFERENCE ON Recent Trends in Civil Engineering (RTCE-2020) 10th September-2020</p> <p></p>	
<p>TARGET AUDIENCE</p> <p>Research, Faculty members from Engineering B.E/ M.E/ B.Arch/ M.Arch M.Sc (Remote sensing) and Practicing Civil Engineers.</p>	<p>PUBLICATIONS</p> <p> (An Initiative by Dr. Prof. Dr. Anandaprasad Sathuramany) Most Trusted Most Subscribed to Most Referred to</p> <p>Selected papers will be recommended to Scopus Journal i.e., Journal of Civil, Structural, Environmental, Water resources and Infrastructure Engineering Research (JCSEWIER)</p>	<p>ORGANIZED BY</p> <p>DEPARTMENT OF CIVIL ENGINEERING RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)</p> <p>Approved by AICTE-New Delhi, Affiliated to JNTUA Anantapuramu, Accredited by NBA Tier-I Accredited by NAAC of UGC with 'A+' grade, New Delhi, World Bank Funded Institute NH-40 (old NH-18) at Nandyal, Kurnool (Dist), Andhra Pradesh-518 501</p>	
<p>No Registration Fees</p>			

6. Department of Civil Engg conducted a short term training program on ' Planning , Analysis and Design of G+2 residential building' from 10/08./2020 to 18/08/2020 thorough ZOOM platform. Mr. S Talha Zaid, Structural Design Engineer, Pravas Infra Consultants, Hyderabad has been the expert for this training program.

<p> Rajeev Gandhi Memorial College of Engineering & Technology (AUTONOMOUS) NANDYAL-518501, Kurnool Dist., A.P. Approved By AICTE- New Delhi, Affiliated to JNTUA, Accredited by NBA (Tier-I) and NAAC 'A+' Grade Centre for Potential Excellence</p> <p>DEPARTMENT OF CIVIL ENGINEERING Short term Training Programme on PLANNING, ANALYSIS & DESIGN OF G+2 RESIDENTIAL BUILDING (AUTO CAD & STAAD PRO COMBO) In Collaboration with : PRAVAS Infra Consultants Pvt. Ltd., Hyderabad Resource Person: SYED TALHA ZAID Sr. Structural Design Engineer</p>	<p>Topics Covered:</p> <ol style="list-style-type: none"> 1. Location of Sump, Borewell, Septic Tank, Floor Area Planning 2. Building Height, Room Sizes, Setbacks and more as per Municipal Guidelines 3. Architectural Drawing Preparation using AutoCAD (ON SCREEN Live Modelling) 4. Thumb Rules on Member Sizes Finalisation 5. Position of Columns and Formulation of Framing System 6. STAAD Pro Based Complete Analysis & Design 7. Reinforcement Patterns for different structural elements (Staircase & Slabs Included) 	<p>Programme Convenor : Dr. G. Sreenivasulu</p> <p>Faculty Coordinator : Mr. T. Raghavendra Contact : 8303309485</p> <p>Enrollment Fee : Rs 350/- per person</p> <p>Account Details Name of the Account Holder : HOD OF CIVIL ENGINEERING DEPT. Account Number : 31969198252 Name of the Bank : State Bank of India Branch: RGM CET, Nandyal. IFSC Code : SBIN0010577</p> <p>Registration Link : https://docs.google.com/forms/d/e/1FAIpQLSf2ZWPLACBkvAqEXdV10vQnNwo8Z_C0vdp8x_6_usA3bKrA/viewform?usp=sf_link</p> <p>Whatsapp Link : https://chat.whatsapp.com/EH0554yNkaH8h5M0YwmuQZ</p> <p>Requirements: Zoom app.</p> <p>Dates & Time August 10th to August 18th At : 7:30 am to 9:00 am Everyday E- Certificates will be issued</p>
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7. One day workshop on ‘Modelling real-time field scenarios of civil engineering using Bentley software (WaterGEMS ,SewerGEMS and STAAD-Pro) has been organised by department of civil engineering on 03/10/2020 through WebEx. The session was headed by Mr. Vasu Vadlamani, Co-founder of PRO-ECON. A total of 174 students attended .

The screenshot shows a WebEx meeting interface. At the top, there are three participant windows. The first window shows 'Vasu' with a video feed. The second window shows 'Dr Prasanna Kumar' with a video feed. The third window shows '17091A01A2 -MP VI' with a video feed. To the right of these windows are two circular icons: '1R' and 'A1'. Below these icons are two more windows: '17091A01A2 -MP VI' and 'akhil 18-102'. To the right of these windows is a window showing the 'CIVIL ENGG RGMCE' logo. The main content area is a large white rectangle with a yellow border. It contains the following text: 'MODELING REAL TIME FIELD SCENARIOS OF CIVIL ENGINEERING (WaterGEMS, SewerGEMS and STAADPRO) For RGM CET'. Below this text is the text 'By, Mr.Vasu and ProEcon Team'. At the bottom of the main content area are two logos: 'ProECON' on the left and 'Bentley Institute' on the right.

FACULTY ACHEIVEMENTS

1. **Mr. Patan AzmatullahKhan** attended three day online staff development program on “Skill Enhancement in Civil Engineering Laboratories” organized by department of civil engineering from 8th to 10th July 2020 at BMS Institute of Technology and Managment.
2. **Mr. Eshwarayya B L** attended three day online staff development program on “Skill Enhancement in Civil Engineering Laboratories” organized by department of civil engineering from 8th to 10th July 2020 at BMS Institute of Technology and Managment
3. **B.Rohini** attended *one day Webinar* on “Artificial intelligence and Digital Twins +BIM +Computer vision” Organized by ASCE – ISWR on 28th July 2020.

4. **B.Rohini** attended *one day* on Webinar “Gender Concerns in Times of Pandemic Safe guarding our well – being” Organized by Women protection cell & IQAC on 27th July 2020 at ST.Mary’s centenary degree college .
5. **B.Rohini** attended *one day International webinar by Mr. Jagan Mohan* on “ Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal.
6. **B.Rohini** attended “Motivative Talk by Sarath CEO, food King” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal.
7. **Amaram Mounika** attended “ Quizard Series – Construction Materials” Organized by department of Civil Engineering on 27th July 2020 at Eswarai Engineering College
8. **Amaram Mounika** attended *one day International webinar by Dr . Menzer Pehlivan* on “Turning disaster in to knowledge lessons learned from recent earth quakes” Organized by department of Civil Engineering on 16th July 2020 at RGM CET Nandyal.
9. **Amaram Mounika** attended *one day webinar on “Concret Construction Work”* Organized by Andhra Pradesh State Skill Development Corporation .
10. **Amaram Mounika** attended *one day International webinar by Mr. K Jagan Mohan* “Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal.
11. **Amaram Mounik** attended *one week online faculty development programme on Geospatial Technologies In Civil Engineering* Organized by department of Civil Engineering on 29th June to 3rd July 2020 at RGM CET Nandyal.
12. **Mahammad Zubeer Patel** attended *one week online faculty development programme on Geospatial Technologies In Civil Engineering* Organized by department of Civil Engineering on 29th June to 3rd July 2020 at RGM CET Nandyal
13. **Mahammad Zubeer Patel** attended *one day International webinar by Mr. K Jagan Mohan* “ “Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal.
14. **Mahammad Zubeer Patel** attended *one day International webinar by Dr. Chaitanya Krishna* “Feasible retralifting solution to the soft –storey problem in reinforced concrete

- buildings ” Organized by department of Civil Engineering on 15th July 2020 at RGM CET Nandyal
- 15. Mahammad Zuber Patel** attended *one day International webinar by Mr. K Jagan Mohan* “ “Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal.
 - 16. Amaram Mounika** attended *one day International webinar by Dr. Chaitanya Krishna* “Feasible retralifting solution to the soft –storey problem in reinforced concrete buildings ” Organized by department of Civil Engineering on 15th July 2020 at RGM CET Nandyal
 - 17. Amaram Mounika** attended *one day International webinar by Dr. Menzer Pehlivan* “Turning disasters into knowledge lessons learned from recent earth quakes” Organized by department of Civil Engineering on 16th July 2020 at RGM CET Nandyal
 - 18. Mahammad Zuber Patel** attended *one day International webinar by Dr. Menzer Pehlivan* “Turning disasters into knowledge lessons learned from recent earth quakes” Organized by department of Civil Engineering on 16th July 2020 at RGM CET Nandyal
 - 19. T Raghavendra** attended *one day International webinar by Mr. K Jagan Mohan* “ “Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17th July 2020 at RGM CET Nandyal
 - 20. T Raghavendra** attended *one day webinar on “Concrete Admixtures – Practical Approach”* Organized by department of Civil Engineering on 2nd July 2020 at KPR Institute of engineering and technology.
 - 21. T Raghavendra** attended *one day webinar on “Concret Construction Work”* Organized by Andhra Pradesh State Skill Development Corporation
 - 22. T Raghavendra** attended *one day International webinar by Dr. Menzer Pehlivan* “Turning disasters into knowledge lessons learned from recent earth quakes” Organized by department of Civil Engineering on 16th July 2020 at RGM CET Nandyal
 - 23. T Raghavendra** attended *one day webinar on “Eigenvalue problems in civil engineering”* Organized by department of Civil Engineering on 17th July 2020 at KPR engineering and technology

24. T Raghavendra attended on Faculty development program on “**Caia V5 Chassis Design**”Organized by APPSDC
25. T Raghavendra attended on 6 days Faculty development program on “**Application of mathematics in engineering**”Organized by Department of Mathematics on 20thjuly to 25thjuly 2020 held at KPRIET
26. T Raghavendra attended on line course on Remote sensing & GIS Technology and Application for University Teachers & Government Officials organized by Indian Institute of Remote Sensing , ISRO Deharadun, on 13thjune 2020 to 1stjuly 2020
27. T Raghavendra participated short term training program on **Real - Time Design of seismic –commercial buildings as per IS code using stadpro**Organized by department of Civil Engineering on 22ndjune 2020 to 2ndjuly 2020 at RGM CET Nandyal
28. T Raghavendra attended *one week online faculty development programme on Geospatial Technologies In Civil Engineering* Organized by department of Civil Engineering on 29thjune to 3rdjuly 2020 at RGM CET Nandyal
29. **Chamarthy Krishnama Raju**attended *one day International webinar by Dr. Vesile Akansel*“Seismic risk and condition assessment for different type of engineering structures ” Organized by department of Civil Engineering on 14thjuly 2020 at RGM CET Nandyal.
30. Puturu Manoj Kumar attended *one day International webinar by Dr. Chaitanya Krishna*“Feasible retralifting solution to the soft –storey problem in reinforced concrete buildings ” Organized by department of Civil Engineering on 15thjuly 2020 at RGM CET Nandyal
31. Puturu Manoj Kumar attended *one day International webinar by Dr. Vesile Aka Akansel*“Seismic risk and condition assessment for different type of engineering structures ” Organized by department of Civil Engineering on 14thjuly 2020 at RGM CET Nandyal.
32. Puturu Manoj Kumar attended *one day International webinar by Mr. Jagan Mohan* on “Demand - Capacity ratio for Seismic Performance evaluation of Concrete gravity dams” Organized by department of Civil Engineering on 17thjuly 2020 at RGM CET Nandyal
33. **Mr. C. Krishnama Raju** has participated in *Online Workshop* on “Form Work at a Glance” on 17th August 2020 organized by *Sharp Ply*.

- 34. Mr. C. Krishnama Raju** has participated in Five day Faculty Development Program on “Recent Developments in Civil Engineering: Research and practical Applications” Organized by *G. Pulla Reddy College of Engineering & Technology* from 11-15 Aug 2020.
- 35. Mr. G. N. Sreekanth** has participated & completed successfully a one week AICTE Short term Training Programme on “Earthquake Analysis of Tall Buildings” Organized by *SRIT Anantapuram* from 06/8/2020 to 12/8/2020.
- 36. Mr.C.Rajaram** Attended as a Resource person for AICTE Sponsored one week Short term Training Programme on “Earthquake Analysis of Tall Buildings” Organized by *SRIT Anantapuram* from 06/8/2020 to 12/8/2020.
- 37. Mr. G. N. Sreekanth** has participated in Five day Faculty Development Program on “Recent Developments in Civil Engineering: Research and practical Applications” Organized by *G. Pulla Reddy College of Engineering & Technology* from 11-15 Aug 2020.
- 38. Mr. G. N. Sreekanth** has participated in webinar on “self compacting concrete” Organised by *Sai vidya institute of Technology*, Bengaluru on 14th August 2020.
- 39. Dr.B.Nagakiran** has participated in National webinar on “Proactive Analysis to Improve Road safety on Indian Roads” Organized by CVR College of Engineering on 23/8/2020.
- 40. Mr. P. Manoj kumar** has Participated in the International Webinar series on “Demand capacity Ratio for seismic performance evaluation of concrete Gravity Dams” organized by RGM CET on 17th July 2020.
- 64 Mr. P. Manoj kumar** has Participated in the International Webinar series on “Seismic risk and condition assessment for different type of engineering structures” organized by RGM CET on 14th July 2020.
- 65 Mr. P. Manoj kumar** has Participated in the International Webinar series “ A feasible retrofitting solution to the soft storey problem in reinforced concrete buildings” organized by RGM CET on 15th July 2020.
- 66 Dr. M. Sunandana Reddy** has participated & completed successfully a one week AICTE Short term Training Programme on “Earthquake Analysis of Tall Buildings” Organized by *SRIT Anantapuram* from 06/8/2020 to 12/8/2020

- 67 Dr. M. Sunandana Reddy** has participated in one week faculty Development program on “Advances in Water resources management and sustainable Environment” organized by Ramaiah Institute of Technology from 17th to 21st August 2020.
- 68 Dr. M. Sunandana Reddy** has participated in webinar on “self compacting concrete” Organised by *Sai vidya institute of Technology*, Bangalore on 14th August 2020.
- 69 Dr. M. Sunandana Reddy** has Actively participated in the webinar on “GIS for civil Engineering Applications” Organized NMAM Institute of Technology, NITTE.
- 70 Ms. A. Mounika** has participated in 3day online faculty development program on “sustainable Engineering” organized by sreevidyanikethan Engineering College from 27-29 august 2020.
- 71 Ms.B.Rohini** has participated in the webinar titled “Energy Geostructures and sustainable Geotechnical Engineering Practice” Organized by vidyavardhaka College of Engineering on 5/8/2020.
- 72 Ms.B.Rohini** has participated in the webinar titled “ Recycling Techniques for Sustainable Pavements” Organized by vidyavardhaka College of Engineering on 4/8/2020.
- 73 Dr.G.Sreenivasulu** has participated in 3-Day online international workshop on “Development of Assessment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
- 74 Mr.Patan Azmatullah Khan** has in webinar on “Innovations and Advancements in Transportation Engineering” Organized by GCE, Keonjhar and ICT Mumbai on 10th September,2020.
- 75 Mr. Y. T. Thilak Kumar** Participated in FDP on “Construction Technology” Organized by ATAL Academy from 7/9/2020 to 11/9/2020 at RGUKT.
- 76 Mr. P. Manoj Kumar** Participated in FDP on “3D Printing and Design” by ATAL Academy from 7/9/2020 to 11/9/2020 at KSRIET.
- 77 Mr. P. Pramadhanatha Reddy** has participated in international Webinar on “Smart and Sustainable Cities in India, (Issues and Challenges)” organized by JSSATE on 19/09/2020.
- 78 Mr.Patan Azmatullah Khan** has participated in webinar on “Liquefaction and its ill effects during the earth quake” Organized by New Horizon College of Engineering on 24th September 2020.

- 79 Mr. P. Lavakumar Reddy** has participated in online FDP on “Smart cities” Organized by ATAL Academy from 21/9/2020 to 25/9/2020 at SR Engineering College.
- 80 Mr.P. Pramadhanatha Reddy** has participated in online FDP on “Smart cities” Organized by ATAL Academy from 21/9/2020 to 25/9/2020 at SR Engineering College.
- 81 Ms. Snehal Raymane** has participated in online FDP on “ GIS and Remote sensing” Organized by ATAL Academy from 21/9/2020 to 25/9/2020 at Engineering College Bikaner.
- 82 Mr. Mahammad Zuber Patel ,Mr. Sivaraj Kumar ,Ms. Sravani** has participated in 5Day FDP Program on “Emerging Trends in Civil Engineering” Organized by Atria Institute of Technology from 23/9/2020 to 28/10/2020.
- 83 Dr . G. Sreenivasulu** has participated in 5 Day Web session on “water, waste, Metamorphosis to the future and urbanization & man animal conflict” Organized by CII-IGBC Karnataka from 21/9/2020 to 25/9/2020.
- 84 Ms. A. Mounika** has participated in online FDP on “ GIS and Remote sensing” Organized by ATAL Academy from 21/9/2020 to 25/9/2020 at Engineering College Bikaner.
- 85 Ms. B. Rohini** Participated in FDP on “Construction Technology” Organized by ATAL Academy from 7/9/2020 to 11/9/2020 at RGUKT.
- 86 Ms.B.Rohini** has participated in online FDP on “Smart cities” Organized by ATAL Academy from 21/9/2020 to 25/9/2020 at SR Engineering College.
- 87 Ms.B.Rohini** has participated in the webinar on “Drone Surveying and Mapping via GIS Software on 12/9/2020.
- 88 Ms. A Mounika** Participated in FDP on “Construction Technology” Organized by ATAL Academy from 7/9/2020 to 11/9/2020 at RGUKT.
- 89 Dr. B.Nagakiran** Participated in “Pavement design construction &rehabilitation” Organized by Vignana Bharathi Institute of technology from 25.06.2020to 27.06.202.
- 90 Dr. B.Nagakiran** Participated in “Remote sensing & GIS Technology & Applications for university teachers &government officials” Organized by Indian Institute Of Remote sensing (IIIRS) from 13.06.2020to 01.07.202
- 91 Mr. ShivaRajKumar** Participated in “National level Boot camp of career building with python ” Organized by IT SolutionTfrom 1.06 .2020 to 7.06.2020

- 92 Mr. ShivaRajKumar** Participated in “Webinar onSynopsis Modelling in Etabs & Staad pro” Organized by Hindustan college of engg&technologyfrom 27.06 .2020
- 93 BL Eshwarayya** attended *one day International webinar by Mr. Dinesh Adepu* on “ Role of structural engineers in offshore industry” Organized by department of Civil Engineering on 18th july 2020 at RGM CET Nandyal
- 94 Mr. Lava Kumar Reddy** Participated in “webinar on creativity & design thinking in engineering” Organized by KLE Dr.M.s.sheshgiri college of engg & technologyfrom from13/6/.2020
- 95 Mr. BL Eswharayya** Participated in “FDP On Skill enchacement in civil engg” Organized by BMS Institutetechnologyfrom 08.07 .2020
- 96 Mr. BL Eswharayya** Participated in “FDP on Sustainable concepts in civil engg & architecyure ” Organized by Ramaiah Institute sponsored by AICTE from 21/7/2020 to 25/7/2020
- 97 Mr. Lava Kumar Reddy** Participated in “FDP on smartcities” Organized by ATALfrom from21/9/.2020to25/9/2020

PUBLICATIONS

Journal Articles

International Journals

1. **Patan Azmatullah Khan**, 2020, “An Article on Indian Accidents”, ‘International Journal of Advances in Engineering and Management (IJAEM)’, Volume 2, Issue 1, pp: 439-444, ISSN: 2395-5252. Published: 02, July, 2020.
2. Venkatesh Noolu, B.Murali Krishna, Yeswanth Paluri, **Sudhakar Mogili**, 2020, “Performance evaluation of recycled granular material as sustainable sub-base material”, ‘Materials Today: Proceedings’, pp: 1-7, Published: July 2020. [<https://doi.org/10.1016/j.matpr.2020.07.389>] (Scopus)
3. Yeswanth Paluri, **Sudhakar Mogili**, Heeralal Mudavath, Venkatesh Noolu, 2020, “Effect of fibres on the strength and toughness characteristics of recycled aggregate concrete”, ‘Materials

Today: Proceedings', pp: 1-4, Published: July 2020.
[<https://doi.org/10.1016/j.matpr.2020.07.389>]. (Scopus)

4. **Sunandana Reddy.M**, 2020, "Spatial Distribution of Covid-19 data in India by Using Geospatial Technologies", 'Journal of Remote sensing, Environmental Science & Geotechnical Engineering', Mantech Publications, Volume 5, Issue 2, Published: August 2020, Page 13-23.
5. Surender Dhoopati, **Rajaram Chenna**, 2020, "Seismic performance assessment of a G+4 school building in Gujarat, Ahmadabad", 'Asian Journal of Civil Engineering', Published: 03, October, 2020. [DOI: <https://doi.org/10.1007/s42107-020-00307-2>]. (Scopus)

International Conferences

1. **Sunandana Reddy Machireddy**, 2020, "GIS based Land Information System: An Emerging Technique of Civil Engineering", 'One day International webinar on Recent Advances in Geo Spatial Technology and its Role in Rural Development', Published: 20th September 2020.
2. **Chenna Rajaram**, P.Neelima, Ramancharla Pradeep Kumar, 2020, "Estimation Of Seismic Hazard For Kathmandu, Nepal And Adjacent Regions", '17th World Conference on Earthquake Engineering', pp : 1-12, Published: 13th – 18th September 2020.
3. **Y.T.Thilak Kumar**, D.Arptha, V.J.Sudarshan, C.Rajasekharan, Nagesh Puttaswamy, 2020, "Constructive Scope on Implementation of Copper Slag as Replacement for Natural Fine Aggregate – An Overview", 'Trends in Civil Engineering and Challenges for Sustainability Select Proceedings of CTCS 2019', pp:263-272, Published: September 2020 (**Book Chapter**).
4. V.J.Sudarshan, D.Arptha, **Y.T.Thilak Kumar**, C.Rajasekharan, Nagesh Puttaswamy, 2020, "Assesment on Performance of Steel Slag and Processed Granulated Blast Furnance Slag as an Alternative for Fine Aggregate – An Assertive Review", 'Trends in Civil Engineering and Challenges for Sustainability Select Proceedings of CTCS 2019', pp:273-282, Published: September 2020 (**Book Chapter**).
5. **Y.T.Thilak Kumar**, D.Arptha, V.J.Sudarshan, C.Rajasekharan, Nagesh Puttaswamy, 2020, "Study on Compatability Issues and flow Behavior of Copper Slag Based Mortars", 'Advances in Civil Engineering Select Proceedings of ARICE 2019', pp:751-758, Published: September 2020 (**Book Chapter**).
6. D.Arptha, V.J.Sudarshan, **Y.T.Thilak Kumar**, C.Rajasekharan, 2020, "Influence of Superplasticizers on Blended Cement and Their Effect on Flow Characteristics by Incorporating

PGBS as Partial Replacement for Fine Aggregates”, ‘Advances in Civil Engineering Select Proceedings of ARICE 2019’, pp:471-480, Published: September 2020 (**Book Chapter**).

7. V.J.Sudarshan, D.Arputha, **Y.T.Thilak Kumar**, C.Rajasekharan, Nagesh Puttaswamy, 2020, “Investigations on Flow Characteristics of Mortars Using Partial Replacement of Fine Aggregates with Processed Granulated Blast Furnace Slag”, ‘Advances in Civil Engineering Select Proceedings of ARICE 2019’, pp:273-282, Published: September 2020 (**Book Chapter**).
8. Shaik Shaista Farheen, **B.Rohini**, 2020, “Seismic Response of Multi Storey Building with different plan configuration using X Bracing”, ‘International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS 2020)’, pp: 49, ISBN: 978-81-942685-2-9, Published: 22nd - 23rd December 2020.

National Conferences

1. **G.N.Sreekanth**, 2020, “Concrete to Concrete bond strength and influence of the roughness of the substrate surface”, ‘A National Level two day E-Conference on Recent Advances in Technology and Engineering’, pp: 964-969, ISBN-13: 978-93-80831-42-8, Published: 20th – 21st August 2020.
2. Bungali Uday Lokesh, **G.N.Sreekanth**, 2020, “Experimental Investigation on the Effect of Inclined CFRP Straps on the Strength of the Beam”, ‘National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)’, pp: 10-14, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
3. **Eshwarayya B L, Mahammad Zuber Patel**, 2020, “Study on Strength of Geo Polymer Concrete using Recycled Concrete Aggregates”, ‘National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)’, pp: 18-23, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
4. **Chamarthy Krishnama Raju**, G. Asif Hussain, J. S. Ibrahim, T. Manoj Prabhakar, P. Hareesh, V. Haritha, 2020, “Properties of M60 High Performance Self Compacting Concrete by using Blends of Different Sizes of Coarse Aggregate”, ‘National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)’, pp: 30-34, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
5. R.Karthik Kumar Yadav, E.Charan Deep Chand Goud, **Lava Kumar Reddy Palle**, 2020, “A Contemporary Review of Literature on Production of Bricks from Industrial Wastes”, ‘National

Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 35-39, ISBN: 978-81-942685-2-9, Published: 10th September 2020.

6. **Snehal Raymane, Vishal Sudhakar Phulari**, 2020, "Evaluation of Rotation Capacity of End plate Connection", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 40-47, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
7. S. Vineetha, **Chenna Rajaram**, 2020, "Determination of kappa values for Himalaya region", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 48-49, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
8. Konkula Rama Neeraja, **Chenna Rajaram**, 2020, "Generation of Fragility Curves for G+3 Building", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 50-52, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
9. Mohammad Izazs.K, **J Joel Shelton**, 2020, "Axial Compression Behaviour Analysis of Insulated Concrete Form (ICF) Wall panels with Fibre Cement Board", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 53-56, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
10. Yellavathula Venkata Naresh, **J Joel Shelton**, 2020, "Experimental and Analysis of Geogrid confined RC beams with glass fiber reinforced concrete", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 57-61, ISBN: 978-81-942685-2-9, Published: 10th September 2020.frhfhb
11. **T. Raghavendra**, V. Purendra Reddy, 2020, "Mechanical Properties of Concrete with Partial Replacement of Fine Aggregates with Granite Powder and Coarse Aggregates with Crushed Tiles", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 62-64, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
12. **A. Mounika, S. Ameer Humza Muhammed**, 2020, "Experimental Study on Partial Replacement of Cement and Fine Aggregate with Rice Husk Ash and Waste Foundry Sand in Concrete", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 65-71, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
13. M.Kalyan Reddy, **J.Sravani**, 2020, "Design of Storage Building with Pre-Engineered Building Concept Using IS Code", 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 72-76, ISBN: 978-81-942685-2-9, Published: 10th September 2020.

14. Ranga Karthik, **Chenna Rajaram**, 2020, “Comparative Study on Pushover Analysis of Regular Building with Irregular Buildings”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 77-80, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
15. G.Raghunath Reddy, **B.Nagakiran**, 2020, “Bridge Safety Monitoring System Using IOT”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 85-87, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
16. **Shivarajkumar, J.Sravani, P.Pramadhanatha Reddy**, 2020, “Strengthening of Expansive Soil by MSBE with Jute Fibre”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 88-93, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
17. **Gopu Sreenivasulu**, Praveen Kumar M, Uday Raj B, 2020, “Effect of Human Health Due to Consumption of Reverse Osmosis (Ro) Water”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 94-98, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
18. N Guru Dhana Shekar Reddy, **B.Rohini**, 2020, “Development Of Low Cost Filter Using Herbal Materials”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 104-108, ISBN: 978-81-942685-2-9, Published: 10th September 2020.
19. **Sunandana Reddy Machireddy**, 2020, “Model Builder and ArcHydro Tools of Geospatial Technology in the Extraction of Drainage Network and Watershed Delineation from DEM”, 'National Virtual Conference on Recent Trends in Civil Engineering - 2020 (RTCE'20)', pp: 114-117, ISBN: 978-81-942685-2-9, Published: 10th September 2020.

STUDENT ACHIEVEMENTS

1. Workshops Attended by students

1. **Mr.Surendra** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.

2. **Ms.Vasavipranathi** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
3. **Ms.M.Jyothsna** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
4. **Mr. M. Ramesh** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
5. **Mr. C. M. Siva** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
6. **Mr. Kumar Reddy** has participated in 3-Day online international workshop on “ Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering college* from 3rd to 5th September 2020.
7. **Mr. K. Sreekanth Reddy** has participated in 3-Day online international workshop on “Development of Assesment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering College* from 3rd to 5th September 2020.
8. **Mr. P. Anil Kumar** has participated in 3-Day online international workshop on “Development of Assessment Methodologies and Smart information system for water resources” Organized by *St.Martins Engineering College* from 3rd to 5th September 2020.

2. The placement details regarding the first semester is as follows :

- Two students got selected in CTS Chennai with salary package of 4.00LPA and the drive is conducted on 18 & 19/10/2020 at college campus.



B. Viswanatha Reddy
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K. Harathi
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- One student got selected in TCS Hyderabad with salary package of 3.37 LPA . The drive is conducted on 24,25,26/10/2020.



P. Hemanth Chowdary
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