

## Departmental Newsletter Jan-June, 2022

### Department of CE, PVPSIT

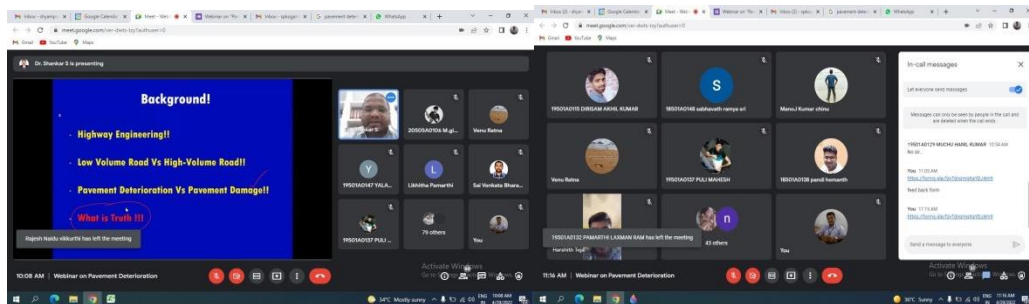
#### 1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

##### The department of Civil Engineering organized ---

- i. A five days training on “Land Survey by using Total Station” to IV Year B.Tech students during 14<sup>th</sup> to 18<sup>th</sup> February 2022. Resource person: Ladder Survey Pvt. Ltd., Chennai. Coordinator: Dr.K.Shyam Prakash



- ii. A webinar on "Entrepreneurship Awareness" for faculty and students of PVPSIT on 31st March 2022. Resource person: Dr.Mr.Sanjeev Vadloori, OIC Joint Director, STPI, Vijayawada, Coordinator: Mr.P.S.V.Bharath
- iii. A guest lecture on “Development of Pavement Deterioration Models for Low Volume Roads” for students of CE on 29<sup>th</sup> April 2022. Resource person: Dr.S.Shankar, Assistant Professor, NIT Warangal. Coordinator: Dr.K.Shyam Prakash



- iv. A guest lecture on “Importance of CADD applications in Civil Engineering” for students of CE on 06<sup>th</sup> April 2022. Resource person: Mr. K. Nagu, Canter CADD. Coordinator: Dr.K.Shyam Prakash



- v. A two day workshop on “Green Built Environment” to academicians and students during 04<sup>th</sup> to 05<sup>th</sup> May 2022. Resource person: Experts from CII-IGBC Hyderabad Chapter. Coordinator: Dr.A.Adilakshmi



**Prasad V. Potluri Siddhartha Institute of Technology**  
 Kanara, Vijayawada - 520007. Approved by AICTE & Affiliated to JNTU, Kakinada  
 Autonomous, Accredited by NBA, An ISO 9001:2015 Certified Institution  
 Sponsored by: Siddhartha Academy of General And Technical Education, Vijayawada

A two day Online Workshop on  
**Green Built Environment**  
**4 & 5<sup>th</sup> May 2022**

**Keynote Speakers**

			
<b>Ms. Rekha</b> Architect, Godrej GBC	<b>Mr. Sampath Kumar</b> Senior Counsellor- IGBC	<b>Mr. Gaurav Pershed</b> Architect & Bio-climatic Designer at CII IGBC	<b>Ms. Amrutha</b> Engineer- CII

Organized by  
**IGBC-Student Chapter,**  
**Department of Civil Engineering**

Coordinator  
**Dr. A. Adilakshmi**  
 Professor, IGBC Dept coordinator,  
 Department of Civil Engineering.

Sponsor  
 Siddhartha Academy of General and Technical Education (SAGTE),  
 Mogalrajpuram, Vijayawada

Registration Link: <https://forms.gle/Kc8zgiDxVMgVNjNq9>

\* The last date for registration is 02-05-2022  
 \*E-certificate will be provided to the registered participants.

Google meet link: <https://meet.google.com/yjx-gzhh-fmm>

- vi. A webinar on "Applications of UAV / Drone remote sensing” for III and IV Year students on 13<sup>th</sup> May 2022. Resource person: Mr.Ch.Tata Babu, Scientist-C, AP Space Application Centre, Govt of AP, Coordinator: Ms.G.V.Ratna Kumari

## **2. Papers presented in Seminars/Conferences/Symposiums by the faculty:**

- i. Dr.K.Shyam Prakash, presented a paper titled "Experimental study of expansive soil stabilized with rice husk ash and quarry dust for subgrade Application" in *International conference on smart materials & structures – 2022* organized by Vasireddy Venkatadri Institute of Technology, Andhra Pradesh during 15<sup>th</sup> to 16<sup>th</sup> February, 2022
- ii. Dr.K.Shyam Prakash, presented a paper titled " A Study on institutional impact on trip generation in PVPSIT" in *International conference in sustainable construction materials – 2022* organized by K L deemed to be University, Andhra Pradesh during 18<sup>th</sup> to 19<sup>th</sup> March, 2022
- iii. Ms.G.V.R.Kumari presented a paper titled "Solid Waste Management by using remote sensing Technology & GIS Applications – A model study” in *International conference on Novel innovations and sustainable development in Civil Engineering – 2022* (ISBN: 978-81-951337-6-5) organized by VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai during 31<sup>st</sup> March to 1<sup>st</sup> April, 2022
- iv. Ms.G.V.R.Kumari presented a paper titled "Krishna River Water Analysis Using Geospatial Technology” in *International conference on Novel innovations and sustainable development in Civil Engineering – 2022* (ISBN: 978-81-951337-6-5) organized by VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai during 31<sup>st</sup> March to 1<sup>st</sup> April, 2022
- v. Ms.K.Divya, presented a paper titled "Experimental study on physio-mechanical characteristics of self-curing rapid hardened concrete" in *International conference in sustainable construction materials – 2022* organized by K L deemed to be University, Andhra Pradesh during 18<sup>th</sup> to 19<sup>th</sup> March, 2022

## **3. Workshops/Seminars/Faculty Development Programmes attended by the faculty:**

### **a) Seminars/Webinars:**

- i. Ms.G.V.R.Kumari participated in webinar on "Self healing Concrete: Promising new Development in concrete technology” organized by Ultra Tech Ltd on 08<sup>th</sup> January 2022
- ii. Ms.G.V.R.Kumari participated in webinar on "Performance evaluation of concrete road” organized by Ultra Tech Ltd on 15<sup>th</sup> January 2022
- iii. Ms.G.V.R.Kumari participated in webinar on "Structural audit, repair, Rehabilitation, & Retrofitting of buildings: Process & Methodologies” organized by Ultra Tech Ltd on 29<sup>th</sup> January 2022
- iv. Ms.G.V.R.Kumari participated in webinar on "Indian infrastructural projects and their growth” organized by The Engineer’s Hub, Chennai during 07<sup>th</sup> to 08<sup>th</sup> January 2022

- v. Ms.G.V.R.Kumari participated in webinar on "Bridges with external prestressing: future of bridge construction in India" organized by Ultra Tech Ltd on 26<sup>th</sup> February 2022
- vi. Dr.K.Shyam Prakash, Ms.G.V.R.Kumari, Mr.V.Preetham and Mrs.M.Anupama Ammulu participated in webinar on "Entrepreneurship Awareness" organized by PVPSIT, Vijayawada on 31<sup>st</sup> March 2022
- vii. Ms.G.V.R.Kumari participated in webinar on "Purpose of Traditional architecture in modern architecture" organized by Ultra Tech Ltd on 16<sup>th</sup> April 2022
- viii. Ms.G.V.R.Kumari participated in webinar on "Modern Admixtures for Durable and Green concrete" organized by Ultra Tech Ltd on 23<sup>rd</sup> April 2022
- ix. Ms.G.V.R.Kumari participated in webinar on "Short Panel concrete pavement" organized by Ultra Tech Ltd on 30<sup>th</sup> April 2022
- x. Ms.G.V.R.Kumari participated in webinar on "Marine Pollution: Action plan for management in Indian context" organized by SRMIST, Chennai on 22<sup>nd</sup> April 2022
- xi. Mr.V.Preetham participated in webinar on "Developments of pavement deterioration models for low volume roads" organized by PVPSIT, Vijayawada on 29<sup>th</sup> April 2022
- xii. Ms.G.V.R.Kumari participated in webinar on "Standards makes cities smarter" organized by Ultra Tech Ltd on 18<sup>th</sup> June 2022
- xiii. Ms.G.V.R.Kumari participated in webinar on "Sustainability of heritage structures, issues & challenges – case study of some important monuments of Odisha" organized by Ultra Tech Ltd on 25<sup>th</sup> June 2022

**b) Workshops:**

- i. Mr.K.V.Subash participated in workshop on "Research paper and Research proposal writing" organized by PVPSIT, Vijayawada on 26<sup>th</sup> March 2022
- ii. Ms.G.V.R.Kumari and Dr.V.Jagadish participated in workshop on "Interior Design Essentials" organized by RK's Design Hub, Bangalore during 10<sup>th</sup> to 12<sup>th</sup> March 2022
- iii. Dr.A.Adilakshmi participated in workshop on "Quality of question paper setting and evaluation techniques" organized by VRSEC, Vijayawada during 20<sup>th</sup> to 21<sup>st</sup> June 2022
- iv. Ms.G.V.R.Kumari participated in workshop on "Outcome based education & impact on HEI" organized by VRSEC, Vijayawada during 22<sup>nd</sup> to 23<sup>rd</sup> June 2022
- v. Ms.K.Divya participated in the two day workshop "Green built environment" organized by PVPSIT in association with CII-IGBC, Hyderabad during 4<sup>th</sup> to 5<sup>th</sup> May 2022.
- vi. Ms.K.Divya participated in worksop on "Computational modelling of damage and seismic vulnerability assessment during earthquakes in building systems" conducted by IIT Hyderabad during 12th to 13th May 2022.

**c) STTP/STCs:**

- i. Mrs.M.Anupama Ammulu participated in online training programme on "Performance evaluation in Laboratory courses" organized by NITTTR Chennai during 07<sup>th</sup> to 11<sup>th</sup> March 2022
- ii. Mr.P.S.V.Bharath participated in training programme on "Student Learning Assessment" organized by AICTE and CIDC during 07<sup>th</sup> to 19<sup>th</sup> February 2022

- iii. Dr.K.Shyam Prakash, Mr.V.Preetham, Mr.P.S.V.Bharath and Ms.G.V.R.Kumari participated in online training on "Quantity surveying for RCC using MS-Excel" organized by Apaha Trainers & Consultants Pvt Ltd, Maharashtra during 14<sup>th</sup> to 17<sup>th</sup> March 2022
- iv. Mr.K.V.Subash attended e-Filing training on "Filing of E-PAN, Income Tax, GST, TDS, Registration of ESIC, EPFO and DSC" conducted by The Institute of Cost Accountants of India (ICAI) during May 2022
- v. Mr.K.V.Subash attended course on "SAP Finance & Controlling (FI-CO) Power User Course" conducted by The Institute of Cost Accountants of India (ICAI) during May 2022
- vi. Mr.K.V.Subash attended course on "Microsoft Office Intermediate Program (Word/Excel/PowerPoint)" conducted by The Institute of Cost Accountants of India (ICAI) during May 2022
- vii. Mrs.K.Prasanthi participated in training programme on "ECBC 2017 & ENS" organized by APSECM and ASCI during 21<sup>st</sup> to 25<sup>th</sup> February 2022
- viii. Mr.V.Preetham completed in training programme on "Advanced total station" conducted by LSIT, Chennai at PVPSIT, Vijayawada 14<sup>th</sup> to 18<sup>th</sup> February 2022
- ix. Ms.G.V.R.Kumari participated in training on "NGP-DST 21 days summer school on Geospatial science & Technologies (Level 1)" organized by VRSEC, Vijayawada during 13<sup>th</sup> June to 3<sup>rd</sup> July 2022

**d) Faculty Development Programmes:**

- i. Mr.K.V.Subash and Ms.K.Divya participated in Professional Development Programme on "Refresher course on design of RCC & steel structures" conducted by NITTTR, Chennai during 04<sup>th</sup> to 08<sup>th</sup> April 2022
- ii. Mrs.M.Anupama Ammulu participated in Faculty Development Programme on "Inventions, Innovations and Entrepreneurship arena in current Indian IPR Framework" conducted by PVPSIT, Vijayawada on 12<sup>th</sup> May 2022
- iii. Ms.G.V.R.Kumari participated in Faculty Development Programme on "Applications of remote sensing and GIS for groundwater management studies" organized by VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai during 23<sup>rd</sup> to 28<sup>th</sup> May 2022

**e) Guest Lectures: -**

**f) Awareness programmes/Interaction meet/Quizzes, etc:**

- i. Ms.K.Divya, Dr.K.Shyam Prakash, Dr.V.Jagadish and Mr.P.S.V.Bharath participated in Awareness session on "Intellectual Property" organized by Ministry of Commerce and Industry, Government of India on 23<sup>rd</sup> February 2022

**g) Conferences:**

- i. Ms.K.Divya participated in International symposium on "Nonlocal mechanics approaches for modeling localized deformations" organized by IIT Hyderabad during 7<sup>th</sup> to 8<sup>th</sup> June 2022

#### 4. Publications by the faculty (National/International Journals/ Conferences):

##### a) Scopus indexed journals: -

##### b) SCI/SCIE/ESCI indexed journals:

- i. Mrs.M.AnupamaAmmulu, published a paper on “Comprehensive Study on Key Pollen Allergens” in *Journal of Pure and Applied Microbiology*, ISSN: 0973-7510, Article: 7172, Feb 2022, <https://doi.org/10.22207/JPAM.16.1.26>
- ii. Mrs.M.AnupamaAmmulu, published a paper on “In silico multi-epitope Bunyumwera virus vaccine to target virus nucleocapsid N protein” in *Journal of Genetic Engineering and Biotechnology*, ISSN: 1687-157X, 2022, <https://doi.org/10.1186/s43141-022-00355-y>

##### c) IEEE/Springer journals: -

##### d) UGC/other journals:

- i. Ms.G.V.R.Kumari, published a paper on “Water quality assessment of Isnapur polluted lake using Remote sensing and GIS applications” in *Journal of Positive School Pshychology*, ISSN: 2717-7564, Vol. 6, No. 3, 2022
- ii. Ms.G.V.R.Kumari, published a paper on “Assessment of Krishna River soil sediment using geospatial technology” in *Specialusis Ugdymas / Special education*, ISSN: 1392-5369, Vol. 43, No. 1, 2022

##### e) Conference Proceedings:

- i. Ms.K.Divya, published a paper on “Numerical simulations of composite materials” in IOP Conference series: Earth and environmental science, ISSN: 1755-1315, 982, 012019, 2022.
- ii. Dr.V.Jagadish published a paper on "Flood damages assessment using remote sensing and GIS: A case study of 2018 Kodagu floods" in *Lecture Notes in Civil Engineering*, ISSN: 2366-2557, vol-176, 2022
- iii. Mr.V.Preetham and Dr.V.Jagadish published a paper on "Adsorption isotherm, kinetic and thermodynamic studies of nitrates and nitrites onto fish scales" in *Lecture Notes in Civil Engineering*, ISSN: 2366-2557, vol-256, 2022

##### f) Book chapters:

- i. Dr.V.Jagadish published a paper on "Biocomposites and their applications in civil engineering – An overview" in *Springer Proceedings in Energy*, ISBN: 978-981-16-6874-6, vol-1, 2022

##### g) Books: -

**5. Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):**

**a. Patents: -**

**b. Ph.Ds awarded: -**

**c. Guest lectures delivered:**

- i. Dr.K.Shyam Prakash delivered guest lecture on “Road safety audit” organized by NRI Institute of Technology, Agiripalli on 09<sup>th</sup> May 2022.



- ii. Dr.V.Jagadish delivered talk on "Sustainable Concrete Construction- Methods and Practices" for the "AICTE-ISTE Induction Programme on Recent Advances in Civil Engineering" organized by Jyothy Institute of Technology, Bengaluru during 29<sup>th</sup> December 2021 to 4<sup>th</sup> January 2022.
- iii. Dr.V.Jagadish delivered talk on "Use of GGBS and Slag Sand in sustainable concrete Construction" for the "JSW Cement Ltd.,-Webinar Series-18" organized by Indian Concrete Institute, Bangalore Centre on 2<sup>nd</sup> February 2022
- iv. Dr.V.Jagadish delivered talk on "Thermal Comfort and Energy Studies on Residential Building Models" at 5-day training programme on “Energy Simulation on ECBC & ENS” organized by ECBC Cell of Andhra Pradesh State Energy Conservation Mission, Vijayawada at PVPSIT, Vijayawada on 22<sup>nd</sup> February 2022
- v. Dr.V.Jagadish delivered talk on “Innovation & Sustainability” conducted by Happy Valley International School, Agiripalle on 6<sup>th</sup> March 2022
- vi. Dr.V.Jagadish delivered key note lecture on "Bamboo as a Sustainable building material" at Two-day International Conference on Advances in Sustainable Construction Materials organized by Department of Civil Engineering, K L Deemed to be University, India on 18<sup>th</sup> March 2022

- vii. Dr.V.Jagadish delivered invited talk on “Energy efficient building technologies and materials: Need of the hour” at Six day faculty development program on “ Sustainable energy efficient green technology” organized by Ramaiah Institute of Tehcnology, Bangalore on 26<sup>th</sup> March 2022
- viii. Dr.V.Jagadish delivered invited talk on "Bamboo Standards in India as per Indian Conditions – Issues and Opportunities” at Taiwan-India Global Bamboo Tech Forum on International Standards of Bamboo in Construction organized by South Asia Bamboo Foundation on 22<sup>nd</sup> March 2022
- ix. Dr.V.Jagadish delivered talk on “Prototype Design and development” organised by Dept of Civil Engineering in association with IIC, New horizon college of Engineering, Bangalore on 25<sup>th</sup> May 2022
- x. Dr.V.Jagadish delivered talk on “Wood Mechanics and Timber Engineering” for the students of Department of Wood Science and Technology, Kannur University, Kerala during 12<sup>th</sup> May to 15<sup>th</sup> May 2022
- xi. Dr.V.Jagadish delivered talk on “Innovative Project ideas in Civil Engineering” as part of ICI Technical talk organized by Dept of Civil Engineering, Jyothi Institute of Technology, 26<sup>th</sup> May 2022
- xii. Dr.V.Jagadish delivered expert talk on “Bamboo as sustainable building material for earthquake prone areas” organized by CMR Institute of Technology, Bangalore on 26<sup>th</sup> May 2022
- xiii. Dr.V.Jagadish delivered session on “Innovative Projects for Civil Engineering Students” organized by Civil Engineering Department, Kantipur Engineering College, Nepal on 7<sup>th</sup> June 2022
- xiv. Dr.V.Jagadish delivered invited talk on “Bamboo as Building Material” during the Master Trainers Training Program on Construction Management and Engineering Economics organized by MVCTMTSD, Karnataka on 21<sup>st</sup> June 2022
- xv. Dr.V.Jagadish delivered talk on “Sustainability and Energy Conservation in Building Sector at "Sustainability Lecture Series” jointly conducted by International Community for Global Sustainability(ICFGS), Universiti Malaysia Pahang (UMP), and IEEE –PES(Power and Energy Society), Kerala chapter on 25<sup>th</sup> June 2022.

**d. Reviewers of journals:**

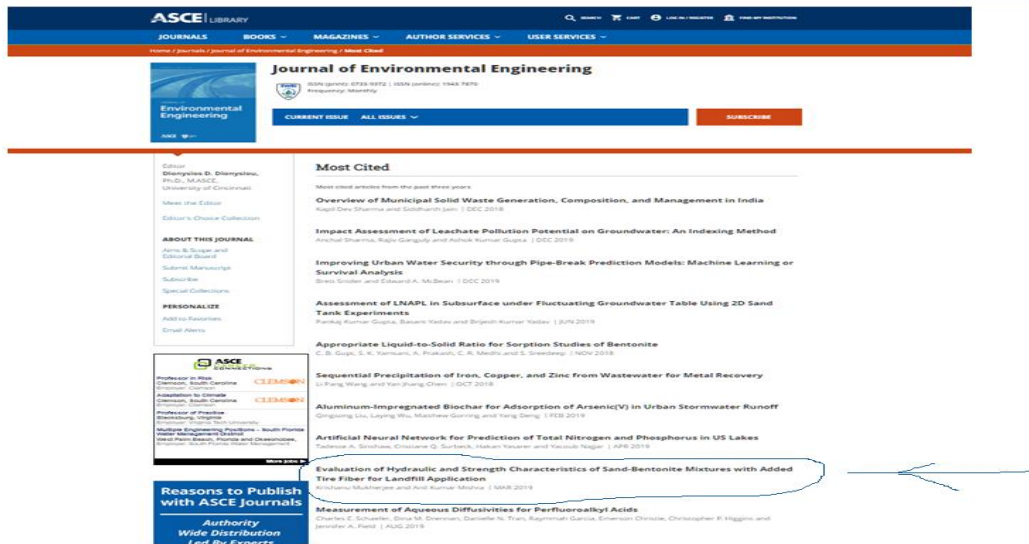
- i. Mr.K.V.Subash reviewed a revised paper in ‘Journal of the Institution of Engineers: Series A’ -Scopus Indexed submitted in March 2022
- ii. Mr.K.V.Subash reviewed 3 papers in ‘Materials today proceedings -Scopus Indexed submitted in March 2022
- iii. Dr.K.Mukherjee reviewed a paper in ‘Engineering Geology’ SCI Indexed submitted in March 2022



- iv. Dr.K.Mukherjee awarded certificate for reviewing in Cleaner Environmental Systems
- v. Mr.K.V.Subash reviewed a paper in ‘Journal of the Institution of Engineers: Series A’ -Scopus Indexed submitted in June 2022
- vi. Dr.V.Jagadish reviewed 4 papers in ‘Materials today proceedings -Scopus Indexed submitted in March 2022
- vii. Dr.V.Jagadish reviewed paper in ‘Cleaner Materials-Scopus Indexed submitted in March 2022

**6. Faculty Participation (as a Judge, Guest, or BOS member, & Chairing a session, etc.):**

- i. Dr.K.Mukherjee published paper “Evaluation of Hydraulic and Strength Characteristics of Sand-Bentonite Mixtures with Added Tire Fiber for Landfill Application” presented as most cited on the American Society of Civil Engineers (ASCE) website



- ii. Mr.K.V.Subash received gratitude letter for volunteering as a peer reviewer in 2021 of Material Today Proceedings Journal from Dr.Laura Hassink, Managing Director-Elsevier Journals.
- iii. Dr.V.Jagadish awarded IGBC Accredited Professional by CII on 19<sup>th</sup> February 2022.
- iv. Dr.M.AnupamaAmmulu granted PhD degree from Acharya Nagarjuna University during June 2022.
- v. Dr.V.Jagadish attended as External examiner for PhD review presentations for research scholars at REVA University, Bengaluru on 24<sup>th</sup> January 2022.
- vi. Dr.K.Shyam Prakash upgraded the SITARA Junction in Vijayawada as per the request of ACP, Vijayawada Police Department on 05<sup>th</sup> April 2022 and 21<sup>st</sup> April 2022



## 7. MOOCs courses completed by the faculty:

- i. Mrs.M.Anupama Ammulu completed a course titled, "Grow to greatness: Smart growth for private businesses, Part 1" authorized by University of Virginia and offered through Coursera on 14<sup>th</sup> March 2022
- ii. Dr.A.Adilakshmi completed a course titled, "The science of well being" authorized by Yale University and offered through Coursera on 4<sup>th</sup> January 2022
- iii. Ms.G.V.R.Kumari completed a project titled, "Accomplishment STAR techniques for job interviews" authorized by Coursera Project network and offered through Coursera on 30<sup>th</sup> April 2022
- iv. Ms.G.V.R.Kumari completed a project titled, "Introduction to Microsoft Excel" authorized by Coursera Project network and offered through Coursera on 30<sup>th</sup> April 2022
- v. Mrs.M.D.Prasanna completed a course titled, "Introduction to Microsoft Excel" authorized by Coursera Project network and offered through Coursera on 26<sup>th</sup> May 2022

## 8. Industrial Visits:

- i. The 2nd and 3rd B Tech Civil engineering students along with staff members Dr.K.ShyamPrakash, Mr.P.S.V.Bharath, Ms.M.D.Prasanna, Ms.K.Divya, Mr.V.Preetham and Mr. D.S.N.Babu visited LCC Pvt. Ltd., Namburu on 07th January 2022





## 9. APSSDC: -

## 10. Students' achievements:

### a) Co-curricular Activities:

- i. C.Divyasri (19501A0113) completed program on “AUTOCAD/CATIA” during Techfest conducted by IIT Bombay during 11<sup>th</sup> November to 11<sup>th</sup> January 2022
- ii. B.Praneeth, L.V.S.S.Kishore, M.S.R.Chaitanya and R.ChaitanyaKumar completed Internship on “Land survey using total station” conducted by M/s Ladder Survey Institute of Technology, Chennai during 18<sup>th</sup> to 22<sup>nd</sup> April 2022
- iii. The B. Tech Civil Engineering Department students achieved 238 certificates out of 331 participations in various certified courses like Introduction to computers, QGIS and QCad conducted by spoken tutorials in collaboration with IIT Bombay during academic year 2021-22.
- iv. The IV & III B. Tech Civil Engineering Department students started conducting Trip Generation Surveys in Vijayawada under guidance of Dr.K.Shyam Prakash, Assistant Professor, PVPSIT and Dr.K.Raghuram, Assistant Professor, NIT Warangal in association with CRRRI Delhi.



**b) Extra-curricular Activities: -**

**c) Coursera/NPTEL details of the students:**

- i.** C.Divyasri (19501A0113) completed certification courses on “C for everyone: Programming Fundamentals” through Coursera in 2022

**10. Higher Education: -**

**11. Other Information:**

- Mrs.M.D.Prasanna granted as Life Member of The Indian Society for Technical Education (LMISTE) with membership number LM-133753.
- Dr.M.AnupamaAmmulu granted as Life Member of The Indian Society for Technical Education (LMISTE) with membership number LM-135184.
- Department of Civil Engineering had MOU with Canter CADD, Vijayawada on 03<sup>rd</sup> January 2022.
- Department of Civil Engineering had MOU with LCC Ready mix plant Pvt. Ltd., Guntur on 01<sup>st</sup> January 2022.

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