

# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)

NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-16, Anakapalle - 531002, Visakhapatnam, A.P.

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Date: 04-02-2021

Anakapalle

To

The Principal,

Dadi Institute of Engineering & Technology

Anakapalle, Visakhapatnam.

Sub: Request for Approval to conduct One week workshop on Staad pro – Reg

Respected Sir,

The Department of Civil Engineering is proposing to conduct a Workshop on Staad Pro. In this regard, we request you to give approval to conduct this event from 8-2-2021 to 15-2-2021 in LAB-1

Thank You Sir,

Yours faithfully

HOD of Civil

Head of the Department  
Civil Engineering  
Dadi Institute of Engg. & Tech  
Anakapalle - 531 002

PRINCIPAL  
Dadi Institute of  
Engineering & Technology  
ANAKAPALLE - 531 002

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Date:06-02-2021

Anakapalle

## Circular

This is to inform all the students that, the Department Of Civil Engineering is conducting a Workshop on Staad Pro from 8-2-2021 to 15-2-2021 in LAB-1. All the students are informed to attend the workshop and enhance your skills.

  
HOD CIVIL

Head of the Department  
Civil Engineering  
Dadi Institute of Engg. & Tech.  
Anakapalle - 531 002



**Andhra Pradesh State Skill Development Corporation**

(Department of Skill Development, Entrepreneurship & Innovation, Govt. of Andhra Pradesh)



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**A ONE WEEK WORKSHOP ON “STAAD.Pro”  
(8th – 15th Feb 2021)**

**Organized by  
Department of Civil Engineering  
In Association with Andhra Pradesh State Soft Skills Development.**

**Report on “STAAD.Pro” one week Workshop**

**About Civil Engineering Department:**

The Department of Civil Engineering, established in 2011, offers B.Tech. programme in Civil Engineering for four years duration with an annual intake of 120 students. The programme is approved by AICTE and affiliated to JNTUK-Kakinada. The Department is headed by Mr.N. Ramu. It is supported by qualified and experienced faculty as per AICTE norms and non-teaching staff. The various laboratories available in the department are Strength of Material Laboratory, Surveying Laboratory, Fluid Mechanics Laboratory, Geotechnical Laboratory, and Environmental Engineering Laboratory. Other facilities of the Department include Drawing Hall as well as Department Library.

**Structural Analysis and Design (STAAD.Pro):**

(**STAAD.Pro**) is a structural analysis and design software application originally developed by Research Engineers International in 1997. In late 2005, Research Engineers International was bought by Bentley Systems.

STAAD.Pro is one of the most widely used structural analysis and design software products worldwide. It supports over 90 international steel, concrete, timber & aluminum design codes.

It can make use of various forms of analysis from the traditional static analysis to more recent analysis methods like p-delta analysis, geometric nonlinear analysis, Pushover analysis (Static-Nonlinear Analysis) or a buckling analysis. It can also make use of various forms of dynamic analysis methods from time history analysis to response spectrum analysis. The response spectrum analysis feature is supported for both users defined spectra as well as a number of international code specified spectra.

Additionally, STAAD.Pro is interoperable with applications such as RAM Connection, AutoPIPE, SACS and many more engineering design and analysis applications to further improve collaboration between the different disciplines involved in a project. STAAD can be used for analysis and design of all types of structural projects from plants, buildings, and bridges to towers, tunnels, metro stations, water/wastewater treatment plants and more.

Why STAAD.Pro?

- Automatically convert a physical model into an analytical model thus making the workflow proper.
- Improve multi-discipline team collaboration through desktop and cloud and mobile applications
- Optimize concrete and steel BIM workflows with integrated physical members and surfaces.

## **FEATURES**

- Analytic modeling
- Physical Modeling
- STAAD building planner
- Steel Auto drafter
- Advanced concrete design
- Advanced Slab Design
- Earthquake Mode

## **MORE FEATURES**

Architectural design, Structural engineering and fabrication, MEP engineering and fabrication, Construction

### **About Workshop:**

In its pursuit of excellence in technical education the Dept of Civil Engineering of Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Soft Skills Development organized One Week Workshop for the Third Year Civil Engineering Students of Department of Civil Engineering on STAAD.Pro during 8<sup>th</sup> Feb to 15<sup>th</sup> Feb, 2021. The Workshop aims to enhance and strengthen the skills among the students in the Structural Analysis and Design in the field of Civil Engineering. As the existing syllabus doesn't cater the present technologies in Civil Engineering stream, the Department organized the workshop to provide basic knowledge on STAAD.Pro.

### **Andhra Pradesh State Soft Skills Development**

Andhra Pradesh State Soft Skills Development Provides specialized training to the Students of Engineering colleges, Polytechnics etc., in various Disciplines in different courses by conducting three day & six day workshops.

### **Inauguration Function:**

The Workshop was inaugurated in the Seminar Hall 2, DIET Campus on 26-02-2019 at 10.00 AM. Prof. Dr. Ch. Narasimham, N. Ramu, HOD, Dept. of Civil Engineering, Convener of the Workshop, Trainers from APSSDC, HOD's of other departments, Faculty and Participants from Civil Engineering participated in the inaugural function.



Fig 1 Prof. Dr. Ch. Narasimham, Principal is addressing the gathering at the "STAAD.Pro" Workshop on the

inaugural day



Fig. 2 N.Ramu, HOD Civil Dept is addressing the gathering at the “STAAD.Pro” Workshop on the Inaugural day

### **Student Participation**

The trainer explained the advantages of using the software. They also demonstrated the practical applications in designing. The students could build many models by using the application. The students were applauded for their active participation for the six days



Fig. 3 APSSDC Trainer SriM. Pravallika explaining the basics of STAAD.Pro to the Participants

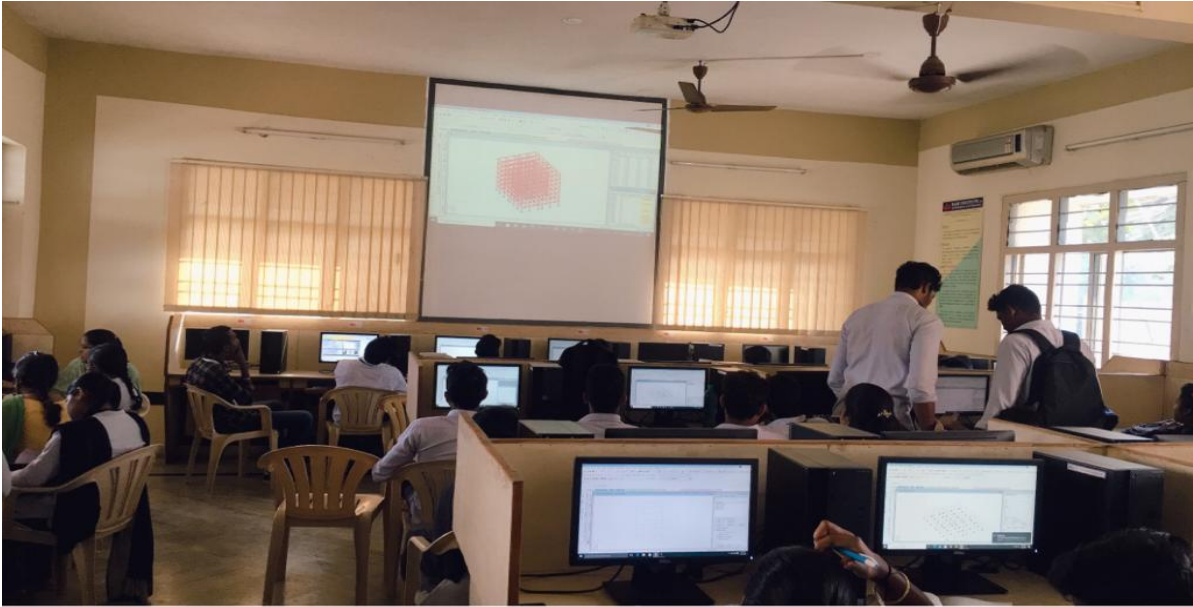


Fig. 3 APSSDC Trainer Sri Dalinaidu explaining the basics of STAAD.Pro to the Participants

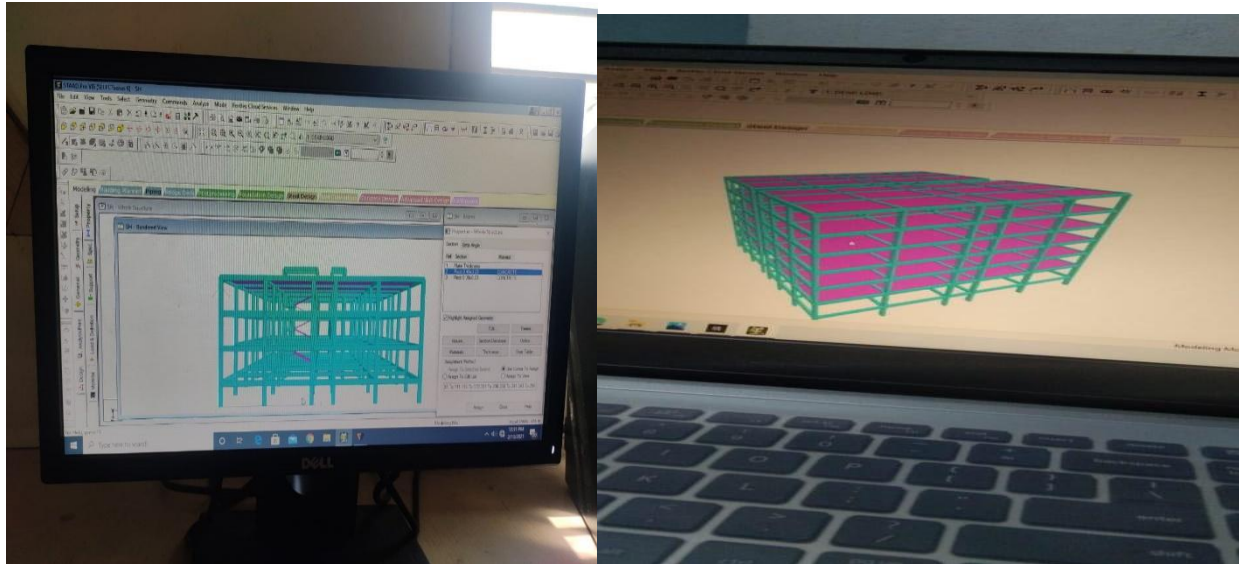


Fig. 4 Some of the Models prepared by our Students in STAAD.Pro Workshop

### **Valedictory Function:**

The Valedictory function of one week workshop on“STAAD.Pro” was done in the Seminar Hall 2, DIET Campus on 15-02-2021 at 12:00 PM. The dignitaries of the valedictory Function included Prof.Dr.Ch.Narasimham,Principal,Mr. N.Ramu, HOD,Dept. of Civil Engineering, Convener of the Workshop Trainers from APSSDC, All the Heads of other Departments of the College, faculty members and Students participated in the Valedictory Session.



Fig. 5 Group Photo with trainers and Faculty





Fig. 6 Sample Certificate

## LIST OF STUDENTS PARTICIPATED IN THE WORKSHOP

### III B.TECH. CIVIL II SEM

| S.No. | Roll. No   | Student Name          |
|-------|------------|-----------------------|
| 1     | 18U41A0101 | BAVISETTI YASHWANTH   |
| 2     | 18U41A0102 | BODDEDA SRAVANI       |
| 3     | 18U41A0104 | GOWRI SAI             |
| 4     | 18U41A0105 | KANDREGULA USHA       |
| 5     | 18U41A0106 | KANTA BALA CHAITANYA  |
| 6     | 18U41A0107 | KOMMU SAI KUMAR       |
| 7     | 18U41A0108 | ANNAM SAI             |
| 8     | 18U41A0109 | MAMIDI DURGA PRASAD   |
| 9     | 18U41A0110 | PALAPARTHI SWATHI     |
| 10    | 18U41A0111 | RAJANA SANTAKUMAR     |
| 11    | 18U41A0112 | SAKRE SARAN BHOOPATHY |
| 12    | 18U41A0113 | CHINTA RAJESH         |

|    |            |                                |
|----|------------|--------------------------------|
| 13 | 18U41A0114 | VADIGONDA VENKATESH            |
| 14 | 18U41A0115 | VELAGA NIVEDITHA               |
| 15 | 18U41A0116 | NAKKA USHARANI                 |
| 16 | 18U41A0117 | PEETHALA SAILAKSHMI            |
| 17 | 18U41A0118 | MALLA SAI KUMAR                |
| 18 | 18U41A0119 | BANDARU CHEKRI SAI SWAROOP     |
| 19 | 19U45A0101 | AEITA SATYA SAI PAVAN KARTHEEK |
| 20 | 19U45A0102 | AKKIREDDI VANI                 |
| 21 | 19U45A0103 | ALLA DEEPIKA                   |
| 22 | 19U45A0104 | ALLU PAVAN KUMAR               |
| 23 | 19U45A0105 | APPIKONDA KOTESH KUMAR         |
| 24 | 19U45A0106 | ASWATHUGARI MADHUSUDHAN        |
| 25 | 19U45A0107 | BANTU NAVEEN                   |
| 26 | 19U45A0108 | BHEEMARAJU RAMESH              |
| 27 | 19U45A0109 | BODDETI SRAVAN SAI DHEERAJ     |
| 28 | 19U45A0110 | CHALLAPALLI MEGHANA            |
| 29 | 19U45A0111 | CHINTAKAYALA MUSALA PATRUDU    |
| 30 | 19U45A0112 | CHITIKALA SATEESH              |
| 31 | 19U45A0113 | CHOKKAKULA LATHA               |
| 32 | 19U45A0114 | DODDI GANESH                   |
| 33 | 19U45A0115 | GEDDA SANDYA                   |
| 34 | 19U45A0116 | GOLLOAVILLI SURYA VAMSI        |
| 35 | 19U45A0117 | GUNDAPU YIRIMYA                |
| 36 | 19U45A0118 | GURRAM NOOKARAJU               |
| 37 | 19U45A0119 | JETTI PRABHAVATHI DEVI         |
| 38 | 19U45A0120 | KADIYAM PRIYANKA               |
| 39 | 19U45A0122 | KARRI LAXMAN KUMAR             |
| 40 | 19U45A0123 | KARRI SAMPATH RAM              |
| 41 | 19U45A0124 | K SAMPATH VINAY BHAGAVAN       |
| 42 | 19U45A0125 | KONA MANOJ KUMAR               |
| 43 | 19U45A0126 | KOTTE INDIRA BALA SAI          |
| 44 | 19U45A0127 | KOYYA SWAROOPA                 |
| 45 | 19U45A0129 | MALLA SAI GANESH               |
| 46 | 19U45A0130 | MEDAPATI SATYA SIRISHA         |
| 47 | 19U45A0132 | NIMMADALA SAI KUMAR            |
| 48 | 19U45A0134 | PEELA SATEESH                  |
| 49 | 19U45A0135 | POLAMARASETTI KALYAN SAI       |
| 50 | 19U45A0136 | POLISETTI RAJ PAVAN            |
| 51 | 19U45A0137 | PUTHI SAI                      |
| 52 | 19U45A0138 | RAJANA PAVANI                  |
| 53 | 19U45A0139 | SALAMSETTI HARISH              |
| 54 | 19U45A0140 | SARAGADAM ASHLISH              |

|    |            |                              |
|----|------------|------------------------------|
| 55 | 19U45A0141 | SHAIK NASEER AHAMAD          |
| 56 | 19U45A0142 | SIMHADRI SAI KUMAR           |
| 57 | 19U45A0143 | SIVALANKA SAI SIREESHA       |
| 58 | 19U45A0144 | SORNAPUDI KAILASH KUMAR      |
| 59 | 19U45A0145 | TATIKONDA HARIKRISHNAM NAIDU |
| 60 | 19U45A0146 | TELU KISHORE                 |
| 61 | 19U45A0147 | THADI CHANDRA GANESH         |
| 62 | 19U45A0148 | VARRI RAMU                   |
| 63 | 19U45A0149 | DADI TARUN KUMAR             |
| 64 | 19U45A0150 | A AMARNADH                   |

Feedback Form

| Questions  | Strongly Agree | Agree | Disagree |
|--|----------------|-------|----------|
| 1.The information presented were relevant and useful |                |       |          |
| 2.The resource person answered all queries           |                |       |          |
| 3.Will you participate such session in future        |                |       |          |
| 4.Session is organized well                          |                |       |          |