

# Pragati Engineering College, Surampalem

## </> TECHNICAL DETAILS

- The AutoCAD Civil 3D Interface
- Project Management
- Parcels
- Survey
- Surfaces
- Alignments
- Profiles
- Corridors
- Grading
- Pipe Networks
- Quantity Take Off/Sections
- Plan Production

## ELIGIBILITY

First Year to Final Year Students can participate in this Workshop. Students from all Engineering branches can participate in it. No Programming Skills Required, Just a Curious Mind.

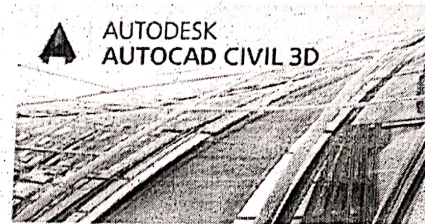
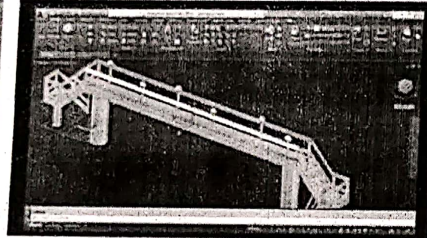
**DATE : 15-16 APRIL, 2024**

## DEPT. OF CIVIL ENGINEERING

**PRESENTS**

**TWO DAYS WORKSHOP ON**

# CIVIL 3D



## WORKSHOP DETAILS

- A Two Days Workshop on Civil 3D.
- Participation Certificate to All Participants from Innovians Technologies & Technex, IIT Varanasi.
- At the End of Workshop on Second Day a small competition will be organized and best performing students will get Certificate of Excellence from Technex, IIT Varanasi.



## CONTACTS

### FACULTY COORDINATORS

Y.S.T.Sowrya : 9010017027  
B.Sri Datta : 9989803199

### STUDENT COORDINATORS

B. Lalu Prasad : 6301089116  
Sasi Anoushka Vedula : 9392341118

**PARTICIPATION CERTIFICATE  
TO ALL PARTICIPANTS  
BY**

## TECHNEX, IIT VARANASI

### VENUE

**Pragati Engineering College (Autonomous)  
ADB Road, Surampalem, Kakinada Dist**

## Pre -Requisite

Participants need to bring their own Laptop.  
(Atleast 1 Laptop in a group of 2)

Want to Organize any workshop in your college, Contact Us On +91-9250904129.

[www.innovianstechnologies.com](http://www.innovianstechnologies.com)

| +91-9250904129

| [info@innovianstechnologies.com](mailto:info@innovianstechnologies.com)

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Department of Civil Engineering



Two Days Workshop

on

“CIVIL 3D”

from 15<sup>th</sup> & 16<sup>th</sup> April 2024

By

TECHNEX'24, IIT VARANASI



**Pragati** Engineering College  
(Autonomous)





# PRAGATI ENGINEERING COLLEGE (Autonomous)

# 1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437  
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)  
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)  
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in

(Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

PEC/CE/Circular

Date:-08-04-2024

## CIRCULAR

This is to inform that Technex'24, IIT Varanasi conducting two days national level workshop on "CIVIL 3D" an outreach program delivered by Innovians Technologies (India) going to held at Pragati Engineering College (Autonomous), Surampalem on 15<sup>th</sup> April & 16<sup>th</sup> April, 2024. I request interested students can register for the webinar on or before 12<sup>th</sup> April, 2024. The register links will be sent through your Whats app groups. For further details students can contact Faculty coordinators, Mr. Y. S.T. Sowrya & B.S. Datta Subramanyam.

All the students are requested to utilize this opportunity with your presence.

*K. Sanga*  
8/4/24  
HOD-CE HOD  
PRAGATI ENGINEERING COLLEGE (A)  
SURAMPALEM

Copy to...,  
Dept. Notice Board.  
Circulate among Faculty,  
Class Rooms of CE - I, II, III & IV year's







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## DEPARTMENT OF CIVIL ENGINEERING

### WORKSHOP REPORT

FOR

### “A TWO DAYS WORKSHOP on CIVIL 3D”

AutoCAD Civil 3D software is a civil engineering design and documentation solution that supports Building Information Modeling (BIM) workflows on a variety of civil infrastructure project types, including roads and highways, land development, rail, airports, and water. Civil 3D helps civil infrastructure professionals improve project delivery, maintain more consistent data and processes, and respond faster to project changes.

#### 1. Scope of Course

The AutoCAD Civil 3D training course is designed for those who have a background of surveyors and civil engineering. The dynamic design functionality of the software permits rapid development of alternatives via model-based design tools. They can learn ways to organize project data, create & analyse surfaces, create parcel layouts, road corridors, and layout of networks. The training covers the following key topics:

- Navigate AutoCAD Civil 3D user interface
- Create point groups and work with survey figures
- Create, edit and analyse surfaces
- LiDAR Survey
- Make and edit alignments
- Create grading solutions
- Perform quantity takeoff and earthwork calculation
- Designing Roundabout, Corridor, and Junction design.





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## DEPARTMENT OF CIVIL ENGINEERING

- Career Prospects / Job Roles
- Career Prospects / Job Roles

Since, Civil 3D is an integral part of the CAD industry, owning parallel skills sets is a must. Therefore, AutoCAD is a prerequisite for many job opportunities. The skill set can be used to find suitable jobs in the field of digital surveying, BIM, and transportation design. Anybody with knowledge of Civil 3D can get a job easily as:

- CAD Technician
- BIM Modeler
- Highway Engineer
- Survey Analyst

### 2. Topics Covered

- Calculation of Survey Data
- Arranging Survey Data
- Importing Data
- Area Calculation
- Creating Surface
- Creating Alignment
- Creating Profile
- Designing New Profile
- Creating Cross Section
- Creating Corridor
- 3d View





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## DEPARTMENT OF CIVIL ENGINEERING

### 3. Trainer:

Hemant Singh, an experienced civil engineer and AutoCAD Civil 3D expert, served as the lead trainer for the "Two Days Workshop on Civil 3D." With 9 years of hands-on experience in civil engineering and BIM workflows, Mr. Singh brought a wealth of practical knowledge to the training sessions.

Mr. Singh's training approach emphasized practical applications and real-world scenarios, enabling participants to grasp complex concepts efficiently. His expertise in LiDAR survey techniques and dynamic design functionalities of AutoCAD Civil 3D enriched the learning experience. Throughout the workshop, Mr. Singh guided participants through various modules, including point group creation, surface analysis, corridor design, and quantity takeoff exercises.

### 4. Conclusion:

The workshop on AutoCAD Civil 3D was attended by 60 students and faculty members. It was conducted in MS-1 and the CAD Lab on April 15th and 16th, respectively.

#### Day 1 (April 15th):

On the first day, students were introduced to the basic operations of AutoCAD Civil 3D software.

#### Day 2 (April 16th):

The focus of the second day was on practical applications. Students actively engaged in a project involving road profile construction. In the afternoon, a competition was organized by the trainer, where participants demonstrated their skills in using the software. The top 5 performers were recognized as elite.

In the evening session, participation certificates were distributed by the Trainer and the Head of the Department. The Principal graced the occasion by distributing complementary gifts and certificates to the top 5 elite students. Additionally, participation certificates were handed out to the faculty coordinators and felicitated trainer.

The session concluded with snacks and drinks for all participants.



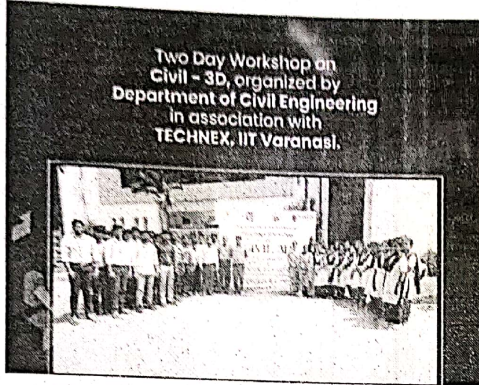


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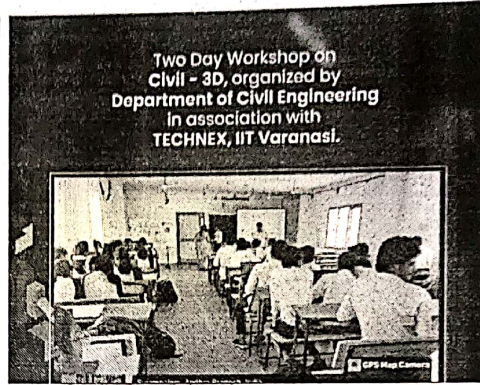
## DEPARTMENT OF CIVIL ENGINEERING

### 5. Gallery Glimpse:



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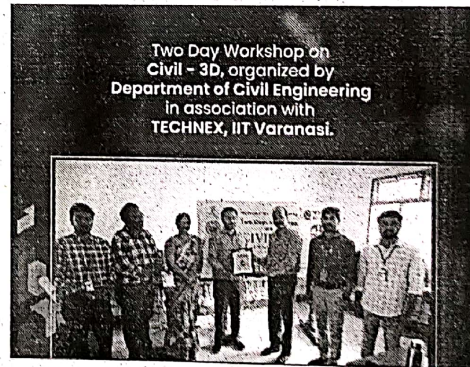
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### Workshop Coordinators:

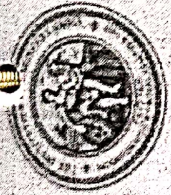
- 1) Y. Siva Teja Sowrya, Asst Prof.
- 2) B. S. Datta Subramanyam, Asst Prof

HOD - CE

K. Saroja Ram







Registration ID:

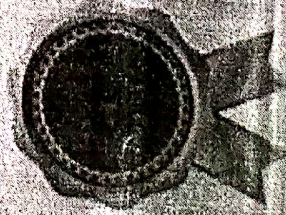
# CERTIFICATE OF COMPLETION

This is to Certify that

Mr./Ms. M. V. N. V. Latha Chandrika (28A31A0110)  
has successfully completed two days national level workshop on

## Civil 3D

an outreach program of Technex'24, IIT Varanasi  
delivered by Innovians Technologies (India)  
held at Pragati Engineering College (Autonomous), Surampalem  
on 15<sup>th</sup> April & 16<sup>th</sup> April, 2024.



Raghav Agrawal  
(Competent)

Technex'24



Prateek Gupta  
(Director)

Innovians Technologies







**INNOVIANS  
TECHNOLOGIES**  
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**TECHNEX'24**  
The Annual Training Management Festival of  
**Indian Institute of Technology**  
(Banaras Hindu University), Varanasi

**CERTIFICATE  
OF EXCELLENCE**

This is to Certify that

Mr./Ms. D. Purja Venkata Naga Sai (23A35A0114)  
has actively participated in two days workshop cum competition on

**CIVIL 3D**

an outreach program of Technex'24, IIT Varanasi  
delivered by Innovians Technologies (India)  
held at Pragati Engineering College (Autonomous), Surampalem  
& secured Third Place

on 15<sup>th</sup> April & 16<sup>th</sup> April, 2024.



*Raghav Agrawal*  
**Raghav Agrawal**  
(Coordinator)



**Prateek Gupta**  
(Director)



Technex'24

Innovians Technologies





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## TWO DAYS NATIONAL LEVEL WORKSHOP ON "CIVIL 3D"

S.No	Roll Number	Name of the Student	15/04/2024		16/04/2024	
			F.N	A.N	F.N	A.N
1	23A31A0101	A.V.Pravallika Devi	A. Pravalika	A. Pravalika	A. Pravalika	A. Pravalika
2	23A31A0102	B. Amrutha	B. Amrutha	B. Amrutha	B. Amrutha	B. Amrutha
3	23A31A0106	G. V. Satya Sri	G.V.Satya Sri	G.V.Satya Sri	G.V.Satya Sri	G.V.Satya Sri
4	23A31A0110	M.V.N.V. Latha Chandrika	M.L.Chandrika	M.L.Chandrika		
5	23A31A0112	P. Sarvani	P.Sarvani	P.Sarvani	P.Sarvani	P.Sarvani
6	23A31A0113	P.Devi	P.Devi	P.Devi	P.Devi	P.Devi
7	23A31A0116	S.Devika	S.Devika			
8	23A31A0120	V. Sasi Anoushka	V.Sasithan	V.Sasithan	V.Sasithan	V.Sasithan
9	23A31A0132	K.Neeraj Kumar Reddy	K.Neeraj Reddy	K.Neeraj Reddy	K.Neeraj Reddy	K.Neeraj Reddy
10	23A31A0143	T. Kanna babu	T.Kanna Babu	T.Kanna Babu	T.Kanna Babu	T.Kanna Babu
11	23A31A0144	U. Suresh	U.Suresh	U.Suresh	U.Suresh	U.Suresh
12	23A31A0152	Y. Durga Siva Prasad	Y.Durgasiva Prasad	Y.Durgasiva Prasad	Y.Durgasiva Prasad	Y.Durgasiva Prasad
13	23A31A0108	K Vaishnavi	K.Vaishnavi	K.Vaishnavi	K.Vaishnavi	K.Vaishnavi
14	23A31A0109	M.Navya Sri	M.Navya Sri	M.Navya Sri	M.Navya Sri	M.Navya Sri
15	22A31A0102	D.Sirisha	D.Sirisha	D.Sirisha	D.Sirisha	D.Sirisha
16	22A31A0104	G. Pavitra Lahari	G.Pavitalahari	G.Pavitalahari	G.Pavitalahari	G.Pavitalahari
17	22A31A0106	M. Annapurna	M. Annapurna	M. Annapurna	M. Annapurna	M. Annapurna
18	22A31A0107	N. Harika Lakshmi	N.Harika Lakshmi	N.Harika Lakshmi	N.Harika Lakshmi	N.Harika Lakshmi
19	22A31A0108	P.Mahanvitha	P.Mahanvitha	P.Mahanvitha	P.Mahanvitha	P.Mahanvitha
20	22A31A0110	S.Jahnavi Lakshmi Devi Priya	S.Jahnavi	S.Jahnavi	S.Jahnavi	S.Jahnavi
21	22A31A0111	S. Ishwarya Ambika	S.Ishwarya	S.Ishwarya	S.Ishwarya	S.Ishwarya
22	22A31A0112	P. Tejaswini Sai Durga	P.Tejaswini	P.Tejaswini	P.Tejaswini	P.Tejaswini
23	22A31A0113	B. Lalu Prasad	B.Laluprasad	B.Laluprasad	B.Laluprasad	B.Laluprasad
24	22A31A0116	G.Naga Venkateswara Rao	G.N.Venkateswar	G.N.Venkateswar	G.N.Venkateswar	G.N.Venkateswar
25	22A31A0117	G Raj Vardhan	G.Raj Vardhan	G.Raj Vardhan	G.Raj Vardhan	G.Raj Vardhan
26	22A31A0118	K.Jagadeeswar	K.Jagan	K.Jagan	K.Jagan	K.Jagan
27	22A31A0122	M.V.Subba Rayudu	M.V.S.Rayudu	M.V.S.Rayudu	M.V.S.Rayudu	M.V.S.Rayudu
28	22A31A0124	N. Sai Kiran	N.Saikiran	N.Saikiran	N.Saikiran	N.Saikiran
29	22A31A0125	N.Radhachakradhar	N.Radhachakra	N.Radhachakra	N.Radhachakra	N.Radhachakra
30	22A31A0126	N.Yajath Venkat Ram	N.Yajath	N.Yajath	N.Yajath	N.Yajath
31	22A31A0128	P. Manikumar	P.Manikumar	P.Manikumar	P.Manikumar	P.Manikumar
32	22A31A0130	P. Gopi	P.Gopi	P.Gopi	P.Gopi	P.Gopi
33	22A31A0131	P.Vamsi Krishna	P.Vamsi Krishna	P.Vamsi Krishna	P.Vamsi Krishna	P.Vamsi Krishna



34	22A31A0132	R.Mohan Naga Balaram	R. Balara	R. Balara	R. Balara	R. Balara
35	22A31A0133	R.Mohan Veera lakshman	R.M.V. laksh	R.M.V. laksh	R.M.V. laksh	R.M.V. laksh
36	22A31A0134	R. Lakshmi Narayana	R. Narayana	R. Narayana	R. Narayana	R. Lakshmi
37	22A31A0135	S. Satya Narayana Swamy	S. Swamy	S. Swamy	S. Swamy	S. Swamy
38	22A31A0136	S. Harsha Sai Nadh	S. Harsha Sai	S. Harsha Sai	S. Harsha Sai	S. Harsha Sai
39	22A31A0137	S V V Subrahmanyam	S.V.V. Subrahmanyam	S.V.V. Subrahmanyam	S.V.V. Subrahmanyam	S.V.V. Subrahmanyam
40	22A31A0140	T. Sri Uma Venkatesh	T. Venkatesh	T. Venkatesh	T. Venkatesh	T. Venkatesh
41	22A31A0141	V. Satyanarayana	V. Satya	V. Satya	V. Satya	V. Satya
42	23A35A0101	A. Sushma	A. Sushma	A. Sushma	A. Sushma	A. Sushma
43	23A35A0103	G.Hema Latha Kalyani	G.H.L. Kalyani	G.H.L. Kalyani	G.H.L. Kalyani	G.H.L. Kalyani
44	23A35A0105	K.Lahari Venkata Durga	K.L.V. Durga	K.L.V. Durga	K.L.V. Durga	K.L.V. Durga
45	23A35A0106	K.Liharika Ratnam	K. Liharika	K. Liharika	K. Liharika	K. Liharika
46	23A35A0108	R.Vasavi	R. Vasavi	R. Vasavi	R. Vasavi	R. Vasavi
47	23A35A0109	S.Satya Sivani	S. Satya Sivani	S. Satya Sivani	S. Satya Sivani	S. Satya Sivani
48	23A35A0110	T.V. Siva Manideep	A. Manideep	A. Manideep	A. Manideep	A. Manideep
49	23A35A0114	D. Surya Venkata Naga Sai	D. Surya	D. Surya	D. Surya	D. Surya
50	23A35A0115	G. Shalem Raj	G. Shalem Raj	G. Shalem	G. Shalem	G. Shalem
51	23A35A0116	K.Kailash	K. Kailash	K. Kailash	K. Kailash	K. Kailash
52	21A31A0118	A. Jnana Siva Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash
53	21A31A0121	C.S V V Ram Kishore	C.S.V.V. Ram	C.S.V.V. Ram	C.S.V.V. Ram	C.S.V.V. Ram
54	21A31A0124	G. John Mukesh	G. John Mukesh	G. John Mukesh	G. John Mukesh	G. John Mukesh
55	21A31A0125	J. Chandu	J. Chandu	J. Chandu	J. Chandu	J. Chandu
56	21A31A0116	V. Saranya Sahithi	V. Saranya Sahithi	V. Saranya	V. Saranya	V. Saranya
57	21A31A0109	K.Harsha Sri	K. Harshasri	K. Harshasri	K. Harshasri	K. Harshasri
58	21A31A0128	K.Sesha Sai Karthik	K.S.S. Karthik	K.S.S. Karthik	K.S.S. Karthik	K.S.S. Karthik
59	22A35A0105	Ch. Surya Teja	Ch. Teja	Ch. Teja	Ch. Teja	Ch. Teja
60	22A35A0107	K. Sri Satyanarayana Reddy	K. Satya Reddy	K. Satya Reddy	K. Satya Reddy	K. Satya Reddy

Faculty Coordinator: Mr. Y.S.T.Sowrya

Faculty Coordinator: Mr. B.Sri Datta Subramanayam

*(Signature)*

