



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE, New Delhi & Permanently Affiliated to JNTUHH)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## Department of Civil Engineering

VJIT/CE/VAC/2019-20/01

Date: 11-07-2019

### CIRCULAR

The Department of Civil Engineering is planning to conduct "Introduction to Software in Geotechnical Engineering" for the benefit of IV B. Tech (Semester-I) students. This could be scheduled from 17<sup>th</sup> July 2019 – 22<sup>nd</sup> July 2019. The interested students can enroll for the course by 15<sup>th</sup> July 2019.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mrs. Sharada	Assistant Professor
2	Mrs. Deepika	Assistant Professor

*A. Kumar*

*T. Lakshmi*

HOD/CE

#### Copy to:

1. The Principal Office
2. Notice Board
3. IV B. Tech Students

PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

W. No. 23/2/20, V.V. Road, Himayatnagar (Vill), C.B. Post., Hyderabad-500075  
A. No. 78/2, State T. A. Road, Hyderabad-500075

Department of Civil Engineering

## SYLLABUS

### GEO5: Geotechnical Software

- CO1-Understand the software's used in Geo Technical Engineering
- CO2-Design & Analyze the wall using GEO 5 software
- CO3-Design for Retaining wall using software & Soil Stability

#### MODULE-1

Analysis settings and settings administrator, Design of Cantilever wall, Verification of gravity wall.

#### MODULE-2

Design of non-anchored restraint retaining wall, Design of anchored retaining wall, Verification of retaining wall with one anchor row, Slope stability analysis.

#### MODULE-3

FOS calculations, types of slope failure, and applications of engineering properties of soil in slope stability.

*A. Prasad*

PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Accredited by UAM, Approved by AICTE New Delhi & Permanently Affiliated to JNTU  
Aziz Nagar Gate, C. B. Post, Hyderabad-500 075

Department of Civil Engineering

## Certification Course - "Introduction to Software in Geo- Technical Engineering"

### List of Registered Students (2019-20)

S.No.	ROLL NO.	NAME OF THE STUDENT
<b>SEMESTER-I</b>		
1	16911A0108	BAJJURI ASHISH SAI
2	16911A0110	BHUKYA PRAVEEN
3	16911A0111	BODA KALYAN
4	16911A0120	G SAI PRAVALIKA
5	16911A0121	GURRALA RAKESH
6	16911A0122	JUTTUKONDA SAIIRILOK
7	16911A0123	KAPAVARAPU LAKSHMI SHIVA PRIYA
8	16911A0124	KARILALKOTA SRIKANTH
9	16911A0128	KOPPULA TRIVIDHA
10	16911A0130	KUPPIREDDY PAVAN KUMAR REDDY
11	16911A0132	MADDELA NIRANJAN
12	16911A0135	MOHD AFRAZ KHAN
13	16911A0136	MOHD KAZIM ALI
14	16911A0137	MOHD MOOSA TAHA
15	16911A0138	MUNGI RUKMA REDDY
16	16911A0140	MUTHYALA PRASHANTH GOUD
17	16911A0141	N V N SANTOSHI SRIJA
18	16911A0143	P SIVA NAIK
19	16911A0144	P VARSHAD REDDY
20	16911A0146	POREDDY AMRUTHA
21	16911A0149	RASAM VAMSHI
22	16911A0152	SHIVARAM SUPRIYA
23	16911A0153	THALUGULA VINITH
24	16911A0156	TUMMEDA SRIDHAR
25	16911A0157	ULLENDULA AJAY KUMAR
26	16911A0158	VADLA SANDEEP
27	17915A0101	A VIDYASAGAR
28	17915A0102	ALTHURI SUMAN
29	17915A0103	AMANDU MANASA
30	17915A0105	BANDI SOWJANYA
31	16911A01A9	PODISHETTI HARIKA
32	16911A01B1	S SATHVIKA
33	16911A01B5	SRI PADA NAGENDRA
34	16911A01B6	THUNGA ANAND REDDY
35	16911A01B7	THURPATI ASHOK
36	16911A01B8	TIRUNAGARI ANKITH SIDDHARTHA
37	17915A0113	MAANKALI DIVYASAI

*A. Prasad*

PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Viii), C.B. Post,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by BAAC, Approved by AICTE New Delhi & Permanently Affiliated to JNTU)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## Department of Civil Engineering

38	17915A0114	MALYALA PRIYANKA
39	17915A0116	MANDHATI NAVEEN
40	17915A0117	MULLANGI PRAVEEN
41	17915A0118	N NAVEEN KUMAR
42	17915A0119	NENAVATH HANUMANTHU
43	17915A0120	PITTALA MOUNIKA
44	17915A0123	VANKUDOTH KISHAN
45	17915A0124	YAKARA ANIL

*A. Pasam*

**PRINCIPAL**  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.

*Rajawari*

**HOD/CE**



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Established by VJMIT - Approved by AICTE New Delhi & Recognized by Government of India)  
Ariz Nagar Gate, C. B. Post, Hyderabad 500 075

## Department of Civil Engineering

VJIT/CE/VAC/2019-20/01

Date: 02-12-2019

### CIRCULAR

The Department of Civil Engineering is planning to conduct "IS codes & its applications in Geotechnical Engineering" for the benefit of IV B. Tech (Semester-I) students. This could be scheduled from 16<sup>th</sup> December 2019 – 21<sup>st</sup> December 2019. The interested students can enroll for the course by 9<sup>th</sup> December 2019.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Dr. Pallavi Badry	Professor & HOD
2	Mrs. Deepika	Assistant Professor

*A. Prasad*

*Pallavi*

HOD/CE

#### Copy to:

1. The Principal Office
2. Notice Board
3. IV B. Tech Students

**PRINCIPAL**  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Established in the year 1983, it is a leading institution in the field of Education.

Address: C.B. Post, Hyderabad-500015.

## Department of Civil Engineering

### CONTENTS

- CO1 Understand the applications of IS Codes in area of Geo- Technical Engineering
- CO2 Able to apply IS Codes in solving Geo- Technical Problems
- CO3 Understand Codes used in Design of different Foundations & soil load tests

IS 1080 1985

Code  
of Practice for Design and Construction of Shallow Foundations in Soils  
(Other Than Raft, Ring and Shell)

IS 1498 1970

Classification  
and identification of soils for general engineering purposes

IS 1888 1982

Method of load test on soils

IS 1892 1979

Code  
of practice for subsurface investigation for foundations

IS 1904 1986

Code  
of practice for design and construction of foundations in soils: General  
requirements

PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

15, Himayatnagar (VIII), C.B. Post, Hyderabad-75  
Aiz Nagar, Gate: 1, B. Post, Hyderabad-500075

## Department of Civil Engineering

### Certification Course - "IS Codes & Its Application in Geo- Technical Engineering"

#### List of Registered Students (2019-20)

S.No.	ROLL NO.	NAME OF THE STUDENT
<b>SEMESTER-I</b>		
1	16911A0107	BAIKHAN SAIRAM
2	16911A0108	BAJJURI ASHISH SAI
3	16911A0110	BHUKYA PRAVEEN
4	16911A0111	BODA KALYAN
5	16911A0120	G SAI PRAVALIKA
6	16911A0121	GURRALA RAKESH
7	16911A0122	JUTTUKONDA SAITRILOK
8	16911A0123	KAPAVARAPU LAKSHMI SHIVA PRIYA
9	16911A0124	KARILALKOTA SRIKANTH
10	16911A0125	KETHAVATH PAVANKALYAN
11	16911A0128	KOPPULA TRIVIDHA
12	16911A0130	KUPPIREDDY PAVAN KUMAR REDDY
13	16911A0131	M SRIKANTH
14	16911A0132	MADDELA NIRANJAN
15	16911A0133	MD ABDUL REHMAN
16	16911A0135	MOHD AFRAZ KHAN
17	16911A0136	MOHD KAZIM ALI
18	16911A0137	MOHD MOOSA TAHA
19	16911A0138	MUNGI RUKMA REDDY
20	16911A0139	MUTHYALA BALRAJ
21	16911A0140	MUTHYALA PRASHANTH GOUD
22	16911A0141	N V N SANTOSHI SRIJA
23	16911A0142	NETUNOORI RAMGOPAL
24	16911A0143	P SIVA NAIK
25	16911A0144	P VARSHAD REDDY
26	16911A0146	POREDDY AMRUTHA
27	16911A0148	POTTA VARUN PATEL
28	16911A0149	RASAM VAMSHI
29	16911A0152	SHIVARAM SUPRIYA
30	16911A0153	THALUGULA VINITH
31	16911A0154	THANDA SAI KIRAN GOUD
32	16911A0156	TUMMEDA SRIDHAR
33	16911A0157	ULLENDULA AJAY KUMAR
34	16911A0158	VADLA SANDEEP
35	16911A0160	VEMULA MANOJ KUMAR
36	17915A0101	A VIDYASAGAR
37	17915A0102	ALTHURI SUMAN
38	17915A0103	AMANDU MANASA

*A. Prasad*

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post,  
Hyderabad-75



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

WINDMILL COLLEGE ROAD, HIMAYATNAGAR, HYDERABAD-500082  
ANDHRA PRADESH, INDIA. TEL: 080-26281111

## Department of Civil Engineering

39	17915A0104	AMEEJA BAGUNNANDAN
40	17915A0105	BANDI SOWJANYA
	17915A0107	CHARAGONDIA NIKHIL KUMAR
41	17915A0108	CHOWLA SATHVIK REDDY
42	17915A0109	D PRASHANTH KUMAR
43	17915A0110	ESELAATH PRAVEEN
44	17915A0111	GANGADHARA KAUSHIK
45	17915A0112	KE THURI SHYAM PRASAD
46	16911A0161	A ASHOK
47	16911A0163	ALLAPURAM VAMSHI
48	16911A0164	ALLURI PREETHAM
49	16911A0165	ANNEPU LAXMI PRASAD
50	16911A0167	BADDAM SITARAM REDDY
51	16911A0171	BOMMERA VIDYASAGAR
52	16911A0172	BURJUKADI ADITHYA YADAV
53	16911A0173	CHAPPIDI ARAVIND REDDY
54	16911A0174	D ARUN REDDY
55	16911A0175	DEEPAK PRADHAN
56	16911A0181	G SREEJA REDDY
57	16911A0182	GANDEKATHERA KRANTHIKUMAR
58	16911A0183	GANDHASIRI VINAY
59	16911A0184	GANTYALA VAMSHI
60	16911A0185	GOPATHI GAYATRI
61	17915A0114	MALYALA PRIYANKA
62	17915A0115	MANDHA GANESH
63	17915A0116	MANDHATI NAVEEN
64	17915A0117	MULLANGI PRAVEEN
65	17915A0118	N NAVEEN KUMAR

*A. Prasad*

PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.

*Pallavi*

HOD/CE



**2018 – 2019**



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Is accredited by MAAI & UAC. Approved by All India Engineering & Technology Accreditation Council,  
Aziz Nagar Gate, C.B. Post, Hyderabad-500075.

## Department of Civil Engineering

VJIT/CE/VAC/2018-19/02

Date: 26-02-2019

### CIRCULAR

The Department of Civil Engineering in association with UNIQUE SURVEY SOLUTIONS is planning to conduct Training on “Total station & Land Surveying Training Program” for the benefit of III B.Tech (Semester-II) students. This could be scheduled from 05 March 2019 – 11 March 2019 with 30 hours duration. The interested students can enroll for the course by 1 March 2019.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mr. G. Srinath	Assistant Professor
2	Mr. S. Raghavendra	Assistant Professor

*Pallavi*

HOD/CE

#### Copy to:

1. The Principal Office
2. Notice Board
3. III B. Tech Students

*A. K. Srinivas*  
PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Approved by UGC, MHRD, AICTE, All India Council for Technical Education, Government of India)  
Azu Nagar Gate, C.B. Post, Hyderabad 500 075

## Department of Civil Engineering

### Course Syllabus

**CO1-** Able to Understand Principles of Total Station in Surveying

**CO2:** Understand the Fundamentals of Land Surveying & GPS

**CO3:** Understand field activity which provide real application of theoretical principles of surveying

## Total Station & Land Surveying

### LEVEL-1

**Introduction-** Total Station in Surveying, Operations - Uses and advantages -types of Total Station - Advancement in Total Station Technology - Automatic Target Recognition ATR

**Surveying using Total Station** - Flow chart of data collection - Fundamental Parameters of Total Station - Precautions to be taken while using Total Station- Drawings and Map preparation using TS data.

### LEVEL-2

**GPS-** Fundamentals Of Land Surveying & GPS-Global Positioning System (GPS)-TS & Digital Land Surveying (Dls)- Dls& Digital Mapping (Dm)-Dm & Digital Data Manipulation (Ddm)-Digital Land Surveying And Mapping (Dls&M)

### LEVEL-3

**Integration of GPS and total station technologies-** Survey equipment advances- Survey scenarios (Remote area – topographic survey, Rural area – boundary survey, Construction site – stakeout ,Urban area – utilities survey)- Comparison with conventional traversing.

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by UGC, AICTE, NBA, Approved by AICTE, New Delhi & Recognized by AICTE, Hyderabad)

Aziz Nagar Gate, C. B. Post, Hyderabad - 500 025

## Department of Civil Engineering

Certification Course - "TOTAL STATION LAND SURVEYING TRAINING PROGRAM"

### List of Registered Students(2019-20)

S.No.	ROLL NO.	NAME OF THE STUDENT
1	16911A0108	BAJJURI ASHISH SAI
2	16911A0109	BATTU SANDEEP
3	16911A0113	CHALLA PRAVEEN KUMAR REDDY
4	16911A0115	DAKURI SAI KIRAN
5	16911A0116	DATHKARI UMESH
6	16911A0119	G RAHUL RAJ
7	16911A0123	KAPAVARAPU LAKSHMI SHIVA PRIYA
8	16911A0124	KARILALKOTA SRIKANTH
9	16911A0126	KOMMU AYYAPPA
10	16911A0130	KUPPIREDDY PAVAN KUMAR REDDY
11	16911A0133	MD ABDUL REHMAN
12	16911A0135	MOHD AFRAZ KHAN
13	16911A0136	MOHD KAZIM ALI
14	16911A0137	MOHD MOOSA TAHA
15	16911A0150	RATHOD SRIKANTH
16	16911A0152	SHIVARAM SUPRIYA
17	16911A0155	THATIKONDA SRINIVAS
18	16911A0158	VADLA SANDEEP
19	16911A0160	VEMULA MANOJ KUMAR
20	17915A0111	GANGADHARA KAUSHIK
21	16911A0168	BANTU CHAITHANYA KRISHNA
22	16911A0170	BILLAKANTI MADHAVA REDDY
23	16911A0184	GANTYALA VAMSHI
24	16911A0185	GOPATHI GAYATRI
25	16911A01A3	NIKHITHA MUSLEPALLY
26	16911A01A4	P BHARATH REDDY
27	16911A01B7	THURPATI ASHOK
28	16911A01B8	TIRUNAGARI ANKITH SIDDHARTHA
29	17915A0116	MANDHATI NAVEEN
30	17915A0117	MULLANGI PRAVEEN

*A. Prasad*

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.

*Rajaram*

HOD/CE



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC 'B' Grade, Approved by AICTE New Delhi & Permanently Affiliated to JNTU)  
A/12 Nagar Gate, C. B. Post, Hyderabad 500 075

## Department of Civil Engineering

VJIT/CE/VAC/2018-19/01

Date: 09-12-2018

### CIRCULAR

The Department of Civil Engineering in association with CADD CENTRE TRAINING SERVICES is planning to conduct Civil software Training on "Core Based Placement Training" for the benefit of III B. Tech (Semester-II) students. This could be scheduled from 12<sup>th</sup> December 2018 – 16<sup>th</sup> December 2018 with 30 hours duration. The interested students can enroll for the course by 10<sup>th</sup> December 2018.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mr. R Mohammed Wasim	Assistant Professor
2	Mr. Sathya Prakash	Assistant Professor

*P. Lakshmi*

HOD/CE

Copy to:

1. The Principal Office
2. Notice Board
3. III B.Tech Students

*A. Prasad*  
PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC & NBA, Approved by AICTE New Delhi & Permanently Affiliated to JNTU)  
Aziz Nagar Gate, C. B. Post, Hyderabad-500 075

## Department of Civil Engineering

### Course Syllabus

Application of software's in design and drawings of Civil Engineering structures.

Able to proficiency, including the ability to use industry-standard computer software to generate 2D and 3D drawings.

- Understanding of the theory of orthographic projection and the conventions associated with Civil engineering drawings.
- Able to use BIM techniques in Revit designing
- Application of MX road software in Geometry Design

### Unit I AUTOCAD

#### Module – I: Creating a Sample Drawing, Organization of Drawing and Information (11 h)

Starting AutoCAD, AutoCAD's Screen Layout, AutoCAD's Screen Layout Working with Commands, Opening an Existing Drawing File, Saving Your Work, AutoCAD's Toolbars, Basic Drawing & Editing Commands, Drawing Lines, Creating Objects, Drawing Lines with Pedit, Drawing Rectangles, Drawing Circles, Viewing Your Drawing, Undoing and Redoing Actions.

#### Module – II: Organization of Drawing and Information

Creating and the Drawing with Layers, Creating New Drawings With Templates, Layer State, Changing an Object's Layer, Creating LAY files with Import & Export, Advanced Object Properties, Drawing Arcs, Drawing Polylines, Editing Polylines, Drawing Polygons, Drawing Ellipses, Getting Information From Your Drawing, Measuring Objects, Working with Properties, Advanced Editing Commands, Trimming and Extending, Stretching Objects, Creating Fillets and Chamfers, Offsetting Objects, Creating Arrays of Object.

#### Module – III: Drawing Setups

Layout Plotting Concepts, Creating Viewport, Setting up Layouts, Guidelines for Layout, Check Plot, Annotating the text, working with Adding Text in a Drawing, Modifying Multiline Text Formatting, Hatching, Editing Hatches, and Adding Dimensions (Ddy, Linear, Polar and Angular).

#### Module – IV Auto 3D Modelling

Introduction to the 3D Modeling Workspace, Basic 3D Viewing Tools, 3D Navigation Tools, Introduction to the UCS, Simple Solid Formation, working with Solid Primitives & Types, Mesh Models.

Creating Solids & Surfaces from 2D Objects, Complex 3D Geometry, Extruded Solids and Surfaces, Swept Solids, Revolved Solids, Lofted Solids and Advanced Solid Editing, Components of Solids, Editing Faces of Fillets and Chamfers.

Drawings from 3D Models, Creating Multiple Viewports - 2D Views from 3D Solids.

  
PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill) C.B. Post,  
Hyderabad-75



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

14-15-2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008, 2008/2009, 2009/2010, 2010/2011, 2011/2012, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2019/2020, 2020/2021, 2021/2022, 2022/2023, 2023/2024, 2024/2025

At: Nizam Road, C. B. Post, Hyderabad-500 025

## Department of Civil Engineering

### STAAD PRO

#### Module – I Introduction

Basics input of the software, Analytical aspects of structures, Code approaches and limitations.

#### Module – II Modeling

Staad Pro detail setup and Modeling of 2D frame & Truss.

#### Module – III Analysis

Analysis of 2D building frame & truss using STAAD Pro

### RIVET Architecture

#### Module – I Introduction

Understanding the purpose of Building Information Management (BIM) and how it is applied in the Autodesk Revit software. Working with the basic drawing and editing tools, creating levels and grids as datum elements for the model.

### MX Road

#### Module – I Introduction

Basic concepts, key features, new project setup – controls & working environments, Enhanced menu and GUI changes, Survey inputs and validation

#### Module – II Input Details

Element of geometry design, MX command language & Input files, all geometry and Tasks, deriving information from display (Point related, selection methods & distance dimension related)

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC & NBA, Approved by AICTE, New Delhi & Permanently Affiliated to JNTU)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500075

## Department of Civil Engineering

### Certification Course - "Core Based Placement Training on Civil Software's"

#### List of Registered Students (2018-19)

S.No.	ROLL NO.	NAME OF THE STUDENT
<b>SEMESTER-II</b>		
1	16911A0104	ANGOTH LACHIRAM
2	16911A0110	BHUKYA PRAVEEN
3	16911A0111	BODA KALYAN
4	16911A0113	CHALLA PRAVEEN KUMAR REDDY
5	16911A0115	DAKURI SAI KIRAN
6	16911A0141	N V N SANTOSHI SRIJA
7	16911A0143	P SIVA NAIK
8	16911A0144	P VARSHAD REDDY
9	16911A0144	P VARSHAD REDDY
10	16911A0146	POREDDY AMRUTHA
11	16911A0148	POTTA VARUN PATEL
12	17915A0102	ALTHURI SUMAN
13	17915A0103	AMANDU MANASA
14	17915A0104	AMEDA RAGHUNANDAN
15	17915A0105	BANDI SOWJANYA
16	17915A0110	ESLAWATH PRAVEEN
17	16911A0167	BADDAM SITARAM REDDY
18	16911A0168	BANTU CHAITHANYA KRISHNA
19	16911A0175	DEEPAK PRADHAN
20	16911A0176	DHARMENDARKUMAR MANJHI
21	16911A0181	G SREEJA REDDY
22	16911A0188	GUTHA RUTHWIKESH REDDY
23	16911A0190	JONNADA SHRAVANI
24	16911A01A8	PODELLI NIKHIL KUMAR
25	16911A01A9	PODISHETTI HARIKA
26	16911A01B1	S SATHVIKA
27	17915A0113	MAANKALI DIVYASAI
28	17915A0114	MALYALA PRIYANKA
29	17915A0115	MANDHA GANESH
30	17915A0116	MANDHATI NAVEEN
31	17915A0117	MULLANGI PRAVEEN
32	17915A0119	NENAVATH HANUMANTHU
33	17915A0120	PITTALA MOUNIKA

*A. Kumar*  
PRINCIPAL  
Vidya Jyothi Institute of Technology  
Hamayalnagar (VIII), C.B. Post,  
Hyderabad-75.

*P. Lakshmi*  
HOD/CE



**2017 – 2018**



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Accredited by AICTE, Approved by APJCT, Recognized by R.D. Government, Affiliated to JNTU  
Nizampet Gate, F. B. Road, Hyderabad 500075

## Department of Civil Engineering

VJI/CE/VAC/2017-18/02

Date: 01-12-2017

### CIRCULAR

The Department of Civil Engineering is planning to conduct "IS codes & its applications in Geotechnical Engineering" for the benefit of IV B. Tech (Semester-I) students. This could be scheduled from 05 December 2017 – 10 December 2017. The interested students can enroll for the course by 4 December 2017.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mr. G. Srinath	Assistant Professor
2	Mrs. V. Swathi	Assistant Professor

*A. Prasad*

HOD/CE

#### Copy to:

1. The Principal Office
2. Notice Board
3. III B. Tech Students

*A. Prasad*  
PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC, Approved by AICTE, New Delhi & Permanently Affiliated to JNTU)

Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## Department of Civil Engineering

### Course Syllabus

#### Objectives

Application of software's in design and drawings of Civil Engineering structures.

Able to proficiency, including the ability to use industry-standard computer software to generate 2D and 3D drawings.

- Understanding of the theory of orthographic projection and the conventions associated with Civil engineering drawings.

#### Unit 1 AUTOCAD

##### Module – I: Creating a Sample Drawing, Organization of Drawing and Information (11 h)

Starting AutoCAD AutoCAD's Screen Layout AutoCAD's Screen Layout Working with Commands Opening an Existing Drawing File Saving Your Work AutoCAD's Toolbars Basic Drawing & Editing Commands Drawing Lines Erasing Objects Drawing Lines with Polar Tracking Drawing Rectangles Drawing Circles Viewing Your Drawing Undoing and Redoing Actions.

##### Module – II: Organization of Drawing and Information

Organizing the Drawing with Layers Creating New Drawings With Templates, Layer State Changing an Object's Layer Creating LAS file with Import & Export Advanced Object Types Drawing Arcs Drawing Polylines Editing Polylines Drawing Polygons Drawing Ellipses Getting Information From Your Drawing Measuring Objects Working with Properties, Advanced Editing Commands Trimming and Extending Stretching Objects Creating Fillets and Chamfers Offsetting Objects Creating Arrays of Objects.

##### Module – III: Drawing Setups

Layout Printing Concepts, Creating Viewports Setting up Layouts Guidelines for Layouts, check Plot, Annotating the text working with Adding Text in a Drawing Modifying Multiline Text Formatting, Hatching, Editing Hatches and Adding Dimensions (like Linear, Radial and Angular)

##### Module – IV Auto 3D Modelling

Introduction to the 3D Modeling Workspace Basic 3D Viewing Tools 3D Navigation Tools Introduction to the UCS Simple Solid Formation, working with Solid Primitives & Types, Mesh Models

Creating Solids & Surfaces from 2D Objects Complex 3D Geometry Extruded Solids and Surfaces Swept Solids, Revolved Solids, Lofted Solids and Advanced Solid Editing Components of Solids Editing Faces of Fillets and Chamfers.

Drawings from 3D Models Creating Multiple Viewports - 2D Views from 3D Solids.

*A. Prasad*  
PRINCIPAL  
Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Accredited by NBA, Approved by AICTE, New Delhi & Permanently Affiliated to JNTUHQ,  
Aziz Nagar Gate, C. B. Post, Hyderabad-500 075

## Department of Civil Engineering

### STAAD PRO

#### Module – I Introduction

Basics input of the software, Analytical aspects of structures, Code approaches and limitations.

#### Module – II Modeling

Staad Pro detail setup and Modeling of 2D frame & Truss.

#### Module – III Analysis

Analysis of 2D building frame & truss using STAAD Pro

### RIVET Architecture

#### Module – I Introduction

Understanding the purpose of Building Information Management (BIM) and how it is applied in the Autodesk Revit software. Working with the basic drawing and editing tools, creating levels and grids as datum elements for the model.

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Accredited by NAAC, Approved by AICTE, New Delhi & Permanently Affiliated to JNTU  
Aziz Nagar Gate, C. B. Post, Hyderabad-500 075

## Department of Civil Engineering

### Certification Course - "Core Based Placement Training on Civil Software's"

#### List of Registered Students (2017-18)

S.No.	ROLL NO.	NAME OF THE STUDENT
<b>SEMESTER-II</b>		
1	15911A0102	A. Bharath Kumar
2	15911A0103	A. Prashanth
3	15911A0111	B. Mallesh
4	15911A0121	K. Keerthipriya
5	15911A0124	M. Vijay Vardhan
6	15911A0126	M. Surya Srichakra
7	15911A0138	Pothuraju Vamshi
8	15911A0139	P Saishashank
9	15911A0147	S. Shravani Reddy
10	15911A0150	Bhageerath Reddy
11	15911A0154	A Sai Kumar Reddy
12	15911A0160	B. Ala Sree
13	15911A0176	K Praveen Reddy
14	15911A0177	Kummari Jagadish
15	15911A0186	M. Yadamma
16	15911A0189	N. Aparna
17	15911A0191	P. Navy Sree
18	15911A0195	Patlolla Tejaswi
19	15911A01A0	R. Sravanthi
20	15911A01A2	Gopal Sarda
21	15911A01A5	T. Niharika
22	16915A0103	P. Ganesh Verma
23	16915A0104	D Gopi
24	16915A0105	G Ritesh Jain
25	16915A0106	G. Premlatha
26	16915A0110	Kasturi Chandrika
27	16915A0111	K Mallesh
28	16915A0112	Kuruva Jagadish
29	16915A0113	L Priyanka
30	16915A0113	Priyanka
31	16915A0121	Ranjeetha Dubey
32	16915A0124	Sannidi Vaishnavi
33	16915A0127	V. Bharath Reddy
34	15911A01A5	TUPIDI NIHARIKA
35	16915A0116	MITTA DIVYA

*A. Prashanth*

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.

*Arumare*  
HOD/CE



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC & ISO 9001:2015 by JCTE, UGC & AICTE) (Approved by All India Council of Technical Education)  
Himayalnagar Gate, C.B. Post, Hyderabad 500075

## Department of Civil Engineering

VJIT/CE/VAC/2017-18/02

Date: 4-01-2018

### CIRCULAR

The Department of Civil Engineering in association with UNIQUE SURVEY SOLUTIONS is planning to conduct Training on "Total station & Land Surveying Training Program" for the benefit of III B.Tech (Semester-II) students. This could be scheduled from 09 January 2018 – 13 January 2018 with 30 hours duration. The interested students can enroll for the course by 8 January 2018.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mr. S. Raghavendra	Assistant Professor
2	Mr. Ratnakar Goud	Assistant Professor

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayalnagar (Vill), C.B. Post.,  
Hyderabad-75.

HOD/CE

Copy to:

1. The Principal Office
2. Notice Board
3. III B. Tech Students



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

100-1, Himayatnagar, Hyderabad-75  
Vidya Jyothi Institute of Technology  
100-1, Himayatnagar, Hyderabad-75

## Department of Civil Engineering

### Course Syllabus

#### Course Outcomes

- CO1:** Able to Understand Principles of Total Station in Surveying
- CO2:** Understand the Fundamentals of Land Surveying & GPS
- CO3:** Understand field activity which provide real application of theoretical principles of surveying.

## Total Station & Land Surveying

### LEVEL-1

**Introduction-** Total Station in Surveying. Operations - Uses and advantages -types of Total Station - Advancement in Total Station Technology - Automatic Target Recognition ATR

**Surveying using Total Station** - Flow chart of data collection - Fundamental Parameters of Total Station - Precautions to be taken while using Total Station- Drawings and Map preparation using TS data.

### LEVEL-2

**GPS-**Fundamentals Of Land Surveying & GPS-Global Positioning System (GPS)-TS & Digital Land Surveying (Dls)- Dls& Digital Mapping (Dm)-Dm & Digital Data Manipulation (Ddm)- Digital Land Surveying And Mapping (Dls&M)

### LEVEL-3

**Integration of GPS and total station technologies-** Survey equipment advances- Survey scenarios ( Remote area – topographic survey . Rural area – boundary survey .Construction site – stakeout .Urban area – utilities survey)- Comparison with conventional traversing.

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by MAAC & NBA Approved by AICTE New Delhi & Permanently Affiliated to JNTU)  
Aziz Nagar Gate, C. B. Post, Hyderabad-500 075

## Department of Civil Engineering

Certification Course - "TOTAL STATION LAND SURVEYING TRAINING PROGRAM"

### List of Registered Students(2017-18)

S.No.	ROLL NO.	NAME OF THE STUDENT
1	15911A0102	A. Bharath Kumar
2	15911A0103	A. Prashanth
3	15911A0111	B. Mallesh
4	15911A0121	K. Keerthipriya
5	15911A0124	M. Vijay Vardhan
6	15911A0126	M. Surya Srichakra
7	15911A0138	Pothuraju Vamshi
8	15911A0139	P Saishashank
9	15911A0147	S. Shravani Reddy
10	15911A0153	V. Nishank
11	15911A0154	A Sai Kumar Reddy
12	15911A0160	B. Ala Sree
13	15911A0176	K Praveen Reddy
14	15911A0177	Kummari Jagadish
15	15911A0191	P. Navy Sree
16	15911A0195	Patlolla Tejaswi
17	15911A0199	R Saritha
18	15911A01A0	R. Sravanthi
19	15911A01A2	Gopal Sarda
20	15911A01A5	T. Niharika
21	16915A0104	D Gopi
22	16915A0105	G Ritesh Jain
23	16915A0109	K Ramu
24	16915A0110	Kasturi Chandrika
25	16915A0111	K Mallesh
26	16915A0112	Kuruva Jagadish
27	16915A0113	L Priyanka
28	16915A0116	Mitta Divya
29	16915A0121	Ranjeetha Dubey
30	16915A0124	Sannidi Vaishnavi

*A. Prashanth*

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (VIII), C.B. Post.,  
Hyderabad-75.

*Aravind*

HOD/CE



**2016 – 2017**



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by AACSB, NBA, Approved by AICTE, New Delhi & Permanently Affiliated to JNTU)  
Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

## Department of Civil Engineering

VJIT/CE/VAC/2016-17/01

Date: 15-12-2016

### CIRCULAR

The Department of Civil Engineering in association with CADD CENTRE TRAINING SERVICES is planning to conduct Civil software Training on "Core Based Placement Training on Civil Softwares" for the benefit of III B. Tech (Semester-II) students. This could be scheduled from 19 December 2016 – 23 December 2016 with 30 hours duration. The interested students can enroll for the course by 18 December 2016.

All the registered students must attend the class without fail. The following faculty members are assigned to handle the course as instructors.

S.No.	Name	Designation
1	Mr. G. Srinath	Assistant Professor
2	Mr. Sairam	Assistant Professor

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.

HOD/CE

Copy to:

1. The Principal Office
2. Notice Board
3. III B. Tech Students



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

(Accredited by UAC & NBA, Approved by All 15 New Delhi & Permanently Affiliated to MTRU)  
Ariz Nagar Gate, C. B. Post, Hyderabad-500 075

## Department of Civil Engineering

### Course Syllabus

#### Course Objectives

Application of software's in design and drawings of Civil Engineering structures.

Able to proficiency, including the ability to use industry-standard computer software to generate 2D and 3D drawings.

- Understanding of the theory of orthographic projection and the conventions associated with Civil engineering drawings.

### Unit 1 AUTOCAD

#### Module – I: Creating a Sample Drawing, Organization of Drawing and Information (11 h)

Starting AutoCAD AutoCAD's Screen Layout AutoCAD's Screen Layout Working with Commands Opening an Existing Drawing File Saving Your Work AutoCAD's Toolbars Basic Drawing & Editing Commands Drawing Lines Erasing Objects Drawing Lines with Polar Tracking Drawing Rectangles Drawing Circles Viewing Your Drawing Undoing and Redoing Actions.

#### Module – II: Organization of Drawing and Information

Organizing the Drawing with Layers Creating New Drawings With Templates, Layer State Changing an Object's Layer Creating LAS file with Import & Export Advanced Object Types Drawing Arcs Drawing Polylines Editing Polylines Drawing Polygons Drawing Ellipses Getting Information From Your Drawing Measuring Objects Working with Properties Advanced Editing Commands Trimming and Extending Stretching Objects Creating Fillets and Chamfers Offsetting Objects Creating Arrays of Objects.

#### Module – III: Drawing Setups

Layout Printing Concepts. Creating Viewports Setting up Layouts Guidelines for Layouts check Plot. Annotating the text working with Adding Text in a Drawing Modifying Multiline Text Formatting, Hatching, Editing Hatches and Adding Dimensions (like Linear, Radial and Angular).

#### Module – IV Auto 3D Modelling

Introduction to the 3D Modeling Workspace Basic 3D Viewing Tools 3D Navigation Tools Introduction to the UCS Simple Solid Formation, working with Solid Primitives & Types, Mesh Models

Creating Solids & Surfaces from 2D Objects Complex 3D Geometry Extruded Solids and Surfaces Swept Solids, Revolved Solids, Lofted Solids and Advanced Solid Editing Components of Solids Editing Faces of Fillets and Chamfers.

Drawings from 3D Models Creating Multiple Viewports - 2D Views from 3D Solids.

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Approved by U.P.E. & C.E. & approved by A.P. State Council of Educational Research & Training (APSCERT)  
Aziz Nagar Gate, T. R. Post, Hyderabad-500 075

## Department of Civil Engineering

### STAAD PRO

#### Module – I Introduction

Basics input of the software, Analytical aspects of structures, Code approaches and limitations.

#### Module – II Modeling

Staad Pro detail setup and Modeling of 2D frame & Truss.

#### Module – III Analysis

Analysis of 2D building frame & truss using STAAD Pro

A handwritten signature in blue ink, appearing to read "A. Kumar".

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.,  
Hyderabad-75.



# Vidya Jyothi Institute of Technology

(An Autonomous Institution)

Department of Civil Engineering

Department of Civil Engineering

Certification Course - "Core Based Placement Training on

Civil Software's"

## List of Registered Students (2016-17)

S.No.	ROLL NO.	NAME OF THE STUDENT
SEMESTER-II		
1	14911A0104	AYENGULA AKHILA REDDY
2	14911A0105	BADAVATH SRINIVAS
3	14911A0123	K P DIVYA
4	14911A0124	K SRAVAN KUMAR
5	14911A0125	K SURESH
6	14911A0127	KAMTAMPALLI SUMIYA
7	14911A0128	Kanapuram Pradeep Reddy
8	14911A0129	KARINGULA VINAY GOUD
9	14911A0130	Konde Santhosh Yadav
10	14911A0131	KONDURI SREEVANI
11	14911A0132	KOWKUNTALA RAMA KRISHNA REDDY
12	14911A0134	M. Bhuvanewari
13	14911A0135	M. Praveen
14	14911A0136	MANGLARAPU SUHAS
15	14911A0137	Marri Umakanth Reddy
16	14911A0138	MENTA MAHESH
17	14911A0139	MUNAVATH MAHESH
18	14911A0140	N SATISH
19	14911A0141	N. Uday Bhaskar
20	14911A0142	Nidiginti Tulasi ram
21	14911A0144	P. Shashi Kumar Reddy
22	14911A0145	PALEPU PREMRAJ
23	14911A0146	PILLI NAVEEN KUMAR
24	14911A0147	Police Manikanta Reddy
25	14911A0148	PONNAM NAVEEN KUMAR
26	14911A0149	POTHARLA VINOD KUMAR
27	14911A0150	Pustakala Harish
28	14911A0151	SAGGURTHI PULLA RAO

*A. Prasad*

PRINCIPAL

Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C.B. Post.;  
Hyderabad-75.

*Abangere*

HOD/CE