



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited A++ Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

**School of Building and Environment
Department of Civil Engineering**

1.3.3 List of Value-Added Courses conducted – 2023-2024

S.No.	Dates	Name of the Course	Duration (hours)	No. of Students	Page No.
1.	11.09.2023 to 23.09.2023	Computer Aided Drafting and 3D Modelling with Vastu	60	85	2
2.	12.04.2023 to 27.04.2023	Tekla Structures	30	70	8


(S. PACKIALAKSHMI)

HOD/CIVIL

HEAD OF THE DEPARTMENT
DEPARTMENT OF CIVIL ENGINEERING
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

1. Value Added Course on Computer Aided Drafting and 3D Modelling Brochure

The brochure features a blue and green background with a circuit-like pattern. At the top left is the Sathyabama Institute logo. The main title 'SATHYABAMA' is in large, bold, blue letters, followed by 'INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY)' and the website 'www.sathyabama.ac.in'. To the right is a circular logo for 'QUALITY SYSTEM CERTIFICATION DNV-GL ISO 9001:2015'. Below these are logos for 'NBA NATIONAL BOARD OF ACCREDITATION', 'AACSB', 'nirf NATIONAL INSTITUTIONAL RATING FRAMEWORK', and 'QS STARS RATING SYSTEM'. The central text reads 'SCHOOL OF BUILDING AND ENVIRONMENT DEPARTMENT OF CIVIL ENGINEERING ORGANIZES VALUE ADDED COURSE'. A white box contains 'COMPUTER AIDED DRAFTING AND 3D MODELING WITH VASTU'. Below this, three boxes provide details: 'DATE : 11.09.23 TO 23.09.23', 'IN ASSOCIATION WITH JK CAD INFOTECH', and 'TIME : 09.00AM TO 03.15PM'. A final box at the bottom states 'Venue : Seminar Hall, Civil Dept'. The bottom section lists 'CHIEF PATRONS' (Dr. Mariazeena Johnson, Dr. Marie Johnson, Mr. J. Arul Selvan, Ms. Maria Bernadetta Tamilarasi, Ms. Maria Catherine Jayalriya), 'PATRONS' (Dr. T. Sasipraba, Dr. Devyani Gangopadhyay), 'CONVENERS' (Dr. S. Packialakshmi, Dr. R. Padmapriya), and 'COORDINATORS' (Dr. R. Nirmala, Dr. B. Priyadharshini, Dr. P. Eshanthini).

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in

**SCHOOL OF BUILDING AND ENVIRONMENT
DEPARTMENT OF CIVIL ENGINEERING
ORGANIZES
VALUE ADDED COURSE**

COMPUTER AIDED DRAFTING AND 3D MODELING WITH VASTU

DATE : 11.09.23 TO 23.09.23

**IN ASSOCIATION WITH
JK CAD
INFOTECH**

TIME : 09.00AM TO 03.15PM

Venue : Seminar Hall, Civil Dept

CHIEF PATRONS
Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Mr. J. Arul Selvan, Vice President
Ms. Maria Bernadetta Tamilarasi, Vice President
Ms. Maria Catherine Jayalriya, Vice President

PATRONS
Dr. T. Sasipraba, Vice Chancellor
Dr. Devyani Gangopadhyay, Dean,
Building and Environment

CONVENERS
Dr. S. Packialakshmi, Head, Dept. of Civil
Dr. R. Padmapriya, Head, Dept. of Civil

COORDINATORS
Dr. R. Nirmala, Assoc. Prof, Civil
Dr. B. Priyadharshini, Asst. Prof, Civil
Dr. P. Eshanthini, Asst. Prof, Civil

Course Content

Computer Aided Drafting and 3D Modelling with Vasu

Date	Contents
11.09.2023	Introduction to building drawings-Unit & Limits setting - Draw tools – Modify tools - Hands on Practices with exercises.
12.09.2023	Document Reading - Building Scheme drawings –Vastu - Hands on Practices with Exercises.
13.09.2023	Block - Tool palette - Design center – Hatch – Layer - Text-Dimension - Object Properties - Title bar Hands on Practices with exercises.
14.09.2023	Building Approval Drawings – Plan, Section and Elevation - Hands on Practices With exercises.
15.09.2023	Print- Plot – Report Generation – Hands on practices to make Blue Print copy
16.09.2023	Introduction to 3D modelling-Importing CAD file- Project units –level creation - Wall creation –Door & Windows – Floor creation – Components – Roof creation -Hands on Practices with exercises.
18.09.2023	Paintings – Exterior Elevation designing –Multiple floor creation - Hands on Practices with exercises.
19.09.2023	Staircase manual calculation –Stair creation – lighting – camera – walk through
20.09.2023	Material takeoff & Schedules – Rendering – Print – Plot –Report generation – Schedules – Export commands.
21.09.2023	Hands on Practices with different residential buildings exercises.
22.09.2023	Vastu application in the planning of Building Construction
23.09.2023	Hands on Practices with exercises – Project Presentation

Value Added Course
Computer Aided Drafting and 3D Modeling with Vastu
List of Participants

S.No.	Register No.	Student Name
1.	43200001	A Ajay
2.	43200002	Allan Benedict A
3.	43200004	Ganesh A
4.	43200005	Mervin Joseph R
5.	43200006	Muthukumaran M
6.	43200007	Sanjay Sreekanth J T
7.	43200008	Sanjay V
8.	43200010	Sujit Ganapathy R
9.	43200011	Vignesh V
10.	43200012	Vinoth Raj .V
11.	43200013	Krishna Prasad V
12.	43200017	Sachin. K
13.	43200019	Jai Akash M
14.	43200021	Kishore. J
15.	43200024	Praveen Raja Manickam. R
16.	43200030	Adhithya M
17.	43200031	Somnath P
18.	43200032	Chavalam Ananya
19.	43200033	R Rohith
20.	43200034	K Richard Raj
21.	42200001	Abilash S E
22.	42200002	Anstin Roy. J. S.
23.	42200003	Ashwinramkumar R J
24.	42200004	Dhanush M K
25.	42200005	Eraianbu.E
26.	42200006	Gowtham Satheesh
27.	42200007	Karthika C
28.	42200008	Lalith Chockalingam T
29.	42200009	Manimegalai A
30.	42200010	Mohammad Yusuf A
31.	42200011	Oviya R
32.	42200012	Pon Muthu Selvan M
33.	42200013	Praveena M
34.	42200014	Pugazhenthir . M
35.	42200016	Rithish Bobby
36.	42200017	Vinayagamoorthis S
37.	42200018	Sakthivel R.
38.	42200020	Siva Magesh V
39.	42200021	Sophia Jasmine U
40.	42200023	Sunil Kumar. M
41.	42200024	Surya V
42.	42200025	Thiruselvan . M

43.	42200026	Yoganathan T
44.	41200001	Akshay Justin J
45.	41200002	Allan G Raj
46.	41200003	Ameen Abdul Rasheed
47.	41200004	Amergin Ashath Libins T
48.	41200005	Bimanadi Purna Chandra Kalyan
49.	41200007	Devananda B
50.	41200008	Dhiraj Kumar
51.	41200009	Irshath S
52.	41200010	Jai Sriram S
53.	41200011	Jayalakshmi N
54.	41200012	John Bhosco A
55.	41200013	Kamalakannan V
56.	41200014	Kamesh S
57.	41200015	Karthikeyan P
58.	41200016	Katravath Srishanth
59.	41200017	Kiran Raj V
60.	41200018	Kurmapu Sarayu
61.	41200019	Lavanya V
62.	41200020	Malla Vijaya Venkata Satish
63.	41200022	Medapati Srinivasa Satyanarayana Reddy
64.	41200023	Muthukumar G
65.	41200024	Naren N
66.	41200025	Natta Charan Raj
67.	41200026	Panibhate Sai Rahul
68.	41200027	Polnati Vikas
69.	41200028	Ramarajiyapathi S
70.	41200029	Rohith Singh B
71.	41200030	Sanjai Kumar R
72.	41200031	Sridharan D
73.	41200032	Tharun Kumar A
74.	41200033	Thayanithi S
75.	41200034	Vallela Sunny Jagan Mohan Reddy
76.	41200035	Vasantha Kumar R
77.	41200036	Vishwa Murugan
78.	41200037	Yashvanth R
79.	41200038	A N Vardhan Naga Sai
80.	41200701	Ankit Kumar
81.	41200702	Balaji M
82.	41200703	Ganesh M
83.	41200704	Hariharan T
84.	41200705	Utkarsh Pandey
85.	41200706	Shaik Waseem Akram

Course Outcomes

The theory and practical sessions on softwares are;

- AutoCAD
- Revit 3D modelling
- Quantity take-off software
- Vastu

This Training program has provided the exposure to students on the applications of industrial needs in the construction.

Photos during the Session





SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
ACCREDITED WITH GRADE "A++" BY NAAC
CATEGORY - 1 UNIVERSITY BY UGC



**JK CAD
INFO TECH**

CERTIFICATE OF COMPLETION

proudly presented to

NATTA CHARAN RAJ

This certificate is awarded for successful completion of the value added course on Computer Aided Drafting and 3D Modeling with Vastu conducted at the Department of Civil Engineering, Sathyabama Institute of Science and Technology in association with JK CAD INFO TECH from 11.09.2023 to 23.09.2023.

COURSE TRAINER
JK Cad Info Tech

COURSE COORDINATOR
Department of Civil Engineering

HEAD OF THE DEPARTMENT
Department of Civil Engineering

2. Value Added Course on Tekla Structures

Brochure

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)
Accredited with "A" Grade by NAAC | Approved by AICTE

   

School of Building and Environment
Department of Civil Engineering
Organizes
Certificate Course on
TEKLA STRUCTURES
DATE: 11.03.2024 - 16.03.2024
TIME: 9.00 A.M TO 3.15 P.M.

Mr. C.MAGENDIRAN,
CADD INDIA RESEARCH AND DEVELOPMENT,
VADAPALANI

Venue : Seminar Hall – First Floor – Civil Department

Chief Patrons	Patrons	Conveners
Dr. Mariazeena Johnson Chancellor	Dr.T.Sasipraba Vice Chancellor	Dr.R.Padmapriya HOD Civil
Dr.Marie Johnson President	Dr.E.Logashanmugam Pro Vice Chancellor	Dr.S.Packialakshmi HOD Civil
Mr.J.Arul selvan Vice President	Dr.S.S.Rao Registrar	
Ms.Maria Bernadette Tamilarasi Vice President	Dr.G.Sudari Director Administration	
Ms.Maria Catherine Jayapriya Vice President	Dr. Devyani Gangopadhyay Dean- Building and Environment	

Course Contents

Date	Tekla topics	Duration
11.03.2024	Introduction about Tekla, introduction about steel and concrete structure, introduction about Indian standards & UK standards, introduction about precasting, explain about Tekla structures setup, create new model, unit settings & orientation mark, explain about view properties, explain about grid properties, basic column and beam placing, Column properties & beam properties, snapping, selecting, create view of models, create view of part, view list, set work plane, fit work area	5 hrs.
12.03.2024	Move, rotate, copy special, move special, split, combine, add gridline, add construction line, add point, create curved beam, create poly beam, and create plate. Explain about component and catalog, create component – base plate (picture, part, parameters, general, bolts, anchor rods, extra plates	5 hrs.
13.03.2024	End plate (plates, stiffeners, haunch, bolts, holes) Shear plates (plates, stiffeners, notch, bolts, beam cut), Gussets (bolts gussets, brace middle, simple, center brace tube, tube gusset, wind brace connection)	5 hrs.
14.03.2024	Clip angle, splice, stiffeners, Haunch, apex haunch, eaves haunch, cranked beam, Define custom component, define custom profile, BOQ	5 hrs.
15.03.2024	Stairs, ladder and railing Drawing and drafting, numbering, general arrangement drawing properties (view, dimensions, objects, marks and others) create general arrangement drawings view create, Detailing, part corner, part edge, cut part,	5 hrs.
16.03.2024	Detailing, part corner, part edge, cut part, Concrete design (column, beam, slab and wall) Create reinforcement, reinforcing bar, curved reinforcing bar, circular reinforcing bar, reinforcing splice, reinforcement mesh Reinforcement and strands	5 hrs.

Course outcomes:

At the end of this course, students will be able to

- a) Gain knowledge in Tekla software, Indian standards and UK standards
- b) Modelling and analysis of beam column joints

Value Added Course – Tekla Structures

Participants List

S.No.	Reg. No.	Student Name
1	43380001	Arun S Kumar
2	43380002	Sathish R.V
3	43380003	Naveen Kumar K
4	43380004	Naveen Santhana Raj J
5	43380005	Rohith P
6	43380006	Mohammad Sadiq Faizee K.M
7	43380007	Tamizh A S
8	40200001	Abhiram Pradeep
9	40200002	Agalya. S
10	40200006	Lingeshwaran. R
11	40200007	Mithulkiruthik. S.K
12	40200008	Nasser Hussain. J
13	40200009	Pranav Anand. P
14	40200011	Sri Hariharan. M
15	40200012	Srinivasa Saketh. R
16	40200013	Thirumal Varnan. A
17	40200014	Tippireddy Suchith Reddy. T
18	40200015	Vishnu Datha. B
19	40200016	Vishnupriya. S
20	40200018	Rifayudeen. T
21	40200019	Hariharan. M
22	40200702	Surya Krishnan.R
23	40200703	Guddati Sarath Chandra
24	40200704	Kandhula Manoj
25	40200705	Sidhu. S
26	40200706	Ajai Kishore. M
27	40200709	Shivaram Himalayan. Goud
28	40200712	Konduru Lakshman Kumar
29	41200001	Akshay Justin J
30	41200002	Allan G Raj
31	41200003	Ameen Abdul Rasheed
32	41200004	Amergin Ashath Libins T
33	41200005	Bimanadi Purna Chandra Kalyan
34	41200007	Devananda B
35	41200008	Dhiraj Kumar
36	41200009	Irshath S
37	41200010	Jai Sriram S
38	41200011	Jayalakshmi N
39	41200012	John Bhosco A
40	41200013	Kamalakannan V
41	41200014	Kamesh S
42	41200015	Karthikeyan P

43	41200016	Katravath Srishanth
44	41200017	Kiran Raj V
45	41200018	Kurmapu Sarayu
46	41200019	Lavanya V
47	41200020	Malla Vijaya Venkata Satish
48	41200022	Medapati Srinivasa Satyanarayana Reddy
49	41200023	Muthukumar G
50	41200024	Naren N
51	41200025	Natta Charan Raj
52	41200026	Panibhate Sai Rahul
53	41200027	Polnati Vikas
54	41200028	Ramarajiyapathi S
55	41200029	Rohith Singh B
56	41200030	Sanjai Kumar R
57	41200031	Sridharan D
58	41200032	Tharun Kumar A
59	41200033	Thayanithi S
60	41200034	Vallela Sunny Jagan Mohan Reddy
61	41200035	Vasantha Kumar R
62	41200036	Vishwa Murugan
63	41200037	Yashvanth R
64	41200038	A N Vardhan Naga Sai
65	41200701	Ankit Kumar
66	41200702	Balaji M
67	41200703	Ganesh M
68	41200704	Hariharan T
69	41200705	Utkarsh Pandey
70	41200706	Shaik Waseem Akram



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)



CERTIFICATE OF COMPLETION

This certificate is awarded to **AMERGIN ASHATH LIBINS T**
for successfully completed the hands-on training in the value added course
on **Tekla** conducted at the **Department of Civil Engineering**, School of
Building & Environment, **Sathyabama Institute of Science and technology**,
Chennai in association with CADDINDIA Research and Development
for a duration of 30 hrs between 11 March 2024 to 18 March 2024.

Course Trainer
CADDINDIA R&D

Course Coordinator
Dept. of Civil Engg.

Head of the Department
Dept. of Civil Engg.



Photos during the Session

