SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University)

146 /4B1, Amaravathi Village,
Amaravathipudur (Po.),
Karaikudi — 630 301.
Ph : 04565 — 234230 / 326132

Fax   : 04565 — 234430
Mobile : 73737 11322, 73737 11333
E-mail : srrcet2010@gmail.com
Website: www.raajaraajan.org

DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP REPORT

ABOUT THE WORKSHOP

- A workshop, in general, is a gathering in which a group of people with interests, expertise, or professions in a particular field, are actively involved in intensive discussion and research on a specific topic or project.

- Workshops provide a chance to interact with experts from the specific field.

- Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.

VISION

Serving as a Fountainhead of higher learning, with the mission of taking the light of knowledge to the depth of darkness and uplifting the humblest and simplest of the community by providing education, the greatest world treasure, and through earnestly striving for continuous improvement, this institution intends to promote educational inclusion among a broad spectrum of unreached rural youths by functioning as a Centre of Excellence.

MISSION

Keeping quality as its Watchword Sri Raaja Raajan College of Engineering and Technology is a classic example of public-private academic partnership.

• The college intends to offer programmes with inbuilt state-of-the-art courses at the undergraduate level in the first phase to fulfill the requirement of trained manpower in technology.

• To produce exceptionally competent professionals through personalized teaching and graduates who are ethically upright and educationally bright to render service of global standards.

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

<div align="center">

DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP REPORT

</div>

OBJECTIVES

• The purpose of a workshop is to create a space in which a group of people can meet to discuss questions, brainstorm ideas, identify problems, make decisions and develop solutions.

• This space often doesn't exist in the busy schedule of day-to-day work.

• Workshops provide a chance to interact with experts from the specific field.

• Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.

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Sivagangai Dist. Tamil Nadu

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Sivagangai Dist. Tamil Nadu

SRI RAAJA RAAJAN

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi -630 301

TWO DAYS WORKSHOP ON

REVIT ARCHITECTURE
(18-09-2017 TO 19.09.2017)

RESOURCE PERSON

Mr.S.KARPAGAMOORTHY
Cheif Executive, Cadd Desk,
Karaikudi.

PATRON

Dr.AL.MAYILVAHANAN
Principal, Sri Raaja Raajan College
Of Engineering & Technology

CONVENER

RASHED KHAN I
H.O.D Of CIVIL,
Sri Raaja Raajan College
Of Engineering & Technology

COORDINATOR

SUBRAMANIYAN.R
AP / CIVIL,
Sri Raaja Raajan College
Of Engineering & Technology

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a Technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

COURSES OFFERED

UG Programme

- B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

PG Programme

- M.E.(Computer Science & Engineering)
- M.E (Structural Engineering)
- M.E (Manufacture Engineering)

THE DEPARTMENT

The Department of CIVIL was started in the year 2010 and offers B.E degree programme.The departments has various laboratories and well-qualified and experienced faculty. The departments have MoU signed with leading companies.

ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept.
- Better understanding the requirement for a specific technology.

COURSE CONTENT

- Introduction of Revit Software
- Advanced Modeling Commands
- Mass modeling.
- Object creation Basic to Advanced
- Detail explanation about screen interface

RESOURCE PERSONS

Mr.S.KARPAGAMOORTHY
Chief Executive, Cadd Desk,
Karaikudi .

REGISTRATION FORM

WORKSHOP ON

Revit Architecture

ORGANISED BY
CIVIL ENGINEERING DEPARTMENT
18.09.2017 to 19.09.2017

Name   :

Designation   :

Institution   :

Male/Female   :

Educational Qualifications:

Experience   :

Mailing Address   :

Phone   :

Fax   :

Email   :

Accommodation required: Yes/ No

Details of Registration fee

DD No.   :

Dated   :

Drawn on   :

2

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. ....

working in our Institute as........................

is sponsored to attend the Workshop and will be

relived, if selected

Signature of the
Sponsoring Authority

Date:

Place:

Seal:

MAILING ADDRESS:

RASHED KHAN I,

Head, Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
Amaravadipudur (PO),
karaikudi - 630301.
Tamil Nadu. India.

Mail-ID: srrcet2010@gmail.com
Mobile :7339570518

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Chairman, Sri Muthumari Educational Trust.

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Principal,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

CONVENER
RASHED KHAN I
Head ,Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

COORDINATOR
Mr.R.SUBRAMANIYAN
AP / CIVIL
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

REGISTRATION
Students(UG/PG): Rs.400 /-
Faculty: Rs.600/-
Research Scholars: Rs.800/-
Last Date for Registration:
Intimation of selection:

WORKSHOP ON

Revit Architecture

Organized by

DEPARTMENT OF CIVIL ENGINEERING

18.09.2017 to 19.09.2017
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING&TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravadipudur, Karaikudi- 630301.Phone:
7373711343
Email: srrcet2010@gmail.com
Website: www.sriraajaraajan.in

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
Amaravathipudhur, Karaikudi

Department of Civil Engineering

REPORT FOR WORKSHOP

Title	Two Days Workshop on Revit Architecture
Duration	18.09.2017 and 19.09.2017
Conducted by	CADDESK, Karaikudi
Number of students participated	85

REVIT ARCHITECTURE

Autodesk Revit is a building information modelling software tool for architects, landscape architects, structural engineers, mechanical, electrical, and plumbing (MEP) engineers, designers and contractors. The original software was developed by Charles River Software, founded in 1997, renamed Revit Technology Corporation in 2000, and acquired by Autodesk in 2002. The software allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database. Revit is 4D building information modeling application capable with tools to plan and track various stages in the building's lifecycle, from concept to construction and later maintenance and/or demolition.

The Revit work environment allows users to manipulate whole buildings or assemblies (in the project environment) or individual 3D shapes (in the family editor environment). Modeling tools can be used with pre-made solid objects or imported geometric models. However, Revit is not a NURBS modeller and also lacks the ability to manipulate an object's individual polygons except on some specific object types such as roofs, slabs, and terrain or in the massing environment.

Revit includes categories of objects ('families' in Revit terminology). These fall into three groups:

- System families, such as walls, floors, roofs, ceilings, major finishes, and even furniture built inside a project
- Loadable families/components, which are built with primitives (extrusions, sweeps, etc.). separately from the project and loaded into a project for use
- In-place families, which are built in-situ within a project with the same toolset as loadable components

An experienced user can create realistic and accurate families ranging from furniture to lighting fixtures, as well as import existing models from other programs. Revit families can be created as parametric models with dimensions and properties. This lets users modify a given component by changing predefined parameters such as *height*, *width* or *number* in the case of an array. In this way a *family* defines a geometry that is controlled by parameters, each combination of parameters can be saved as a *type*, and each occurrence (instance in Revit) of a *type* can also contain further variations. For example, a swing door may be a Family. It may have types that describe different sizes, and the actual building model has instances of those types placed in walls where instance-based parameters could specify the door hardware uniquely for each occurrence of the door.

Although Revit software comes with a range of families out of the box (OOTB), they are limited, so users may find a need to build their own families or buy them from online stores.

Because of copyright issues in project work, fully 3D-modeled Revit project models are rarely for sale. Indeed, as most projects are site-specific and bespoke, the demand for existing models is light anyway. However, new practices or students of Revit may want to refer to completed models. There are a few sources for these, including websites such as BIMGallery and GrabCad.

Multiuser Collaboration

Since version 4.0 Revit enables multiple users to work on the same building model. The workflow is similar to the use of a version control system in software engineering, that allows multiple developers to reliably collaborate on a common code base. Each Revit user works on a local copy of the design, periodically checking in the work into the central repository. New user starts with creating a local copy of this repository. When a user starts modifying some building elements, these elements get automatically locked, preventing others from modifying them. The locks are maintained in the central repository. The elements stay locked until the "borrower" checks in her

work and releases the locks. Patented technology called "worksharing" allows Revit to minimize the set of elements being locked while allowing change propagation engine to update as many elements as needed, including the elements that are not locked. Revit typically avoids merge conflicts during check-in.

In early Revit versions the central repository has been a folder on LAN. This option is still available and appropriate for co-located design team. Since 2013 Autodesk also offers hosted cloud-based central repositories for Revit as a service.

Rendering

When a user creates a building, model, or any other kind of object in Revit, they may use Revit's rendering engine to make a more realistic image of what is otherwise a very diagrammatic model. The user accomplishes this either by using the premade model, wall, floor, etc., tools, or making their own models, walls, materials, etc. Revit 2010 comes with a plethora of predefined materials, each of which can be modified to the user's desires. The user can also begin with a "Generic" material. With this, the user can set the rotation, size, brightness, and intensity of textures, gloss maps (also known as shinemaps), transparency maps, reflection maps, oblique reflection maps, hole maps, and bump maps, as well as leaving the map part out and just using the sliders for any one (or all or none) of the aforementioned features of textures.

Cloud-based rendering with the experimental plug-in dubbed Project Neon, located on Autodesk Labs is in the beta phases and allows for the user to render their images through their Autodesk account instead of locally through their own computers. Revit models may also be linked directly into Autodesk 3ds Max (release 2013 and later) for more advanced rendering and animation projects with much of their material and object information maintained.

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Fax   04565 234430
Mobile 73737 11322, 73737 11333
E-mail srree2010@gmail.com
Website www.raajaraajan.org

WORKSHOP: REVIT ARCHITECTURE– 18.09.2017

PRINCIPAL
Sivaganga Dist. Tamil Nadu.
Amaravathipudur, Karaikudi - 630 301
Sri Raaja Raajan College of Engg. & Tech
PRINCIPAL

S.NO	NAME	YEAR	DEPARTMENT	SIGNATURE
1	AHAMED AASHIK A	FINAL	CIVIL	
2	AJEETHKUMAR T	FINAL	CIVIL	
3	AJITHKUMAR S	FINAL	CIVIL	
4	AL AMEEN.M	FINAL	CIVIL	
5	ANANTHARAJ.V	FINAL	CIVIL	
6	ANISHKUMAR.S	FINAL	CIVIL	
7	ATCHAYAA.N	FINAL	CIVIL	
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27	SASIKUMAR.R	FINAL	CIVIL	
28	SEBASTIN MARTIN.A	FINAL	CIVIL	
29	SELVARANI	FINAL	CIVIL	
30	SEVUGAMOORTHIY.V	FINAL	CIVIL	
31	ARUN KUMAR.S	FINAL	CIVIL	
32	CHANDRAMURUGAN.A	FINAL	CIVIL	
33	KARTHIK.S	FINAL	CIVIL	
34	LAKSHMI PRIYANGA.A	FINAL	CIVIL	
35	MANIKANDA PRABHU.M	FINAL	CIVIL	
36	MATHIYARASAN.G	FINAL	CIVIL	
37	MUTHUKUMAR.S	FINAL	CIVIL	
38	PANDI.K	FINAL	CIVIL	
39	PRIYANKA.S	FINAL	CIVIL	
40	RAJAKUMARAN.S	FINAL	CIVIL	
41	AJAY VARMA.V	FINAL	CIVIL	
42	MANIMUTHU.M	FINAL	CIVIL	
43	PRADEEP.K	FINAL	CIVIL	
44	KARTHIKEYAN.B	FINAL	CIVIL	
45	KARVANNAN	FINAL	CIVIL	

46	KAVIYARASU.M	FINAL	CIVIL	
47	KEERTHIKA.K	FINAL	CIVIL	
48	KOWSALYA	FINAL	CIVIL	
49	MAARESWARAN.M	FINAL	CIVIL	
50	MAHESWARAN.S	FINAL	CIVIL	
51	MANIKANDAN.A	FINAL	CIVIL	
52	MARIMUTHU.R	FINAL	CIVIL	
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55	RAJESWARI.KS	FINAL	CIVIL	
56	RAMKUMAR.T	FINAL	CIVIL	
57	SINDHU.A	FINAL	CIVIL	
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64	VIJAYCHANDRAN	FINAL	CIVIL	
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66	VIRUMANDI	FINAL	CIVIL	
67	MATHAN KUMAR.U	FINAL	CIVIL	
68	PRASANNA	FINAL	CIVIL	
69	RAJESH.R	FINAL	CIVIL	
70	SAKTHIVAEL.R	FINAL	CIVIL	
71	SATHISH KUMAR.H	FINAL	CIVIL	
72	SHEIKABDULLAH	FINAL	CIVIL	
73	SIVASAKTHIRAMAN.M	FINAL	CIVIL	
74	SUBASH.M	FINAL	CIVIL	
75	SUTHAKAR.R	FINAL	CIVIL	
76	UDHAYAPRAKASH.R	FINAL	CIVIL	
77	UMASANKAR.M	FINAL	CIVIL	
78	VAIRAVANATHAN.C	FINAL	CIVIL	
79	VIJAY.P	FINAL	CIVIL	
80	VIMALSTALIN.J	FINAL	CIVIL	
81	RAMESH.K	FINAL	CIVIL	
82	PRAKASH.G	FINAL	CIVIL	
83	ARAVINDA KUMAR	FINAL	CIVIL	
84	MONISHA MANJU S	FINAL	CIVIL	
85	VINOTH R	THIRD	CIVIL	

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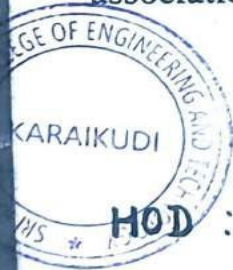Sivaganga ... ...mil Nadu

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SRI RAAJA RAAJAN

COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur,Karaikudi -630 301

THE PARTICIPATION / PRESENTED

This Certificate is Awarded to

Mr / Ms ANANTHARAJ. V

for extending her overwhelming support in offering extraordinary training for Student/faculty
Workshop on " REVIT ARCHITECTURE " orgainzed by Department of Civil Engineering in
association with   SRRCET,   Karaikudi. DATE : 18.09.2017 TO 19.09.2017

HOD :

PRINCIPAL :

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.
Amaravathipudur, Karaikudi-630 301
Sivaganga

SRI RAAJA RAAJAN

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Sivagangai Dist. Tamil Nadu

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KARAIKUDI

HOD :

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THE PARTICIPATION / PRESENTED

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Mr/Ms. S.UBASH. M.

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KARAIKUDI

HOD :

PRINCIPAL :

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ABOUT SRRCT

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- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

PG Programme

- M.E.(Computer Science & Engineering)
- M.E (Structural Engineering)
- M.E (Manufacture Engineering)

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ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept.
- Better understanding the requirement for a specific technology.

COURSE CONTENT

- What is GIS and Remote sensing
- How do GIS and Remote sensing work together
- What is the qualification for GIS course

RESOURCE PERSONS

Dr.M.MUTHUKUMAR
Assistant Professor
Director incharge
Center for Geo Informatics
Gandhigram Rural Institute

REGISTRATION FORM

WORKSHOP ON

Remote Sensing & GIS

ORGANISED BY
CIVIL ENGINEERING DEPARTMENT
07.01.2019

Name :

Designation :

Institution :

Male/Female :

Educational Qualifications:

Experience :

Mailing Address :

Phone :

Fax :

Email :

Accommodation required: Yes/ No

Details of Registration fee

DD No. :

Dated :

Drawn on :

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. ………………………………..

working in our Institute as……………………

is sponsored to attend the Workshop and will be

relived, if selected

Signature of the
Sponsoring Authority

Date:

Place:

Seal:

MAILING ADDRESS:

RASHED KHAN I,

Head, Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
Amaravadipudur (PO),
karaikudi - 630301.
Tamil Nadu. India.

Mail-ID: srrcet2010@gmail.com
Mobile :7339570518

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Chairman, Sri Muthumari Educational Trust.
Dr.S.SUBBIAH
Advisor, Sri Muthumari Educational Trust

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ENGINEERING & TECHNOLOGY.

CONVENER
RASHED KHAN I
Head ,Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

COORDINATOR
Dr.R.BALAMURUGAN
PROFESSOR
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

REGISTRATION
Students(UG/PG): Rs.300 /-
Faculty: Rs.400/-
Research Scholars: Rs.600/-
Last Date for Registration:
Intimation of selection :

WORKSHOP ON

Remote Sensing & GIS

Organized by

DEPARTMENT OF CIVIL ENGINEERING

07.01.2019
SRI RAAJA RAAJAN COLLEGE OF
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7373711343
Email: srrcet2010@gmail.com
Website: www.sriraajaraajan.in

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
Amaravathipudhur, Karaikudi

Department of Civil Engineering

REPORT FOR WORKSHOP

Title	One Day Workshop on Remote Sensing and GIS
Duration	07.01.2019
Conducted by	Mr.Muthukumar M
Number of students participated	60

REMOTE SENSING AND GIS

ArcGIS offers unique capabilities and flexible licensing for applying location-based analytics to your business practices. Gain greater insights using contextual tools to visualize and analyze your data. Collaborate and share via maps, apps, dashboards and reports.

Spatial Analysis & Data Science

Connect the seemingly disconnected with the most comprehensive set of analytical methods and spatial algorithms available. Use location as the connective thread to uncover hidden patterns, improve predictive modeling, and create a competitive edge. Leverage the power of spatial analysis and data science on demand and at scale with the Esri Geospatial Cloud.

Field Operations

Location is at the heart of field activities. Focused ArcGIS applications can be used stand-alone or in combination to support field workflows and enable office and field personnel to work in unison, using the same authoritative data.

Mapping

Maps help you spot spatial patterns in your data so you can make better decisions and take action. Maps also break down barriers and facilitate collaboration. ArcGIS gives you the ability to create, use, and share maps on any device.

Real-Time Visualization and Analytics

Real-time GIS empowers you with location monitoring of any type of sensor or device — accelerating response times, optimizing safety, and improving operational awareness across all assets and activities, whether in motion or at rest.

3D GIS

3D GIS brings real-world context to your maps and data. Instantly transform your data into smart 3D models and visualizations that help you analyze and solve problems and share ideas and concepts with your team and customer.

Imagery & Remote Sensing

ArcGIS gives you everything you need to manage and extract answers from imagery and remotely sensed data. It includes imagery tools and workflows for visualization and analysis, and access to the world's largest imagery collection.

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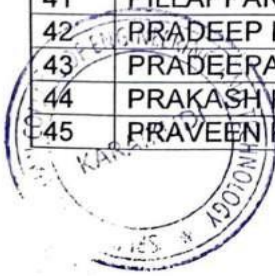**WORKSHOP: REMOTE SENSING AND GIS – 07.01.2019**

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

S.NO	NAME	YEAR	DEPARTMENT	SIGNATURE
01	ABINASH.B	Final	Civil	
02	AJITH.K	Final	Civil	
03	AMEER DEEN.S	Final	Civil	
04	ARASATCHI.N	Final	Civil	
05	ARUL PRAKASH.S	Final	Civil	
06	DINESHKUMAR.U	Final	Civil	
07	DIVYA BHARATHI.M	Final	Civil	
08	GANAPATHI.P	Final	Civil	
09	GNANASOWNDARYA.P	Final	Civil	
10	GOWTHAM.S	Final	Civil	
11	HARIPRIYA.K	Final	Civil	
12	JANESKUMAR.G	Final	Civil	
13	JOTHIRAJ.P	Final	Civil	
14	KABILAN.K	Final	Civil	
15	KALIDASS	Final	Civil	
16	KAVITHA.V	Final	Civil	
17	LINGANATHAN.N	Final	Civil	
18	MADUBALAN.A	Final	Civil	
19	MADHUMITHA.M	Final	Civil	
20	MAHENDRAN.A	Final	Civil	
21	MANIKANDAPRABU.M	Final	Civil	
22	MARIMUTHU.A	Final	Civil	
23	MOHAMED RILWAN N	Final	Civil	
24	MOHAMED ASHIK.S	Final	Civil	
25	MUTHU.M	Final	Civil	
26	MUTHU MEENAL.P	Final	Civil	
27	NISHANTHAN.R	Final	Civil	
28	AJITH.G	Final	Civil	
29	ARAVIND.K	Final	Civil	
30	ARTHI.T	Final	Civil	
31	BALASUBRAMANIYAN.C	Final	Civil	
32	BARATHIRAJA	Final	Civil	
33	BASKARAN.P	Final	Civil	
34	GANESAN.P	Final	Civil	
35	KANNAN.A	Final	Civil	
36	LAVANYA.C	Final	Civil	
37	LOORTHUMARIYAN.B	Final	Civil	
38	PALANIMURUGAN.K	Final	Civil	
39	PANDIAN.M	Final	Civil	
40	PANDI MANIKANDAN.M	Final	Civil	
41	PILLAPPAN.M	Final	Civil	
42	PRADEEP D	Final	Civil	
43	PRADEEPA D	Final	Civil	
44	PRAKASH RAJ K	Final	Civil	
45	PRAVEEN KUMAR V	Final	Civil	

	NAME	COLLEGE	SIGNATURE
1	S RAM KUMAR	Mountzion Engineering college	
48	P K BALASUBRAMANIAN	Mountzion Engineering College	
49	GUNASEKAR N	Mountzion Engineering College	
50	PANDIDURAI G	Mounzion Engineering College	
51	RAJ KUMAR S	Mountzion Engineering College	
52	BALASUBRAMANIYAN M	Mountzion Engineering College	
53	KAMILALI K	Mountzion Engineering College	
54	ANNAMALAI S	Shanmuganathan Engineering College	
55	KANNADHASAN M	Shanmuganathan Engineering College	
56	MARIMUTHU P	Sudharsan Engineering College	
57	PRADEESH V	Sudharsan Engineering College	
58	SHANMUGAM P	Sudharsan Engineering College	
59	VAIRAMANIKANDAN V	Sudharsan Engineering College	
60	JEYARAMAN A	Moogabikai Engineering College	
	THIVAKARAN S	Moogabikai Engineering College	

PRINCIPAL
... of Engg. & Tech.,
Sri Raaja ...   ...kudi - 630 301
Amaravathi...
Sivaganga Dist. Tamil Nadu

KARAIKUDI

22

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
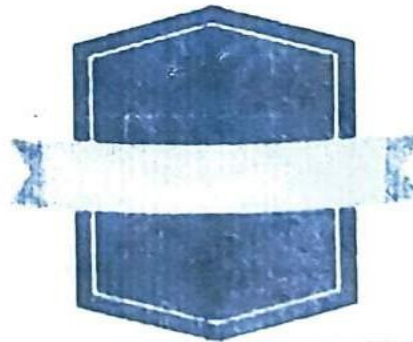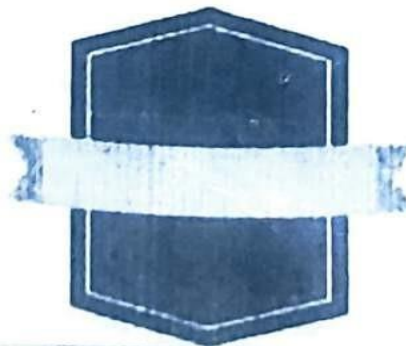#### Amaravathipudur,Karaikudi -630 301

CERTIFICATE OF PARTICIPATION

This is certify to that _PANDIYAN M_

Has completely satisfaction on workshop camp

Instructor _Dr. Muthukumar .M_ at _SRRCET_

Signature

07.01.2019

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech,
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

23

SRI RAAJA RAAJAN

COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
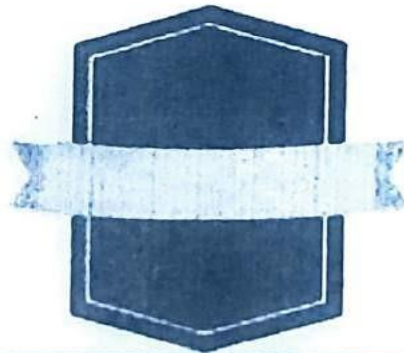### Amaravathipudur, Karaikudi -630 301

CERTIFICATE OF PARTICIPATION

This is certify to that _KAVITHA V_

Has completely satisfaction on workshop camp

Instructor _Dr. M.K. MUTHUKUMAR_ at _SRRCET_

_____
Signature

07. 01. 2019

D PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur,Karaikudi -630 301
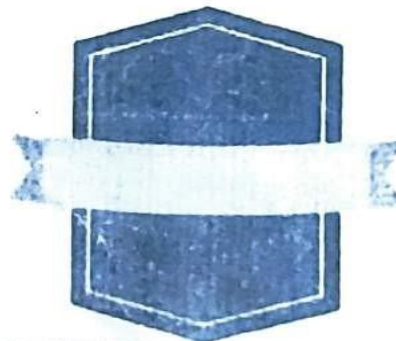
CERTIFICATE OF PARTICIPATION

This is certify to that _ARASATCHI N_

Has completely satisfaction on workshop camp

Instructor _Dr.K.Muthukumar_ at _SRRCET_

Signature

07.01.2019

Date

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi -630 301

CERTIFICATE OF PARTICIPATION

This is certify to that _THIVAKARAN S_

Has completely satisfaction on workshop camp

Instructor _Dr. MUTHUKUMAR M_ at _SRRCET_

_____
Signature

07.01.2019.

Da_____
PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

SRI RAAJA RAAJAN

COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi -630 301

WORKSHOP ON 02/01/2021

STADD PRO ANALYSIS

RESOURCE PERSON
Mr.S.SURESH
Cheif Executive MEE CAD,
Karaikudi.

PATRON
Dr.A.KUMARAVADIVEL, M.E.,Ph.D.,M.I.S.T.E,
Principal, Sri Raaja Raajan College
Of Engineering & Technology

CONVENER
RASHED KHAN I
H.O.D Of CIVIL,
Sri Raaja Raajan College
Of Engineering & Technology

COORDINATOR
Mrs.R.MANIRATHINAM
AP/CIVIL

ABOUT SRRCT

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical institution promoted by **Sri Muthumari Educational Trust**, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

COURSES OFFERED

UG Programme

- B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

PG Programme

- M.E.(Computer Science & Engineering)
- M.E (Structural Engineering)
- M.E (Manufacture Engineering)

THE DEPARTMENT

The Department of CIVIL was started in the year 2010 and offers B.E degree programme. The departments has various laboratories and well-qualified and experienced faculty. The departments has MoU signed with leading companies.

ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept.

  Better understanding the requirement for a specific technology

COURSE CONTENT

- ➤ Introduction
- ➤ Analysis and Design
- ➤ Extremely Flexible Modeling Environment
- ➤ Broad Spectra of Design Codes
- ➤ Interoperability and Open Architecture

RESOURCE PERSONS

- Mr.Suresh ,CEO
  MEE CADD KARAIKUDI

REGISTRATION FORM

WORKSHOP ON STADD PRO ORGANISED BY CIVIL ENGINEERING DEPARTMENT
02.01.2021

Name   :

Designation   :

Institution   :

Male/Female   :

Educational Qualifications:

Experience   :

Mailing Address   :

Phone   :

Fax   :

Email   :

Accommodation required: Yes/ No

Details of Registration fee

DD No.   :

Dated   :

Drawn on   :

Signature of Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____

working in our Institute as_____

is sponsored to attend the Workshop and will be relived, if selected

Signature of the
Sponsoring Authority

Date:

Place:

Seal:

MAILING ADDRESS:

RASHED KHAN I,

Head, Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,
Amaravadipudur (PO),
karaikudi - 630301.
Tamil Nadu. India.

Mail-ID: srrcet2010@gmail.com
Mobile :7339570518

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Chairman, Sri Muthumari Educational Trust.
Dr.S.Subbiah
Advisor, Sri Muthumari Educational Trust

PATRONS
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Principal, SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

CONVENERS
RASHED KHAN I
Head ,Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING AND TECHNOLOGY,
Amaravadipudur(PO),
Karaikudi-630301
Tamil Nadu, India

COORDINATOR
Mr.Manirathinam,
AP/CIVIL

REGISTRATION
Students(UG/PG): Rs.400 /-
Faculty: Rs.500/-
Research Scholars: Rs.700/-
Last Date for Registration:
Intimation of selection :

**SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING AND TECHNOLOGY**

WORKSHOP

On

**STADD PRO
02.01.2021**

Organized by
DEPARTMENT OF CIVIL ENGINEERING

02.01.2021
**SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING&TECHNOLOGY**
(Approved by AICTE & Affiliated to Anna University)
Amaravadipudur, Karaikudi- 630301.Phone:
7373711343
Email: srrcet2010@gmail.com
Website: www.sriraajaraajan.in

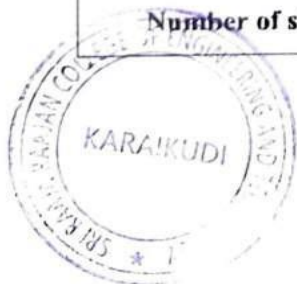# SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
Amaravathipudhur, Karaikudi

Department of Civil Engineering
REPORT FOR WORKSHOP

Title	One Day Workshop on STADD PRO ANALYSIS
Duration	02.01.2021
Conducted by	Suresh, CEO, MEE CAD
Number of students participated	45

STADD PRO ANALYSIS

STAAD.Pro is a comprehensive and integrated finite element analysis and design application that includes visualization capabilities, a simple user interface, and a wide range of design codes. You can analyze any structure exposed to static, dynamic, wind, earthquake, thermal, and moving loads. STAAD.Pro provides structural analysis and design for any type of project, including buildings, culverts, plants, bridges, stadiums, and marine structures.

Analysis and Design

The standard STAAD.Pro analysis methods provide you with a grounding in structural and analysis requirements for an array of projects. When more advanced capabilities are required, you can extend to STAAD.Pro Advanced. STAAD.Pro reduces the resource hours required to properly load your structure by automating the forces caused by gravity, wind, earthquakes, snow, or vehicles. STAAD.Pro can easily accommodate your design and loading requirements, including U.S., Eurocodes, Indian, Russian, Chinese, and Japanese codes. With an unparalleled quality-assurance program, open architecture for customization, and a 25-year track record, more design firms are choosing STAAD.Pro.

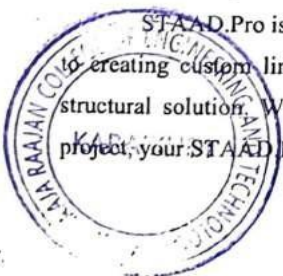### Extremely Flexible Modeling Environment

The power of STAAD.Pro is in a technologically advanced interface. It's easy to get started due to the vast library of online content available, including SIGs that regularly cover specialist topics and courses available in the Bentley Learn Server, in addition to online help and dozens of examples to illustrate solutions to commonly raised modeling, analysis, and design issues. In fact, 80% of new users learn to use STAAD.Pro efficiently in under two hours.

Broad Spectra of Design Codes

Take advantage of steel, concrete, timber, and aluminum design codes from around the world, including historical codes. The breadth of design codes that are built into the program, both current and historical, means that STAAD is equally comfortable being used on small local jobs as well as large international projects. As a result, the software grows as your business does.

Interoperability and Open Architecture

STAAD.Pro is more than an analysis and design application. From simple importing of CAD models to creating custom links and developing third-party applications, STAAD.Pro can be the heart of your structural solution. When integrated with ProjectWise® or integrated into a wider Bentley CONNECT project, your STAAD.Pro models can be efficiently managed with the leading project collaboration system.

WORKSHOP: STADD PRO ANALYSIS – 02.01.2021
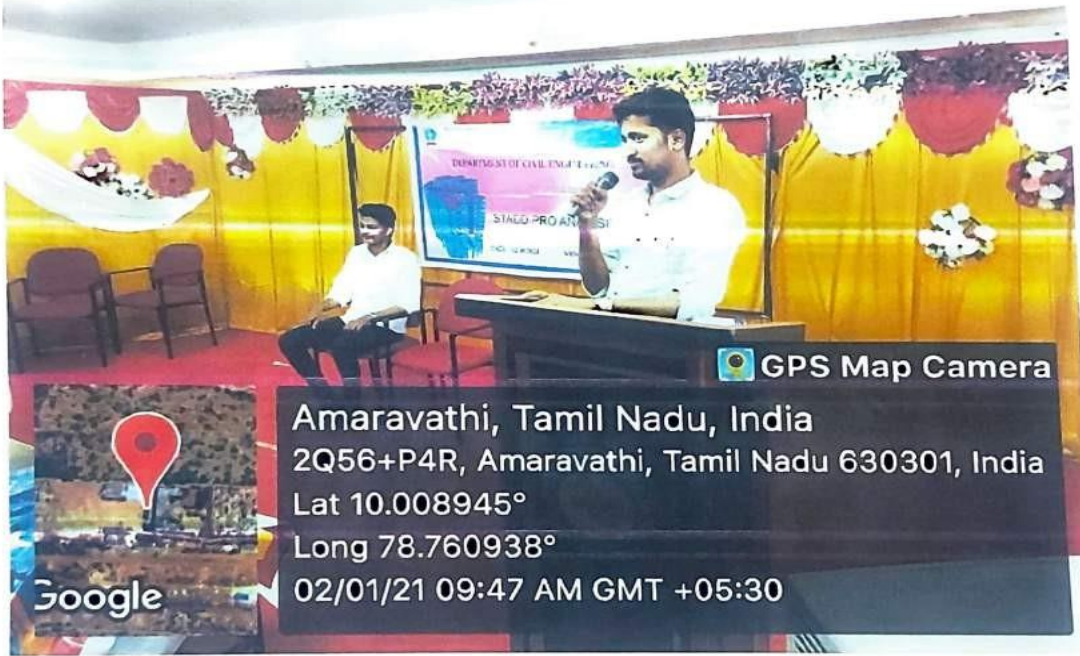
PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

32

S.NO	NAME	COLLEGE	SIGNATURE
01	AJAY.K	SRRCET	
02	AJITHKUMAR.C	SRRCET	
03	AKASH.K	SRRCET	
04	BALAGI.P	SRRCET	
05	DEVASIVA.V	SRRCET	
06	DIVYA.T	SRRCET	
07	GOWSALYADEVI.T	SRRCET	
08	IYAPPAN.P	SRRCET	
09	JUHEE JAHAN.B	SRRCET	
10	KALEESWARAN.A	SRRCET	
11	KARTHIKEYAN.R	SRRCET	
12	KAYATHRI.S	SRRCET	
13	MADHAN KUMAR.A	SRRCET	
14	MARISWARAN.P	SRRCET	
15	NAVEEN.N	SRRCET	
16	NIRANJANI.M	SRRCET	
17	PARTHIPAN.T	SRRCET	
18	PAVITHRA.S	SRRCET	
19	RAJASEKARAN.M	SRRCET	
20	RAMANATHA SETHUPATHY.S	SRRCET	
21	RAMU.R	SRRCET	
22	RENGASAMY.G	SRRCET	
23	SARAVANAN.M	SRRCET	
24	SASIKUMAR.R	SRRCET	
25	SELVAKUMARAN.G	SRRCET	
26	SHANGAR.S	SRRCET	
27	SUNDAR.S	SRRCET	
28	ABDUL RIYAS.A	SRRCET	
29	ARAVINTH.A	SRRCET	
30	BALASUBRAMANI.T	SRRCET	
31	DHANASEELAN.D	SRRCET	
32	GOKUL KANNAN.K	SRRCET	
33	ILAVASRASAN.R	SRRCET	
34	KARPAGASUNDARAM.M	SRRCET	
35	KULOTHUNGAN.E	SRRCET	
36	LOGESWARAN.P	SRRCET	
37	DHILIP KUMAR K	ACGCET	
38	MOHAMMED JOULAY	ACGCET	
39	SUNDAR P	KIT&KIM	
40	NACHIAPPAN S	KIT&KIM	
41	THENNARASU S	KIT&KIM	
42	NALLAPITCHAI A	KIT&KIM	
43	MUTHUBABU S	KIT&KIM	
44	YOGAN N	KIT&KIM	
45	GANESHPANSI D	MZCET	

COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi -630 301

Workshop
Certificate
Presented to

STADD PRO ANALYSIS

A TAY K

Has completely satisfaction on Workshop Camp

SRRCET DATE : 02.01.2021

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

COORDINATOR   **CONVENER**   **PRINCIPAL**

SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur,Karaikudi -630 301

Workshop
Certificate
Presented to

STADD PRO ANALYSIS

DIVYA T

Has completely satisfaction on Workshop Camp

SRRCET DATE : 02.01.2021

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech.
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

KARAIKUDI

COORDINATOR   **CONVENER**   **PRINCIPAL**

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Workshop
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Presented to

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SUNDAR P

Has completely satisfaction on Workshop Camp

SRRCET DATE : 02.01.2021

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Raajan College of Engg. & Tech.,
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

CO ORDINATOR   **CONVENER**   **PRINCIPAL**

Workshop
Certificate

Presented to

STADD PRO ANALYSIS

YOGAN · N

Has completely satisfaction on Workshop Camp

SRRCET DATE : 02.01.2021

PRINCIPAL
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Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu

COORDINATOR   CONVENER   PRINCIPAL

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COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravathipudur, Karaikudi -630 301

ONE DAY WORHSHOP ON

CIVIL
05.01.2022

TOTAL STATION

RESOURCE PERSON
Mr.V.AGASTHEESWARAN
Department of Ocenography
Alagappa University, Karaikudi.

CONVENER
RASHED KHAN I
H.O.D Of CIVIL,
Sri Raaja Raajan College
Of Engineering & Technology

PATRON
Dr.MAYILVAHANAN
Principal, Sri Raaja Raajan College
Of Engineering & Technology

COORDINATOR
Mrs.S.DIVYA
AP/CIVIL
Sri Raaja Raajan College
Of Engineering & Technology

ABOUT SRRCT

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a Technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

COURSES OFFERED

UG Programme

- B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

PG Programme

- M.E.(Computer Science & Engineering)

THE DEPARTMENT

The Department of CIVIL was started in the year 2010 and offers B.E degree programme.The departments has various laboratories and well-qualified and experienced faculty. The departments have MoU signed with leading companies.

ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept.
- Better understanding the requirement for a specific technology.

COURSE CONTENT

- You will learn how to use total station For surveying
- Introduction
- Important of using Total Station
- Learn Component of Total Station

RESOURCE PERSONS

Mr.V.Agastheeswaran.
Department of Ocenography
Alagappa University ,Karaikudi

REGISTRATION FORM

WORKSHOP ON

"TOTAL STATION"

ORGANISED BY
CIVIL ENGINEERING DEPARTMENT
05.01.2022

Name   :

Designation   :

Institution   :

Male/Female   :
Educational Qualifications:

Experience   :

Mailing Address   :

Phone   :

Fax   :

Email   :

Accommodation required: Yes/ No

Details of Registration fee

DD No.   :

Dated   :

Drawn on   :

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms._____

working in our Institute as_____

is sponsored to attend the Workshop and will be

relived, if selected

Signature of the
Sponsoring Authority

Date:

Place:

Seal

MAILING ADDRESS:

RASHED KHAN I,

Head, Dept. of CIVIL,

SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING& TECHNOLOGY,

Amaravadipudur (PO),

karaikudi - 630301,

Tamil Nadu, India.

Mail-ID: srrcet2010@gmail.com

Mobile :7339570518

STEERING COMMITTEE
CHIEF PATRONS

Er.PERIYASAMY,
Chairman, Sri Muthumari Educational Trust.
Dr.S.SUBBIAH
Advisor, Sri Muthumari Educational Trust

PATRON

Dr.AL.MAYILVAHANAN.

Principal,

SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

CONVENER
RASHED KHAN I
Head ,Dept. of CIVIL,
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING & TECHNOLOGY.

COORDINATOR
Mrs.S.Divya
AP/CIVIL

REGISTRATION
Students(UG/PG): Rs.400 /-
Faculty: Rs.500/-
Research Scholars: Rs.700/-
Last Date for Registration:
Intimation of selection :

WORKSHOP ON

"TOTAL STATION"

Organized by

DEPARTMENT OF CIVIL ENGINEERING

05.01.2022
SRI RAAJA RAAJAN COLLEGE OF
ENGINEERING&TECHNOLOGY
(Approved by AICTE & Affiliated to Anna University)
Amaravadipudur, Karaikudi- 630301.Phone:
7373711343
Email: srrcet2010@gmail.com
Website: www.sriraajaraajan.in

SRI RAAJA RAAJAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

Amaravathipudhur, Karaikudi
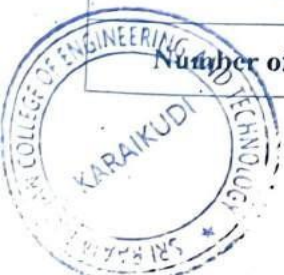

Department of Civil Engineering

REPORT FOR WORKSHOP

Title	One Day Workshop on Total Station
Duration	05.01.2022
Conducted by	Agastheeswaran V M.Tech., Alagappa University
Number of students participated	45

The total station is an optical instrument generally used in construction, surveying, and civil engineering. It is useful for measuring horizontal angle, vertical angle, and distance and it does by analyzing the slope between itself and a specific point. The total station is a combination of a digital theodolite, an electronic distance measuring device (EDM), and a microprocessor with a memory unit. This combination makes it potential to find out the coordinates of a reflector that aligns the instrument crosshairs on the reflector as well as measures the vertical and horizontal angles and slopedistances.

Components of Total Station

The following are major Total Station Parts and Functions,

- Electronic transit theodolite
- Electronic distance meter (EDM)
- Microprocessor
- Electronic data collector & storage system

Data Collector: The data collector collects and stores the information or perceptions. The entire activity of taking in-out and putting away information is constrained by the information gatherer.

Reflectors: The reflector is quietly the most fundamental function of the Total station. This is. because of the Total station capacities or takes the estimations using the reflected beams. The reflector involves an exceptionally constructed reflecting crystal comprised of shapes or squares or reflecting glasses.

Software: In the majority of the Total station, the working system utilized is Windows CE.

In addition to the significant parts, the Total station likewise needs some extra function keys. Such include the control panel, keyboard, data collectors, memories, etc

PRIMARY FEATURES

World's first - TSshield™ system

300m non-prism range

Unique IACS angle encoder system (1" & 2")

Quick & easy-to-use trigger button

Tangent Lock - Securely holds your angle in place.

Laser plummet

300m range LongLink™ functionality

Easy access, environmentally protected USB 2.0 slot

Super long battery life - up to 36 hours

Highly visible Green & Red LED guidelights

Exclusive "STAR-KEY" functionality

Electronic leveling system

Dual, graphic backlit LCD display & keyboard

Advantages of Total Station

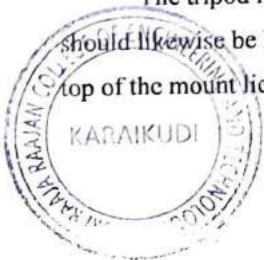The following are major benefits of using the total station in surveying,

> Ease of Use
> Speedy Work
> Convenience
> Accuracy
> CAD interface
> Avoids Manual Mistakes
> Fast Calculations
> Easy Computer Integration

How to Use Total Station In Surveying

The following are steps involved in the use of total station in surveying,

Setting Up Tripod

The tripod legs are fixed such that they are spaced equally. The Head of the tripod stand should likewise be level (roughly). The situation of the standing head should be fixed so that the top of the mount lies precisely over the station mark.

Mounting Total Station On The Tripod

After the Total station has been fixed to a particular point, the Total station is then mounted on the stand. With one hand, the instrument is supported over the stand while with the other hand, the centering screw should be fixed.

Focusing on The Survey Point

Focusing on the point to be surveyed is then done by the means of the optical plummet.

Levelling The Total Station

Then, the leveling foot screws are changed to such an extent that the review point lies halfway on the optical drive. The tripod legs are additionally changed so that the bubble lies in the center. First of all, the air bubble is adjusted corresponding to the two-foot screws and brought to the middle by turning both screws in a similar course. From that point forward, the air bubble is adjusted corresponding to the excess foot screw and brought to the middle by turning the screw. This arrangement of the method is repeated various times until the air bubble stays in the central position.

Verifying The Levelling Electronically

Firstly, the instrument is turned on after pressing & holding the "ON" button given on the keypad. A blare is heard once the instrument is turned on. After the screen is shown, the function is chosen. The foot level screws are then changed so the electronic bubble is likewise focused. Again, the instrument is pivoted at 90 degrees and the cycle is repeated.

Adjusting The Image & Focusing on The Cross-Hair

Horizontal and vertical cinches are then released and the telescope is pointed at any light foundation that is featureless. At that point, the cross-hair is changed until the picture turns out to be perfectly focused. At that point, the telescope is centered on the objective, and the center ring is changed until the objective is particularly focused. The evacuation of parallax is then guaranteed by moving the head gradually aside.

Taking The Measurements

One time, the above steps have been completed, the total station can be used to take the measurements or observations.

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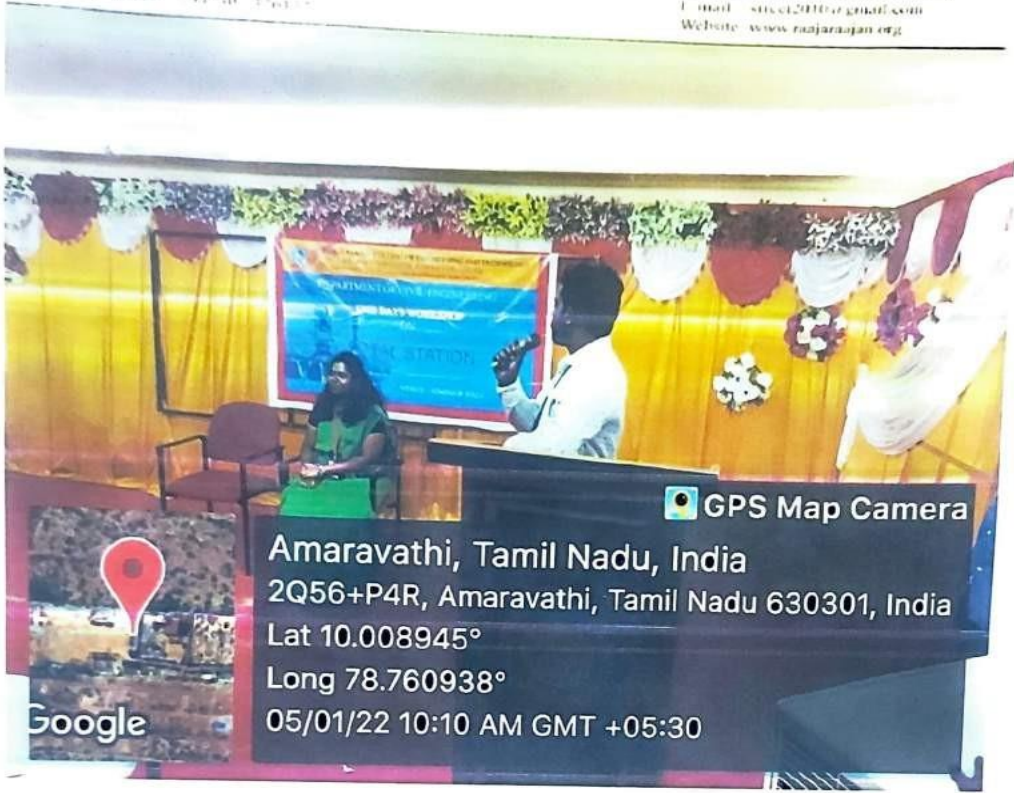
SRI RAAJA RAAJAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University)

Fax 04565 214130
Mobile 71717 11322, 73737 11333
E-mail sreci2010@gmail.com
Website www.raajaraajan.org

WORKSHOP: TOTAL STATION – 05.01.2022

PRINCIPAL
Sri Raaja Raajan College of Engg. & Tech
Amaravathipudur, Karaikudi - 630 301
Sivagangai Dist. Tamil Nadu.

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02	Arhindh.K	Final	Civil	
03	Balamuraugan V R	Final	Civil	
04	Brindha	Final	Civil	
05	Dhanabalan.T	Final	Civil	
06	Gnanasekaran	Final	Civil	
07	Gobalakrishnan	Final	Civil	
08	Gokhul	Final	Civil	
09	Gopinath	Final	Civil	
10	Hameedriswan	Final	Civil	
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22	Prakash	Final	Civil	
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27	Iyappan	Final	Civil	
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32	Dinakarapandi T	Fatima Michael College of Eng & Tech		
33	Vignesh Pandi V	Fatima Michael College of Eng & Tech		
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39	Nandhini M	Fatima Michael College of Eng & Tech		
40	Manikandan R	Fatima Michael College of Eng & Tech		

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41	Arun Kumar B	Fatima Michael College of Eng & Tech	B. Arunkumar
42	Ajith Kumar A	Mahath Amma Institute of Engineering &Technology	A. Ajithkumar
43	Veera Sekar C	Mahath Amma Institute of Engineering &Technology	C. Veera Sekar
44	Thiruppathi C	Mahath Amma Institute of Engineering &Technology	C. Thiruppathi
45	Arjunan V	Mahath Amma Institute of Engineering &Technology	V. Arjuna

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