

**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY****[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]**

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, Analysed and action taken and feedback available on website
2. Feedback collected, Analysed and action has been taken
3. Feedback collected and Analysed
4. Feedback collected
5. Feedback not collected

**Index Sheet**

<b>S.No</b>	<b>Description</b>	<b>Page Number</b>
1	Agriculture Engineering	02
2	Civil Engineering	52
3	Computer Science and Engineering	148
4	Electronics and Communication Engineering	190
5	Mechanical Engineering	374



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# Agriculture Engineering



***Department of Agriculture Engineering***

***FEEDBACK ANALYSIS REPORT FOR ACADEMIC YEAR 2018-2019***

➤ ***STUDENTS' FEEDBACK:***

Students requested to provide practical assignments, minimum one Field visit for a unit for better understanding of the subject and to know their industrial application. Students wanted theory classes more like model studies and its real time application rather than dealing the subject in a conventional way. Students wanted materials for the theory papers for exam preparations.

➤ ***COMPLIANCE:***

After the discussion with Department and college heads, we had arranged site and field visit for the possible topics locally. Workshops have been conducted to incorporate the concepts of modelling and to recollect their theoretical knowledge to incorporate in practical applications. For theory subjects, proper materials were arranged along with the books and journal references.

➤ ***TEACHERS' FEEDBACK:***

Faculties asked for Guest Lectures by eminent scientists currently working in the field and research to motivate as well as to promote awareness on current trends in the field. They also asked to bring more internship over to help the students gain industrial experience. For problematic papers, extra classes were demanded to make students understand the problems and to incorporate logical solutions.

➤ ***COMPLIANCE:***

Additional classes were given to faculties based on the syllabus. Industrial persons were called for guest lectures. Alumni's discussion with the students was facilitated. Permissions and bonus points have been announced for students who have more interest and capability to do internship.

  
**HoD/Agri**



**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637 304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**

# Sri Shanmuga College of Engineering and Technology

Pullipalayam, Morur (Po), Sankagiri (Tk), Salem (Dt), Pin : 637 304, Tamil Nadu. Ph : 04283-262999, 998, 997 Fax : 04283-261799

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC



: G.Kavitha, Ph.D.

Principal

No.....

Date : .....

629/SSCET/P/FV/ Agricultural Engineering /2017-18

30/08/2017

To

Public Relations Officer,  
Tamilnadu Agricultural University,  
Coimbatore-003.

Respected Sir,

Sub: Permission for Field visit on 08.09.2017-Reg

The students of Agricultural Engineering Department at Sri Shanmuga College of Engineering and Technology, as a part of the Engineering course are undergoing Field Visit of agricultural interest. We feel it will be very fruitful for the students with academic background to have glimpse of **soil science laboratory and engineering machinery department of TNAU** for the better appreciation of practical applications for a day on **08.09.2017**. In the above background we would like to send a batch of 48 students (II Year) with three faculty members to visit Tamilnadu Agricultural University, Coimbatore.

I request you to kindly accord the necessary permission for the above Field Visit and arrange for guiding the students. We assure that our students will observe the rules and regulations that are prescribed by the department and will in no way to disturb the functioning of the department during their visit.

Please send us a confirmation mail for further arrangements.

Thanking You

Yours Truly

Principal

P.R. KAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT).T.N.



05.09.2017

From

A.Murugananth,  
Head of Agricultural Engineering,  
Sri Shanmuga College of Engineering & Technology,  
Sankari.

To

The Principal,  
Sri Shanmuga College of Engineering & Technology,  
Sankari.

Respected Madam,

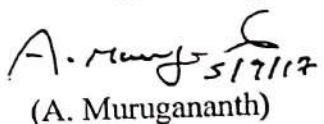
**Sub: Permission for field visit to Tamilnadu Agricultural University-Reg**

I wish to bring to your kind notification that we had planned to undergo a field visit on 07.09.2017 to Tamilnadu Agricultural University for II AGRI Students (22 girls + 23 boys) and two faculty members in Agricultural Engineering Department. Hence I request you to give the permission to attending the field visit for the above mentioned place.

And also I request you to arrange the bus facility for field visit.

Thanking you

Yours Truly

  
(A. Murugananth)

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po), Sankari (Tk), Salem (Dt). Pin : 637 304, Tamil Nadu. Ph . 04283-262999, 998, 997 Fax : 04283-261799

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC

ISO 9001 : 2015  
CERTIFIED

Dr. G.Kavitha, Ph.D.

Principal

## DEPARTMENT OF AGRICULTURAL ENGINEERING

STUDY TOUR TO TAMILNADU AGRICULTURAL UNIVERSITY, CBE Date : .....

Lr. No.....  
SECOND YEAR STUDENTS NAME LIST 2017-18

1	732716108001	Anushya.R	29	732716108029	Mounika.L.S
2	732716108002	Chevvanthy.R	30	732716108030	Muralidharan.S
3	732716108003	Denish Babu.M	31	732716108031	Muthuraman.P
4	732716108004	Devasagar.T	32	732716108032	Mythili.A.S
5	732716108005	Dhilip Kumar.S	33	732716108033	Naveen.S
6	732716108006	Dhivagaran.P	34	732716108035	Parvathi.G
7	732716108007	Dhivya.M	35	732716108036	Praveen Kumar.S
8	732716108008	Dinesh.P	36	732716108037	Praveen kumar.C.T
9	732716108009	Ebenezer Joal.T	37	732716108039	Ranjini. T
10	732716108010	Emima.T	38	732716108040	Ruby Jerin Priyadharshini.R
11	732716108011	Gokul.G	39	732716108042	Santhya.S
12	732716108012	Gopinath.P	40	732716108043	Shakthivel.S
13	732716108013	Hariharan.P	41	732716108044	Shalini.K
14	732716108014	Harini Gayathri.P	42	732716108045	Sharmila.P
15	732716108015	Jenifer Shelshiya.D	43	732716108046	Shivanethri.H
16	732716108016	Kanmani.G	44	732716108047	Sowmiya.M
17	732716108017	Karthick.L	45	732716108048	Veeramani.M
18	732716108018	Karthikeyan.S	46	732716108049	Vignesh.A
19	732716108019	Keerthana.S	47	732716108051	Vimalraj.K
20	732716108020	Keerthika.M	48	732716108301	Harrini.M
21	732716108021	Kirana Haasika.S			
22	732716108022	Kirana Hasta.S			
23	732716108023	Kowsalya.G			
24	732716108024	Logeshwaran.E			
25	732716108025	Madhumitha.C			
26	732716108026	Manijothi.R			
27	732716108027	Manish Prabhu.J			
28	732716108028	Mohan Kumar.P			

PRINCIPAL,

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,

PRINCIPAL, PULLIPALAYAM, MORUR-637304.

COLLEGE OF ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



Email : info@shanmughacollege.com



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI.

DEPARTMENT OF AGRICULTURE ENGINEERING

Year/Semester: III / V

Date: 02.08.2018

CIRCULAR

This is to inform you that the Add-on courses on "Solid Works" for III Year Agri students for the academic year 2018-2019 will be scheduled between 06.08.2018 to 11.08.2018 in CAD laboratory.

All the Students are instructed to attend the course and kindly make use of the session.

Thank You

Yours Sincerely

(HOD - Agri).

Copy to

NB – AGRI  
NB – Classrooms  
Principal  
Circular File

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT), T.N.



**Sri Shanmuga College of Engineering and Technology**

**Department of Agriculture Engineering**

**Academic Year 2018-19**

**Name of Certificate course:** SolidWorks

**Name of company:** Vland's Best Hub Pvt Ltd.

**Course Objective:**

Students are expected to learn to visualize and construct three-dimensional objects and assemblies of objects. They will employ the SW software to use "constructive solid geometry" to build the parts and assemblies. They will use the SW automatic drafting tools to prepare dimensioned mechanical drawings that would allow a machinist to build the parts. Sample parts will be printed in 3D to illustrate that ability. A very limited introduction to FEA concepts will be given. The students will use the FEA simulation ability as a "black box" tool and apply them to parts and/or assemblies. The main objective of the course is to demonstrate mastery of the CAD and FEA tools by applying them to a group project and presenting written and oral reports on that project.

**Course Outcome:**

On successful completion of this course, student will be able to

C1	Edit the automatic drawing feature of SW to prepare multiple views of the part with attractive and complete detailed dimensions that would allow the part to be constructed from those drawings only.
C2	Acquire the construction of solid parts and an assembly and some type (stress, thermal, vibration, etc.) of FEA, along with a written report and oral presentation.
C3	Relative contributions of each team member will be determined by a brief Team Survey at the completion of the design report.

**CO-PO Mapping**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C1	3	2	3	2	2	-	-	2	2	-	-	2	2	2
C2	3	2	3	2	2	-	-	2	2	-	-	2	2	2
C3	3	2	3	2	2	-	-	2	2	-	-	2	2	2

**Level: High – 3, Medium -2, Low -1**

~~Course Incharge~~

HoD/ Agri

**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MCRUR-637304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**



Sri Shanmuga College of Engineering and Technology

Department of Agriculture Engineering

Academic Year -2018-19

Name of company: Vland's Best Hub Pvt Ltd.

Name of Certificate Course: Solidworks

Name of trainer : Mr.Gopinath

### Syllabus

This course provides a hands on introduction to the use of computer aided design (CAD) for mechanical engineering design processes. It employs the SolidWorks (SW) commercial software for creating solid models, dimensioned mechanical drawings, and rapid prototype output (3D printing). The software also includes engineering simulation capabilities for the finite element analysis (FEA) of stress analysis, thermal analysis and vibration analysis of solid bodies. A large percentage of the course is self-pace instruction. The main products of the course are a written group design project report and its oral presentation.

Course duration: 50 hours

Section	Title	Topics Discussed
1	Fundamentals	Introduces design concepts, SOLIDWORKS terminology, and provides an overview of help options.
2	Parts	Demonstrates design methods, tools, and features commonly used to make parts.
3	Assemblies	Shows how to add parts to an assembly, specify mates, and use In-context design methods.
4	Drawings	Discusses drawing sheet formats, views, dimensions, annotations, and bills of materials.
5	Engineering Tasks	Examines add-in applications, utilities, and other resources to complete advanced tasks.
Step-by-Step Lesson		Provides guided instruction to perform basic tasks.
Exercises		Provides sample exercises to practice the material.

  
Course Incharge

  
HoD/ Agri



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



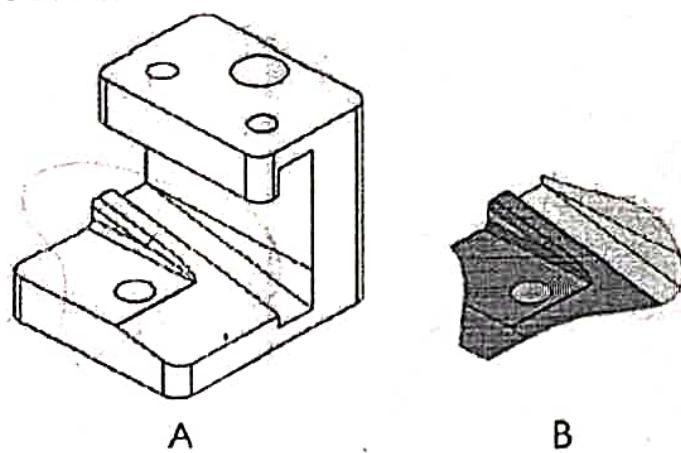
SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI



DEPARTMENT OF AGRICULTURE ENGINEERING

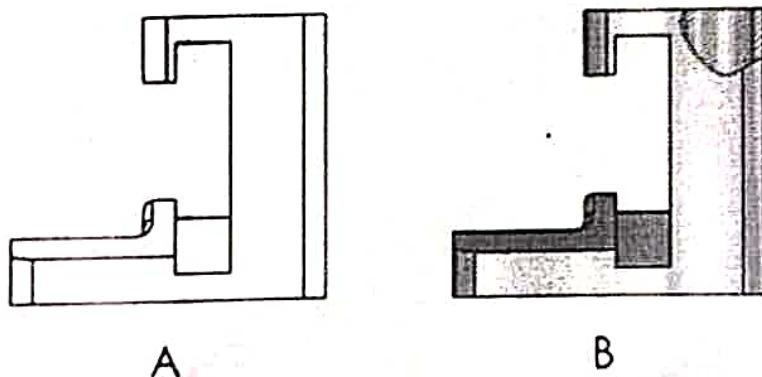
SOLIDWORKS TEST QUESTIONS

Part 1: Drafting Competencies



1. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

- a) Section
- b) Crop
- c) Projected
- d) Isometric



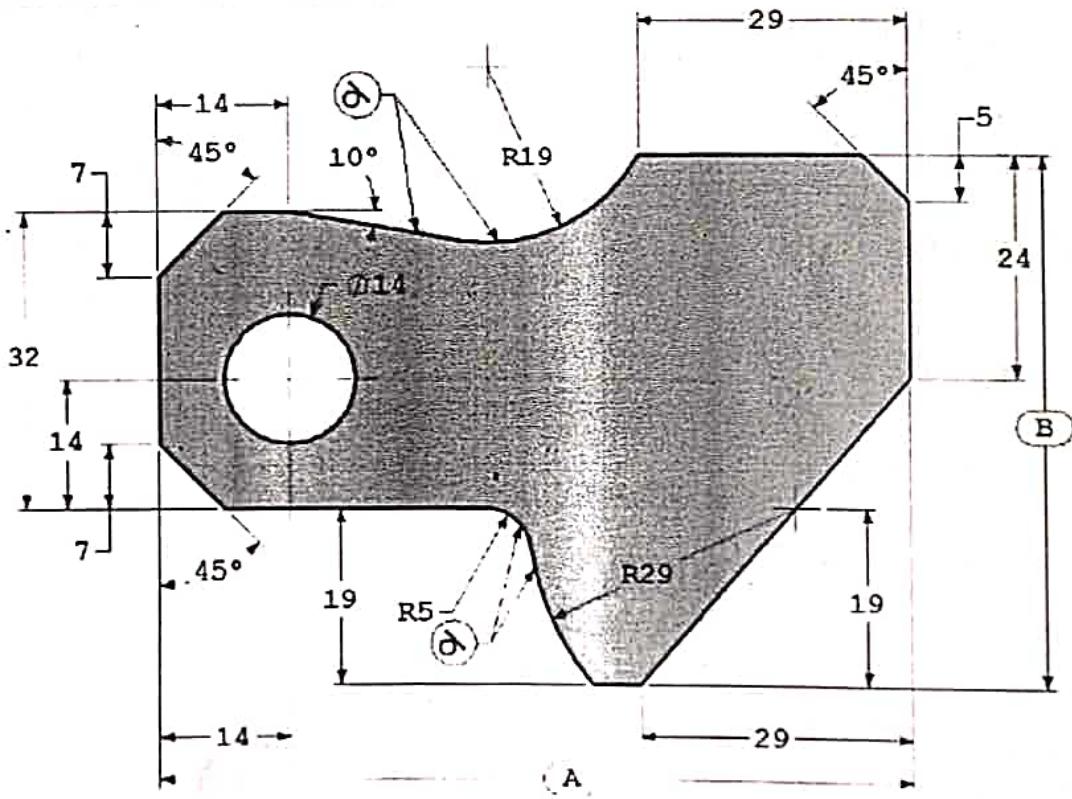
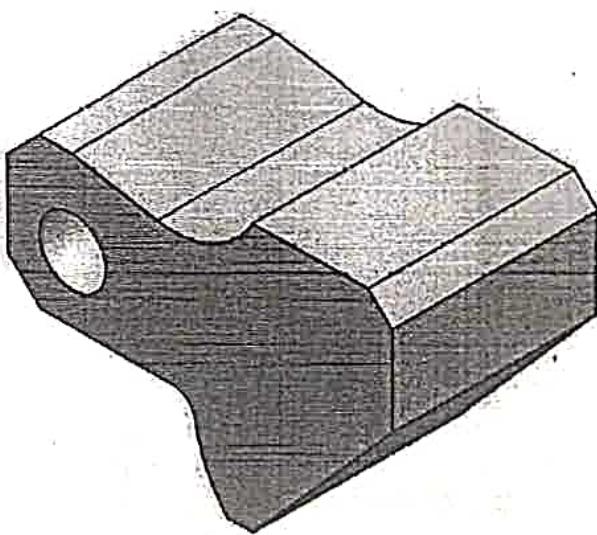
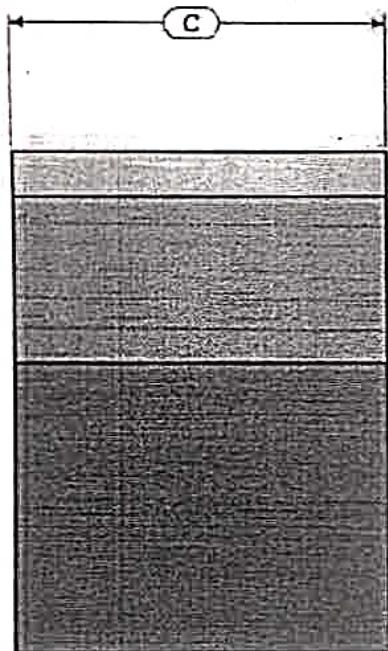
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-63  
SANKAGIRI(TK), SALEM(DT).

2. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

- a) Aligned Section
- b) Detail
- c) Broken-out Section
- d) Section

## Part 2: Part Modeling

The following images are to be used to answer Questions #3 – 4.



3. Part (Tool Block) - Step 1

Build this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

A = 81.00

B = 57.00

C = 43.00

What is the overall mass of the part (grams)?

Hint: If you don't find an option within 1% of your answer please re-check your solid model.

- a) 1028.33
- b) 118.93
- c) 577.64
- d) 939.54

REMINDER: Save your part in a different file after each question in case it must be reviewed.

**1. Part (Tool Block) - Step 2**

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by changing the following parameters:

$$A = 84.00$$

$$B = 59.00$$

$$C = 45.00$$

Note: Assume all other dimensions are the same as in the previous question.

What is the overall mass of the part (grams)?

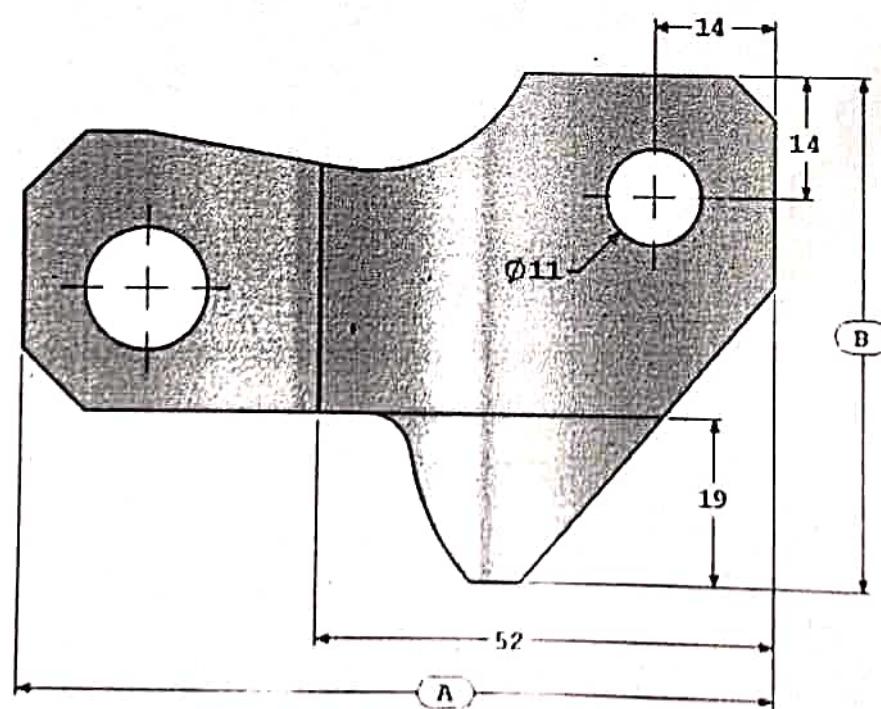
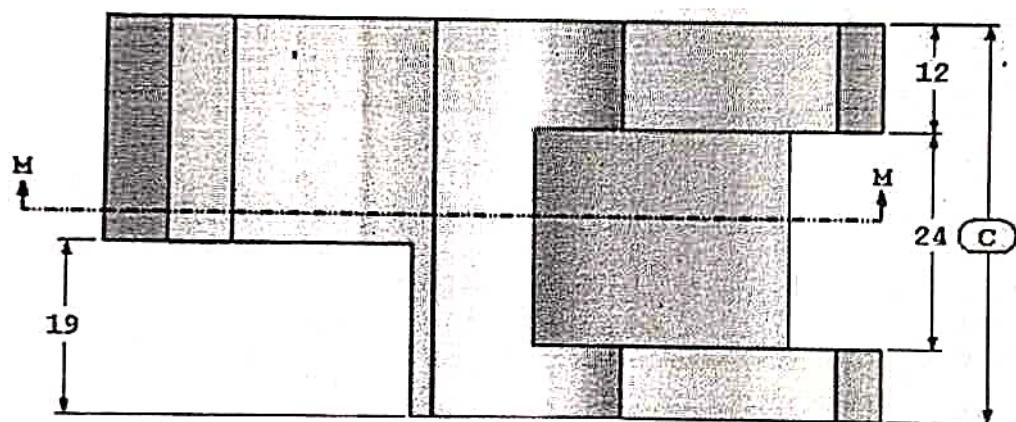
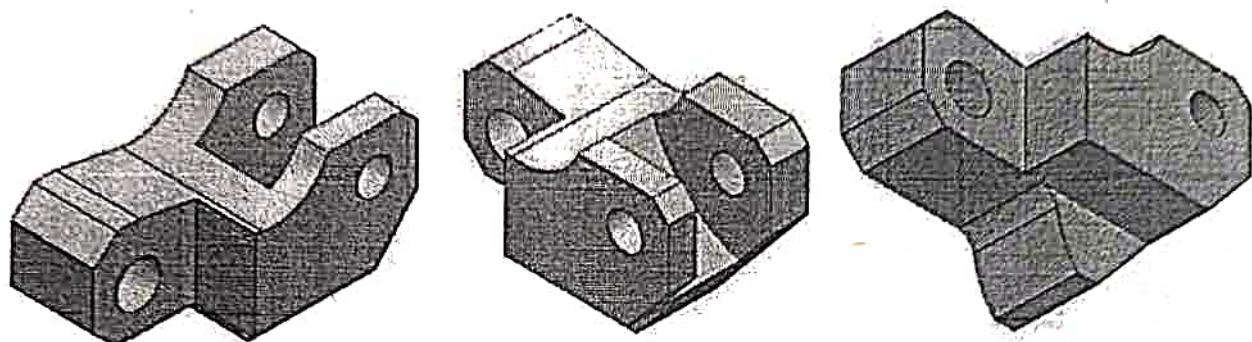
1031.328

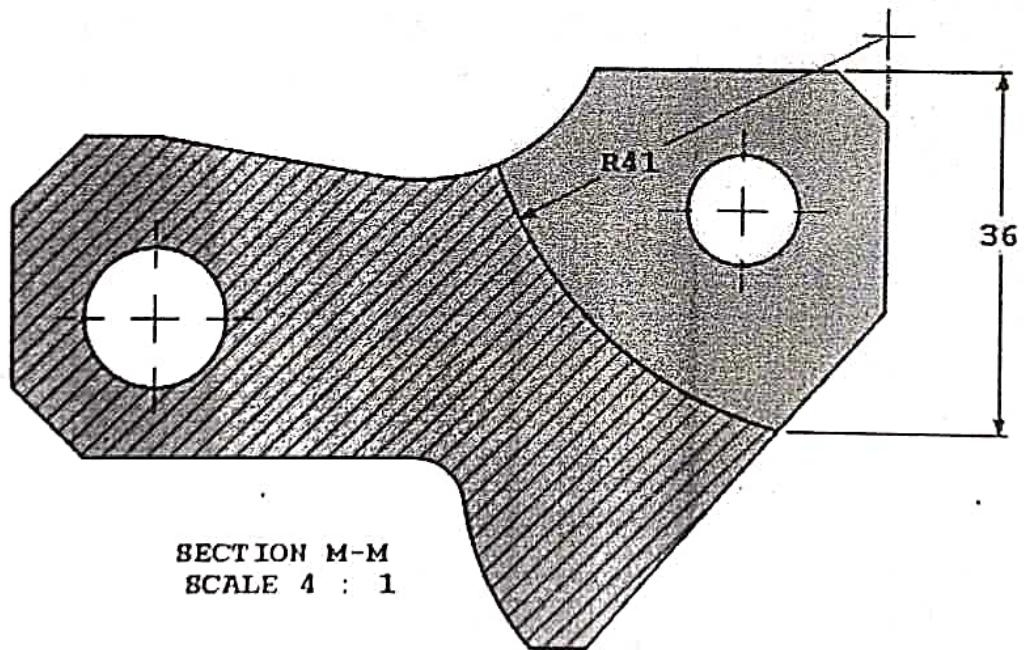
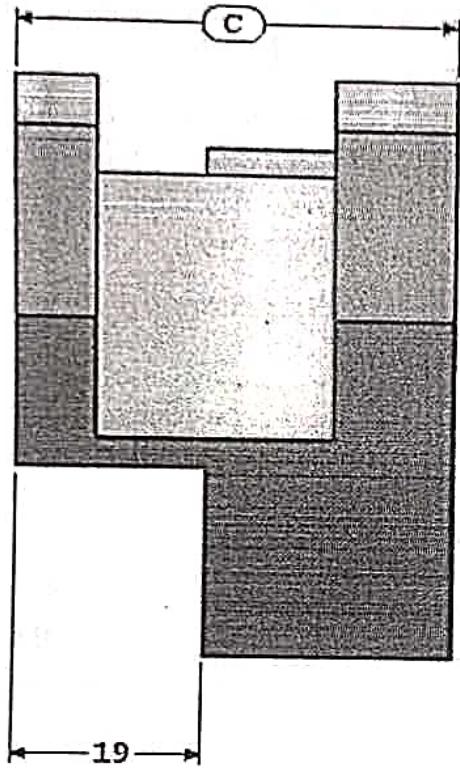


PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT),T.N.

## Part Modeling (continued)

These images are to be used to answer Question #5.





*ad*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-627304.  
SANKAGIRI(TK), SALEM(DT), T.N.

5. Part (Tool Block) - Step 3

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by removing material and also by changing the following parameters:

$$A = 86.00$$

$$B = 58.00$$

$$C = 44.00$$

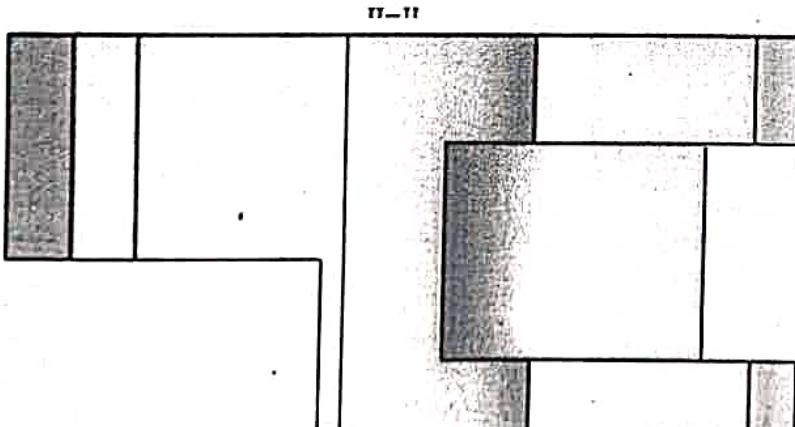
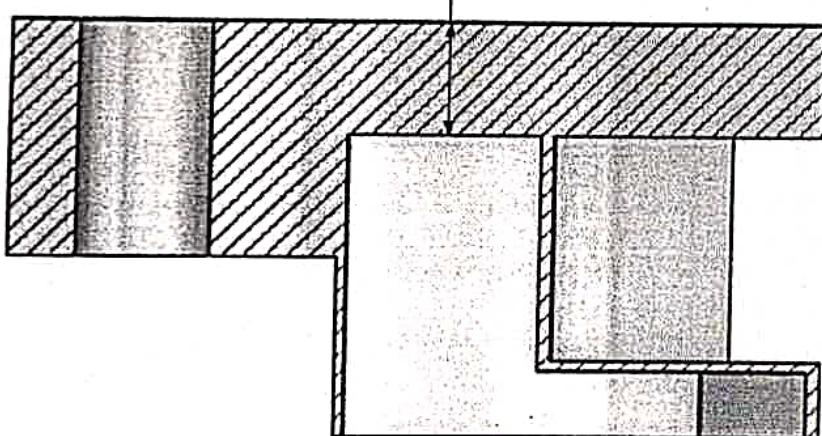
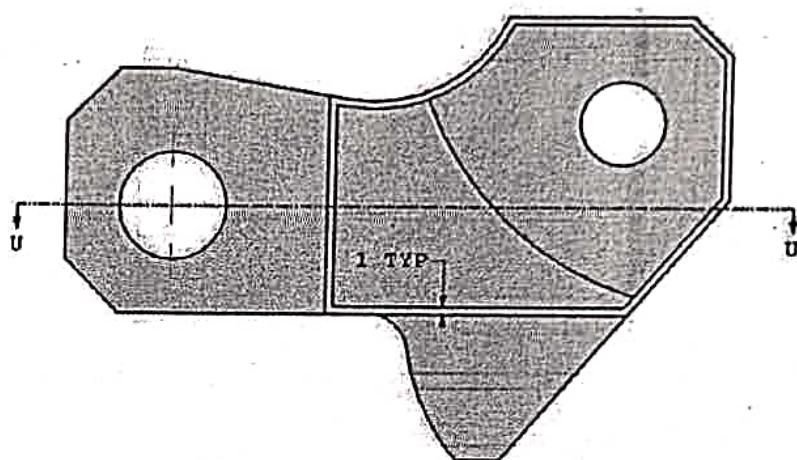
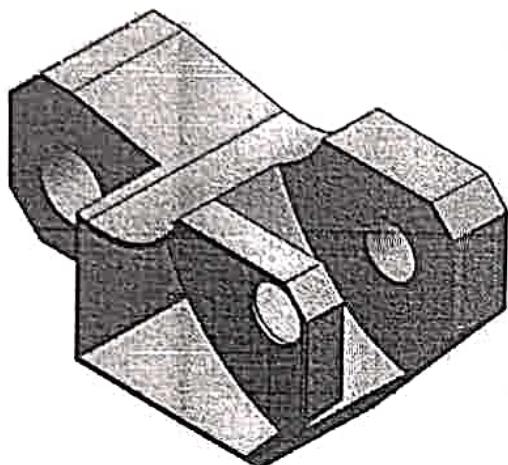
What is the overall mass of the part (grams)?

9328.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304  
SANKAGIRI(TK).SALEM(DT).T.N.

## Part Modeling (continued)

These images are to be used to answer Question #6.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR 637304.  
SANKAGIRI(TK),SALEM(DT),T.N.

## 6. Part (Tool Block) - Step 4

Modify this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by adding a pocket.

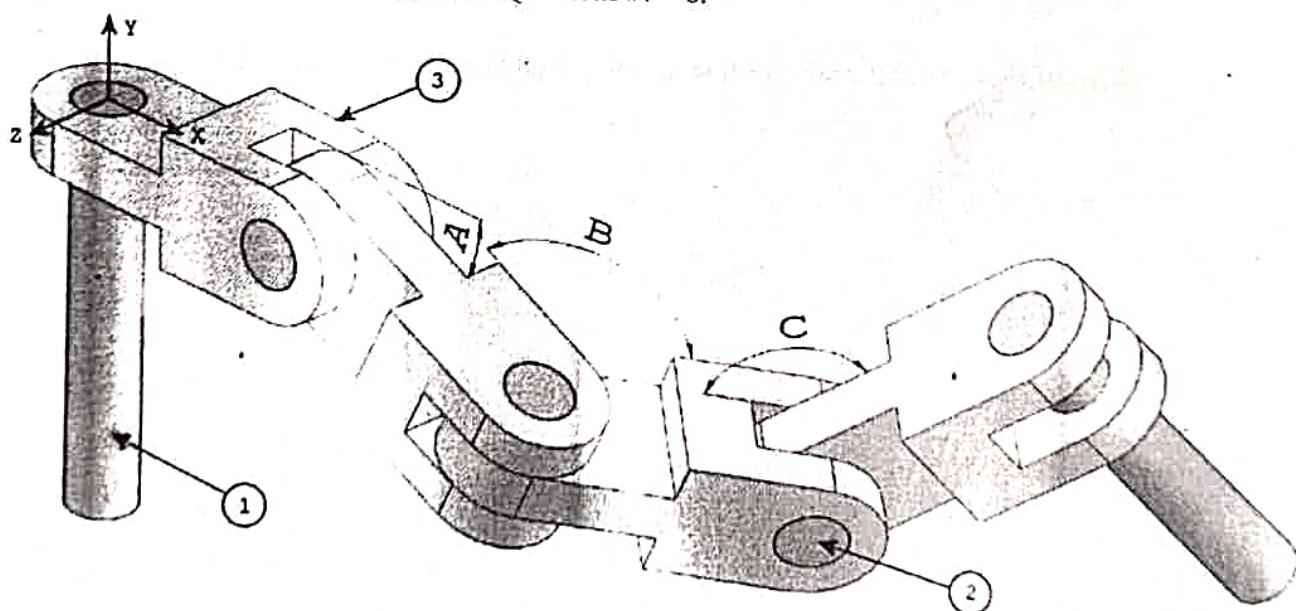
Note 1: Only one pocket on one side is to be added. This modified part is not symmetrical.

Note 2: Assume all unspecified dimensions are the same as in the previous question #5.

What is the overall mass of the part (grams)?

## Part 3: Assembly Modeling

This image is to be used to answer Questions #7 – 8.



*asal*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

7. Build this assembly in SOLIDWORKS (Chain Link Assembly)

- Download the attached zip file and open it.
- Save the contained parts and open those parts in SOLIDWORKS. (Note: If SOLIDWORKS prompts "Do you want to proceed with feature recognition?" please click "No".)
- IMPORTANT: Create the Assembly with respect to the Origin as shown in isometric view. (This is important for calculating the proper Center of Mass)  Create the assembly using the following conditions:
  1. Pins are mated concentric to chain link holes (no clearance).
  2. Pin end faces are coincident to chain link side faces.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: As shown in image

A = 25 degrees

B = 125 degrees

C = 130 degrees

What is the center of mass of the assembly (millimeters)?

Hint: If you don't find an option within 1% of your answer please re-check your assembly.

- a) X = 348.66, Y = -88.48, Z = -91.40
- b) X = 308.53, Y = -109.89, Z = -61.40
- c) ~~X~~ = 298.66, Y = -17.48, Z = -89.22
- d) X = 448.66, Y = -208.48, Z = -34.64

8. Modify the assembly in SOLIDWORKS. (Chain Link Assembly)

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: Arbitrary

Using the same assembly created in the previous question modify the following parameters:

A = 30 degrees

B = 115 degrees

C = 135 degrees

What is the center of mass of the assembly (millimeters)?

$$x \approx 325.52$$

$$y \approx -98.63$$

$$z \approx -602.33$$

END OF TEST



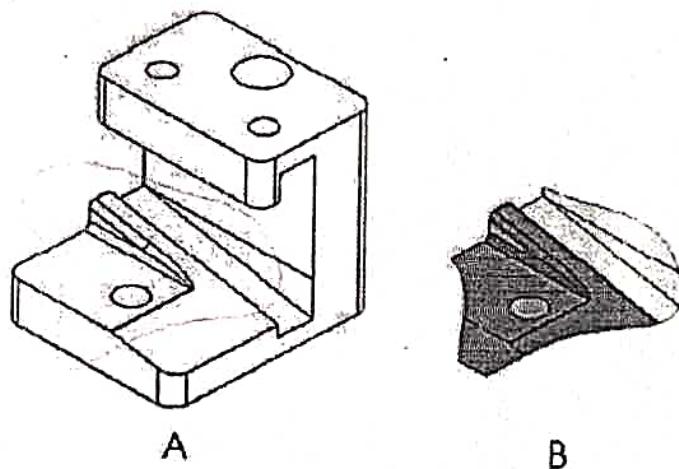
SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI



DEPARTMENT OF AGRICULTURE ENGINEERING

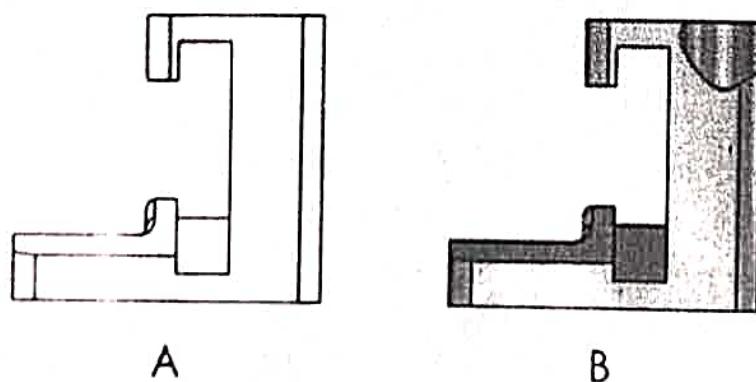
SOLIDWORKS TEST QUESTIONS

Part 1: Drafting Competencies



1. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

- a) Section
- b) Crop
- c) Projected
- d) Isometric



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MCRUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.

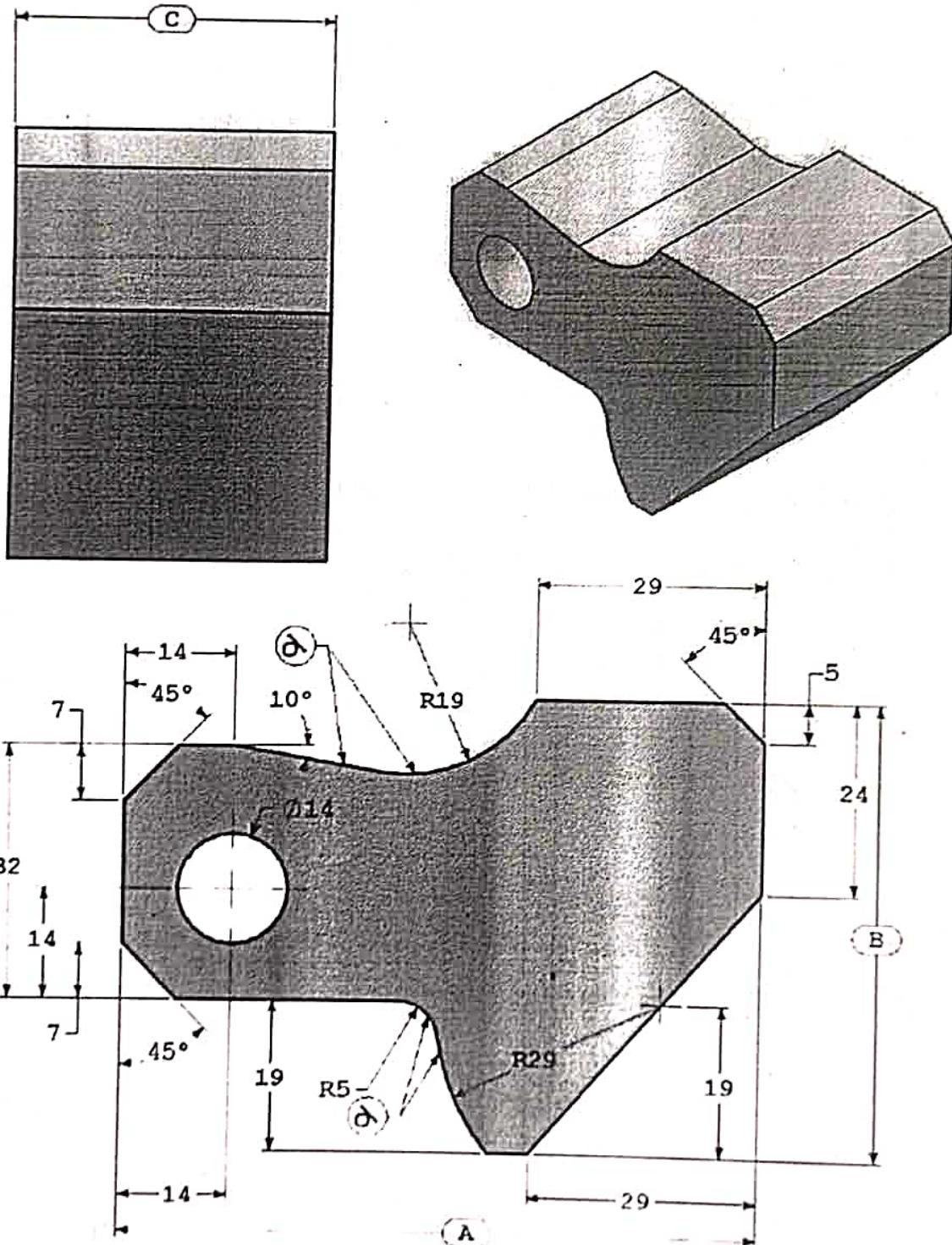
2. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

- a) Aligned Section
- b) Detail
- c) Broken-out Section
- d) Section

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 141,  
SANKAGIRI(TK), SALEM(DT), T.N.

## Part 2: Part Modeling

The following images are to be used to answer Questions #3 – 4.



### 3. Part (Tool Block) - Step 1

Build this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

A = 81.00

B = 57.00

C = 43.00

What is the overall mass of the part (grams)?

Hint: If you don't find an option within 1% of your answer please re-check your solid model.

a) 1028.33

b) 118.93

c) 577.64

d) 939.54

REMINDER: Save your part in a different file after each question in case it must be reviewed.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N,

4. Part (Tool Block) - Step 2

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by changing the following parameters:

$$A = 84.00$$

$$B = 59.00$$

$$C = 45.00$$

Note: Assume all other dimensions are the same as in the previous question.

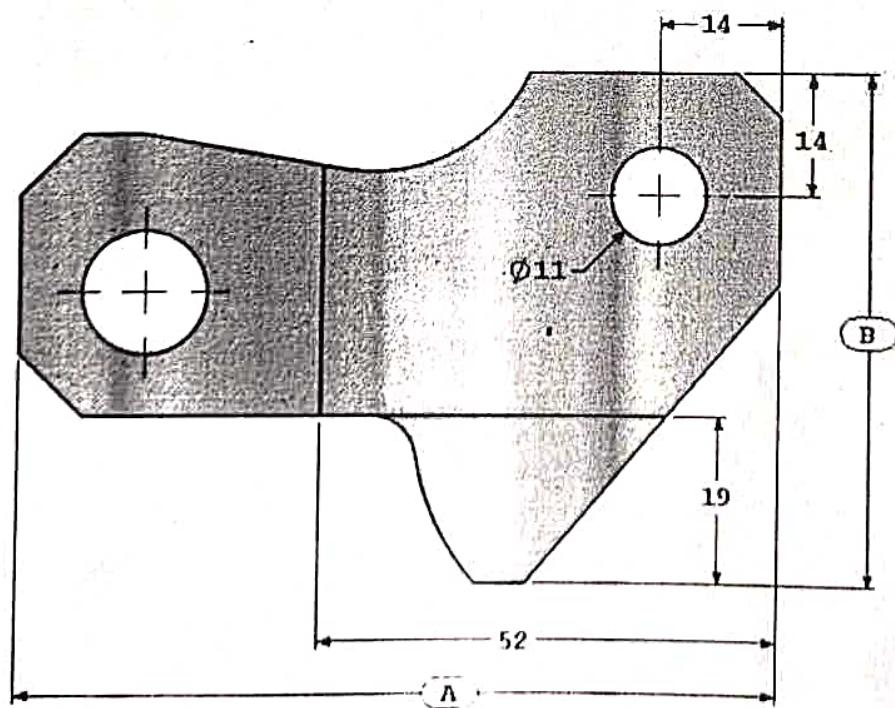
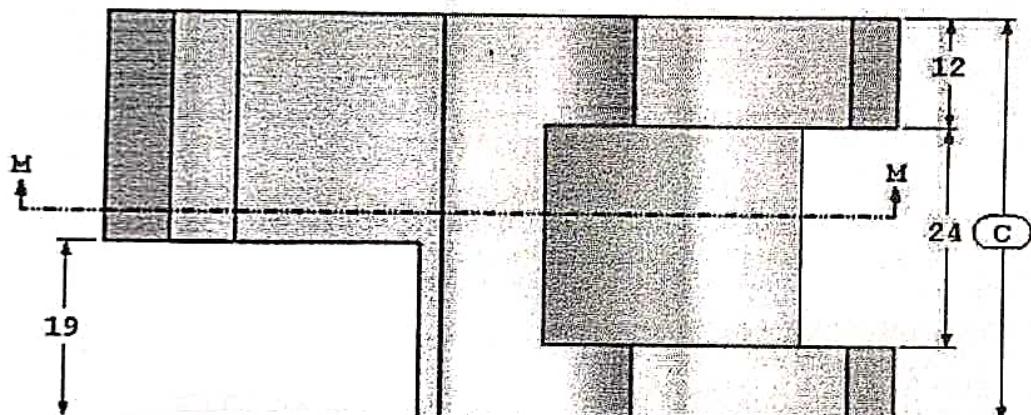
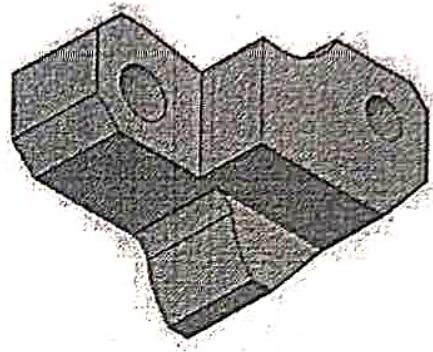
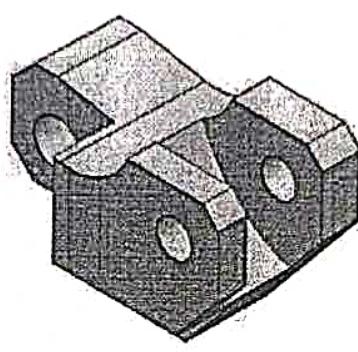
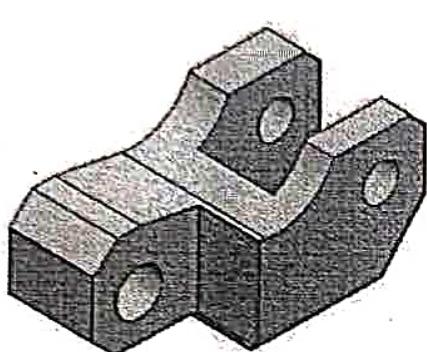
What is the overall mass of the part (grams)?

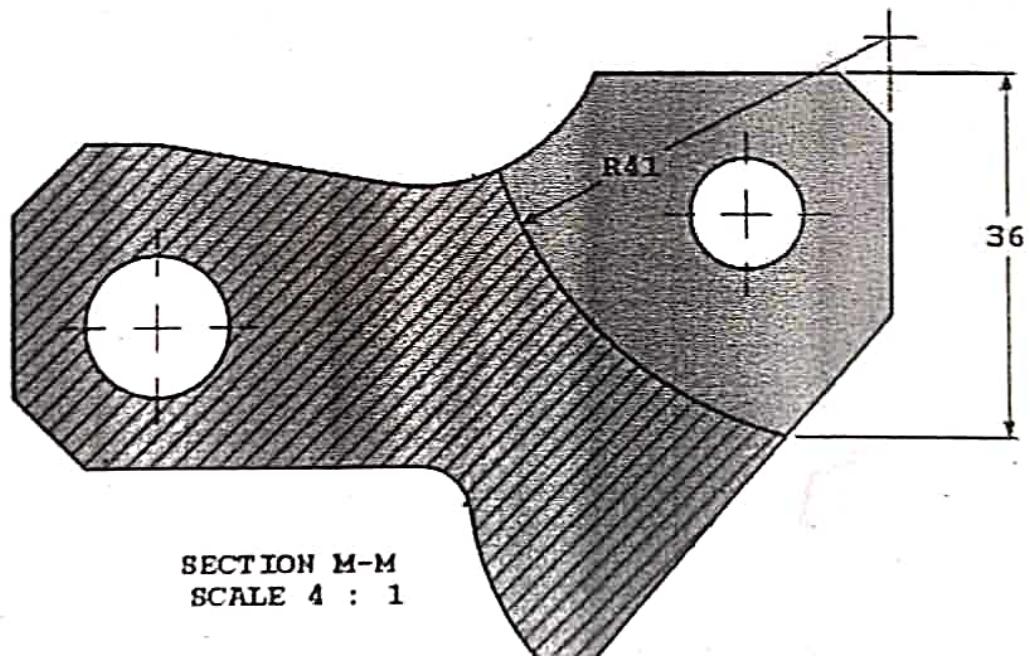
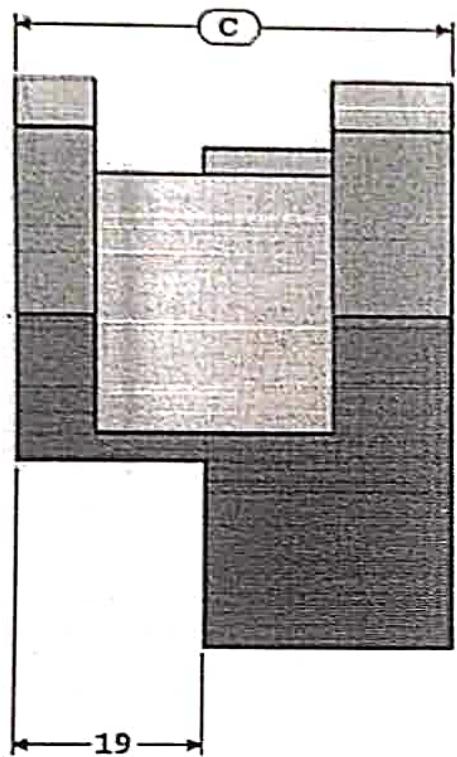
998.328

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

## Part Modeling (continued)

These images are to be used to answer Question #5.





*cecel*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

### 5. Part (Tool Block) - Step 3

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by removing material and also by changing the following parameters:

$$A = 86.00$$

$$B = 58.00$$

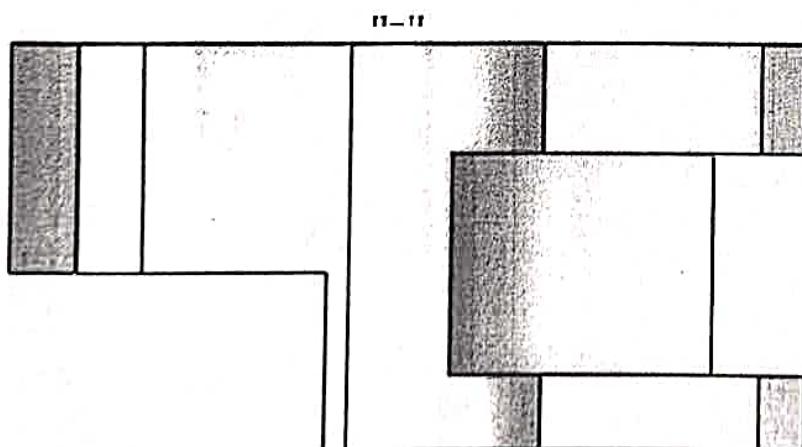
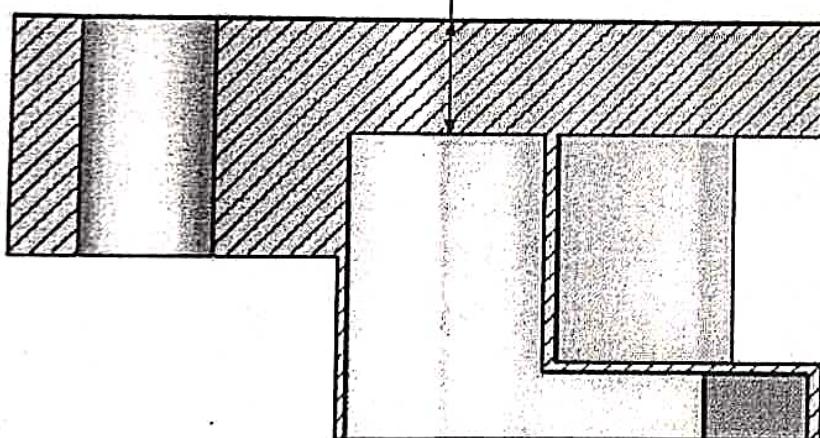
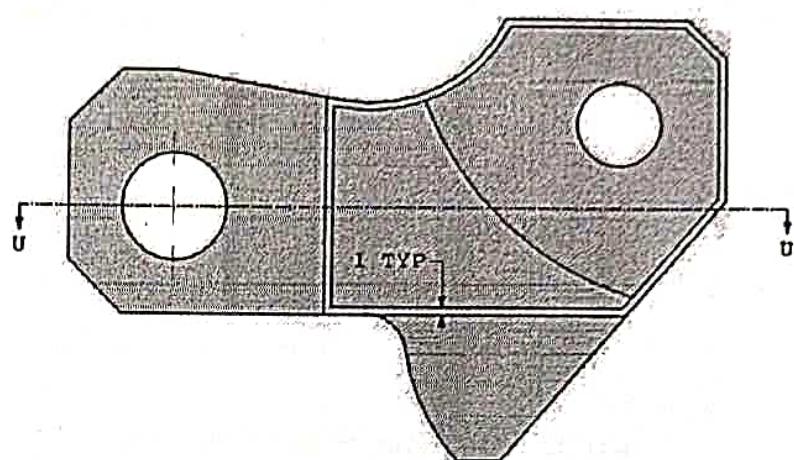
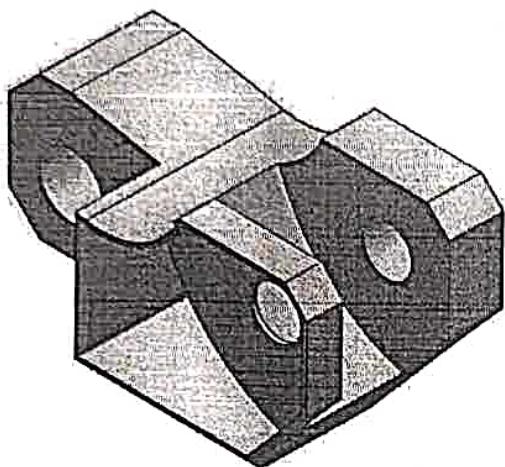
$$C = 44.00$$

What is the overall mass of the part (grams)?

620.8

## Part Modeling (continued)

These images are to be used to answer Question #6.



## 6. Part (Tool Block) - Step 4

Modify this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by adding a pocket.

Note 1: Only one pocket on one side is to be added. This modified part is not symmetrical.

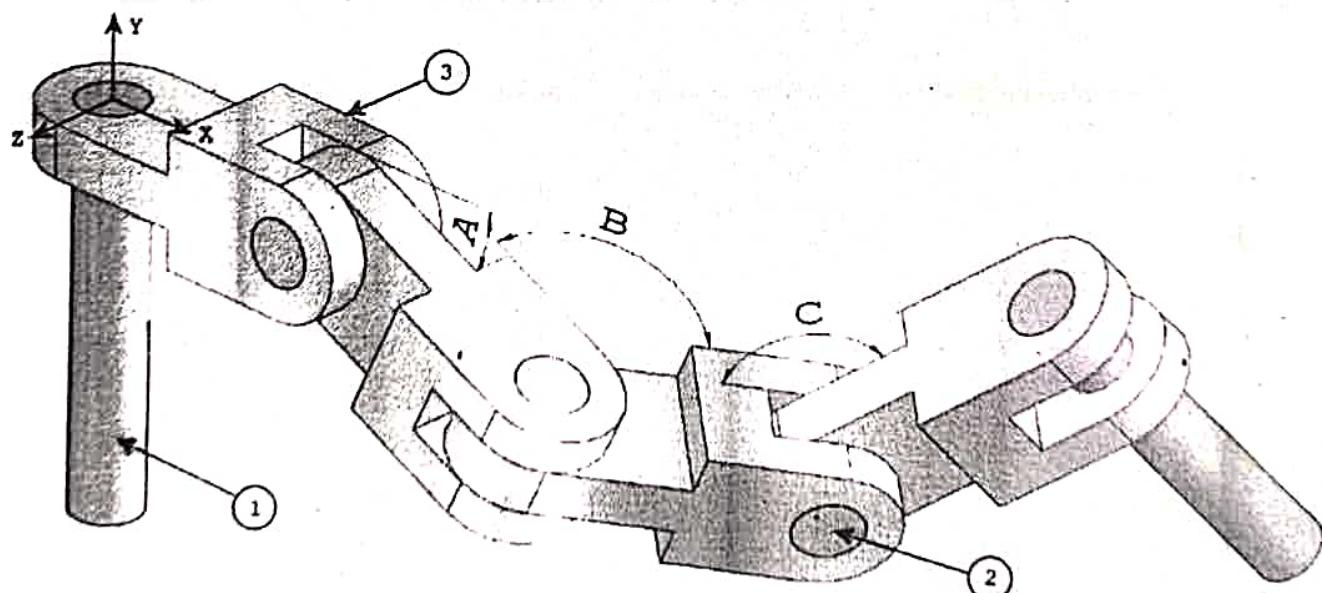
Note 2: Assume all unspecified dimensions are the same as in the previous question #5.

What is the overall mass of the part (grams)?

450g

## Part 3: Assembly Modeling

This image is to be used to answer Questions #7 – 8.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIFALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.

7. Build this assembly in SOLIDWORKS (Chain Link Assembly)

- Download the attached zip file and open it.
- Save the contained parts and open those parts in SOLIDWORKS. (Note: If SOLIDWORKS prompts "Do you want to proceed with feature recognition?" please click "No".)
- IMPORTANT: Create the Assembly with respect to the Origin as shown in isometric view. (This is important for calculating the proper Center of Mass)  Create the assembly using the following conditions:
  1. Pins are mated concentric to chain link holes (no clearance).
  2. Pin end faces are coincident to chain link side faces.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: As shown in image

A = 25 degrees

B = 125 degrees

C = 130 degrees

What is the center of mass of the assembly (millimeters)?

Hint: If you don't find an option within 1% of your answer please re-check your assembly.

- a) X = 348.66, Y = -88.48, Z = -91.40
- b) X = 308.53, Y = -109.89, Z = -61.40
- c) ~~X~~ = 298.66, Y = -17.48, Z = -89.22
- d) X = 448.66, Y = -208.48, Z = -34.64

8. Modify the assembly in SOLIDWORKS. (Chain Link Assembly)

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: Arbitrary

Using the same assembly created in the previous question modify the following parameters:

$$A = 30 \text{ degrees}$$

$$B = 115 \text{ degrees}$$

$$C = 135 \text{ degrees}$$

What is the center of mass of the assembly (millimeters)?

$$x = 329, y = -98, z = -102.91$$

END OF TEST



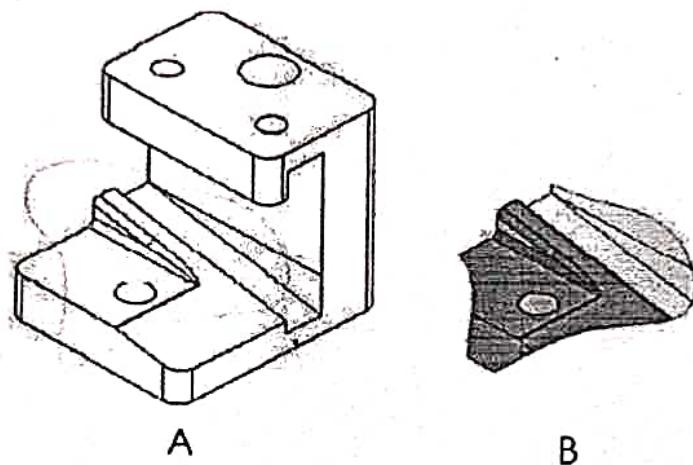
SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI



DEPARTMENT OF AGRICULTURE ENGINEERING

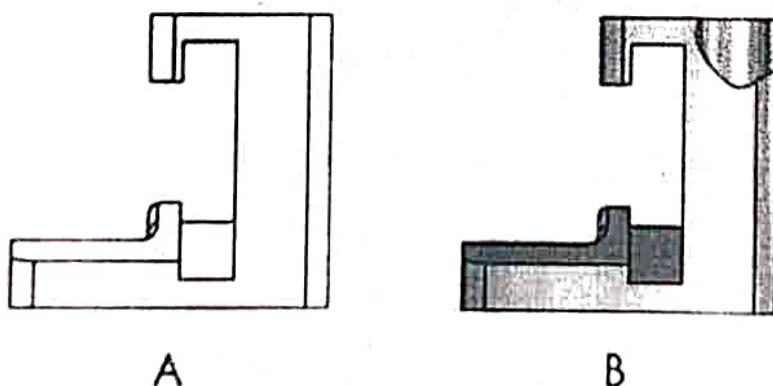
SOLIDWORKS TEST QUESTIONS

Part 1: Drafting Competencies



1. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

- a) Section
- b) Crop
- c) Projected
- d) Isometric



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637  
SANKAGIRI(TK).SALEM(DT).T.N.

2. To create drawing view 'B' it is necessary to sketch a spline (as shown) on drawing view 'A' and insert which SOLIDWORKS view type?

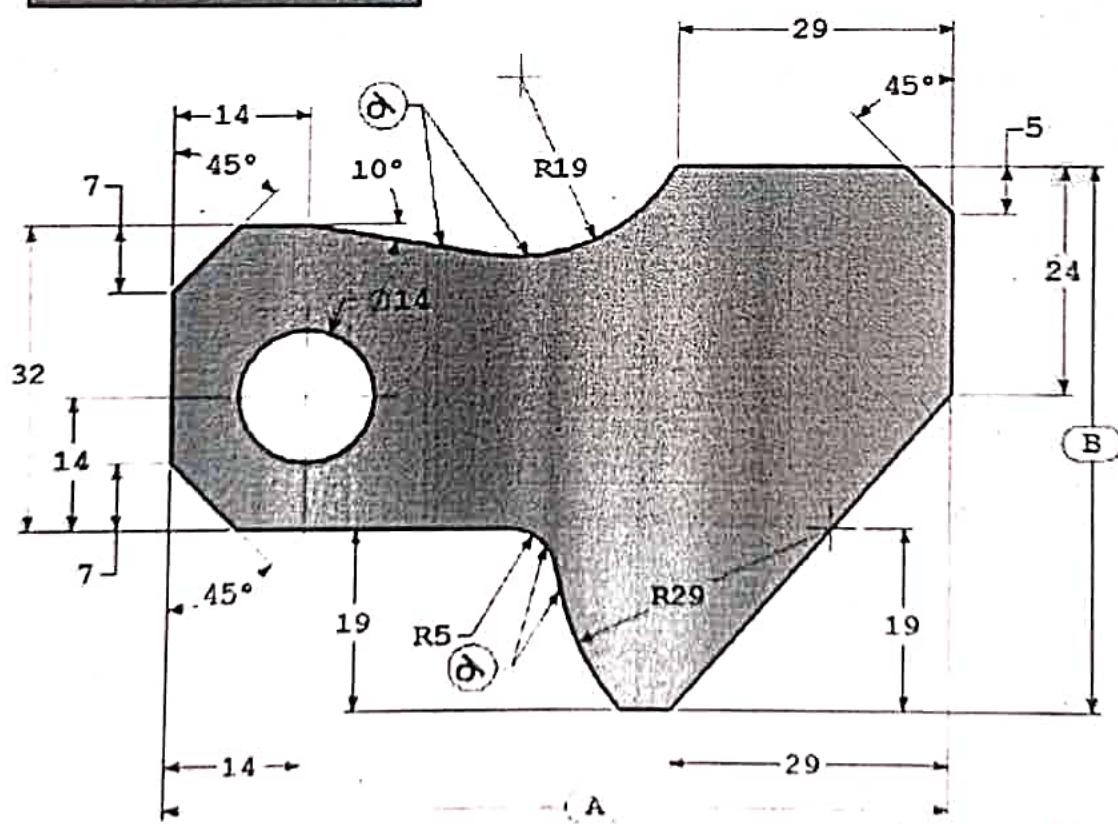
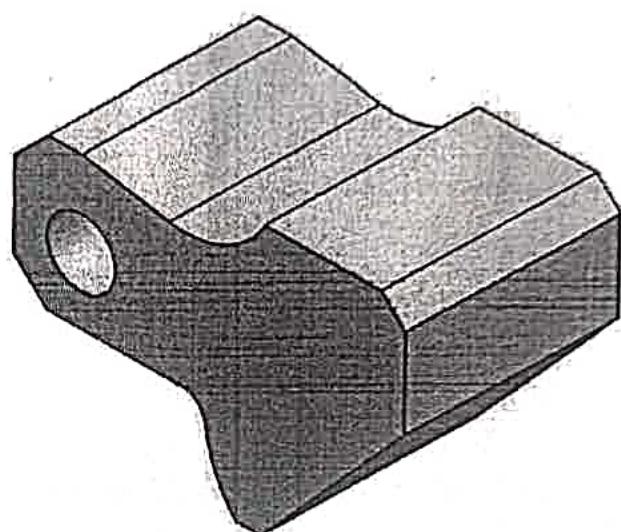
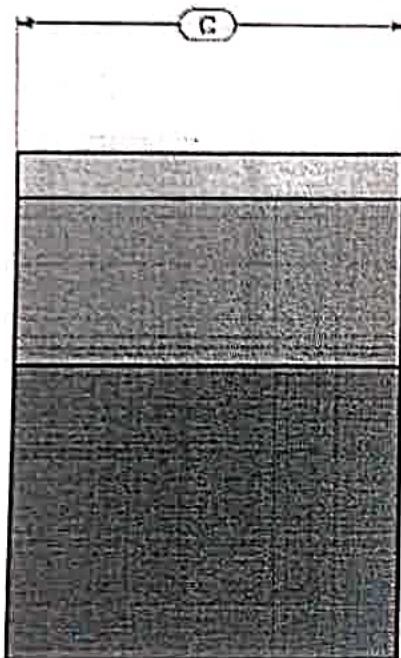
- a) Aligned Section
- b) Detail
- c) Broken-out Section
- d) Section



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.

## Part 2: Part Modeling

The following images are to be used to answer Questions #3 – 4.



### 3. Part (Tool Block) - Step 1

Build this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

A = 81.00

B = 57.00

C = 43.00

What is the overall mass of the part (grams)?

Hint: If you don't find an option within 1% of your answer please re-check your solid model.

a) 1028.33

b) 118.93

c) 577.64

d) 939.54

REMINDER: Save your part in a different file after each question in case it must be reviewed.

4. Part (Tool Block) - Step 2

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by changing the following parameters:

$$A = 84.00$$

$$B = 59.00$$

$$C = 45.00$$

Note: Assume all other dimensions are the same as in the previous question.

What is the overall mass of the part (grams)?

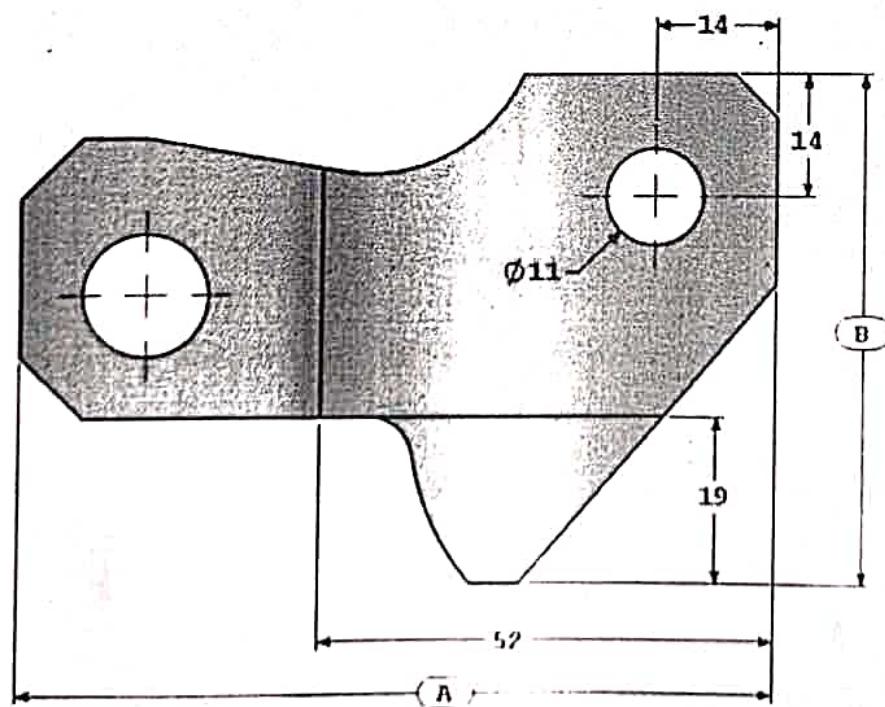
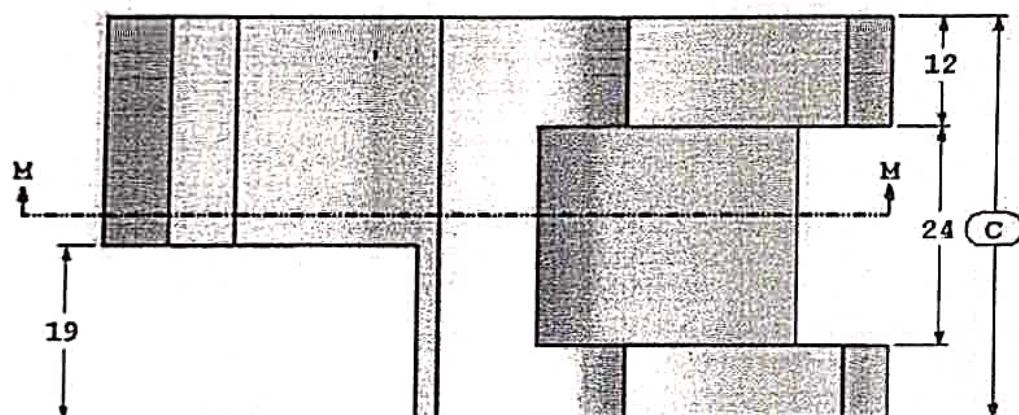
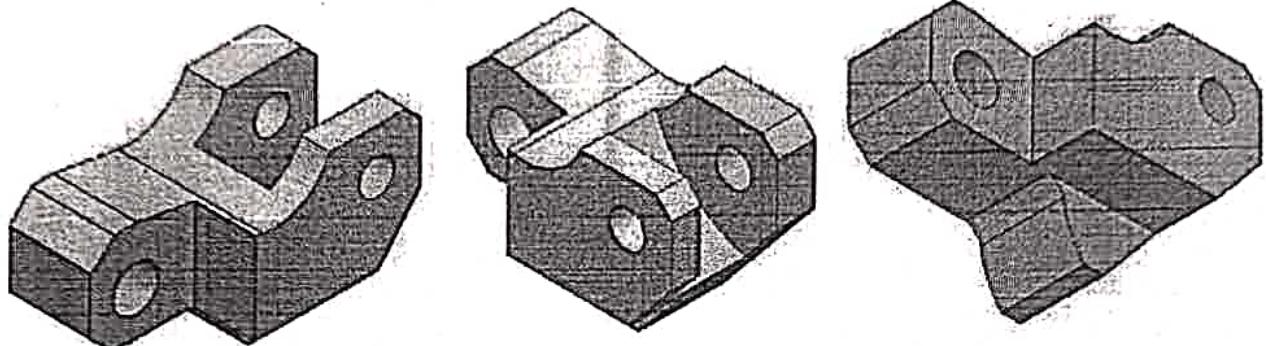
1035 g.

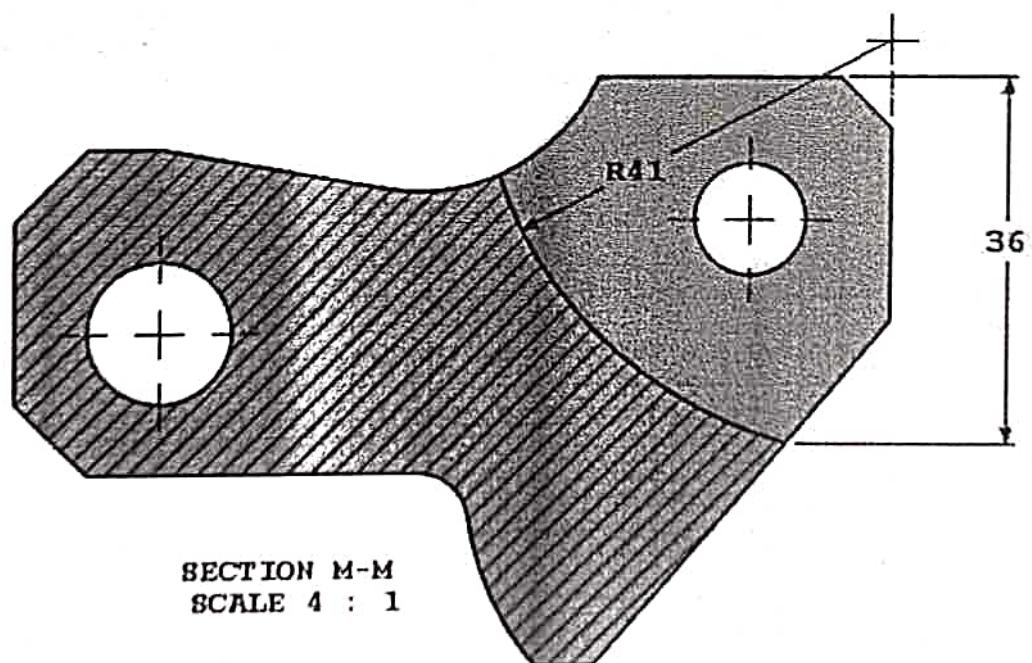
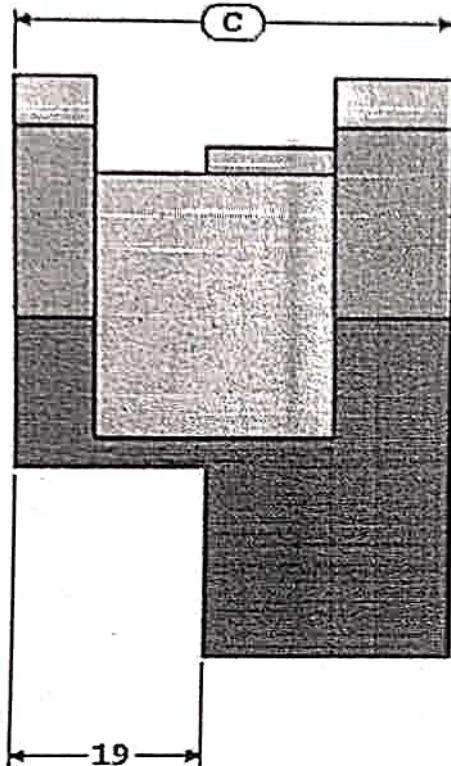


PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-63  
SANKAGIRI(TK), SALEM(DT), T.N.

## Part Modeling (continued)

These images are to be used to answer Question #5.





*[Handwritten signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637 542  
SANKAGIRI(TK).SALEM(DT).T.N.

**5. Part (Tool Block) - Step 3**

Modify the part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by removing material and also by changing the following parameters:

$$A = 86.00$$

$$B = 58.00$$

$$C = 44.00$$

What is the overall mass of the part (grams)?

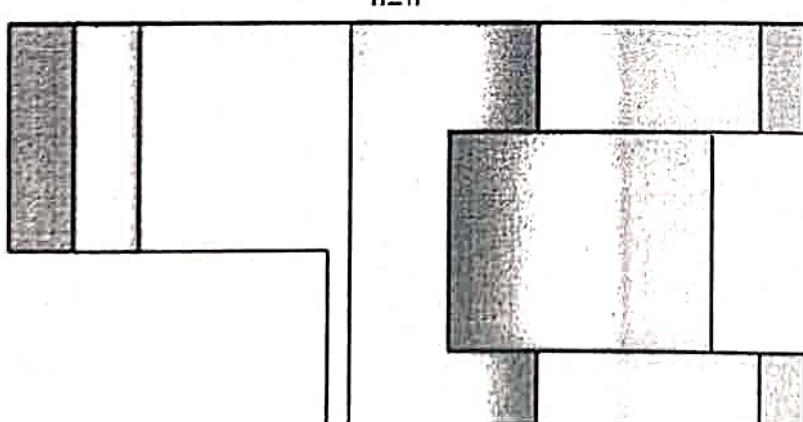
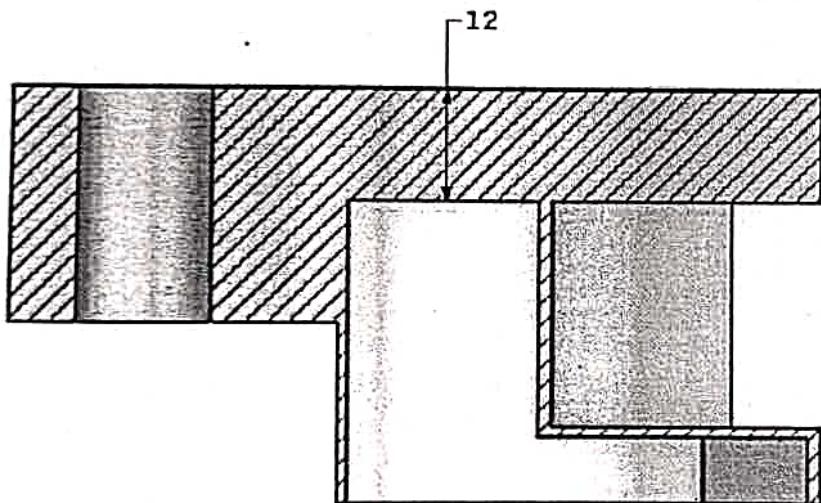
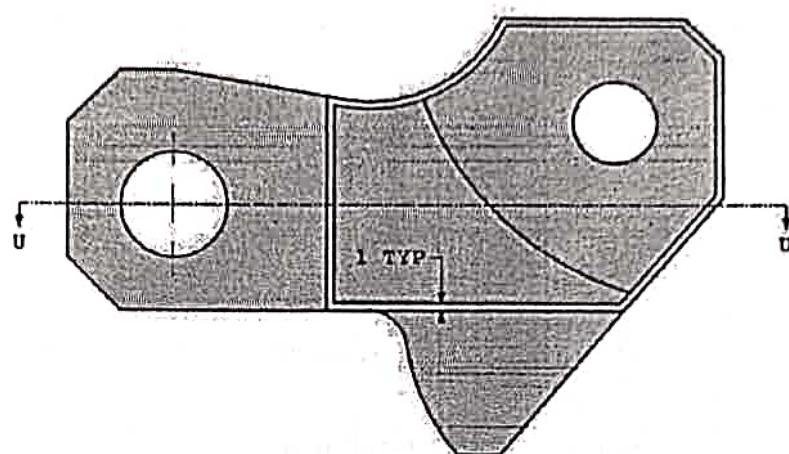
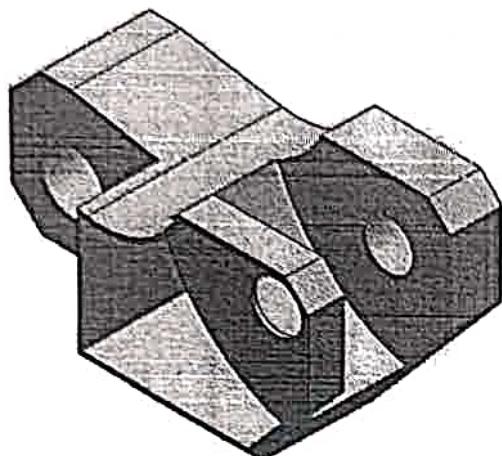
627.18g.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.,

## Part Modeling (continued)

These images are to be used to answer Question #6.



*Dr. S. Sankagiri*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(UT), T.N.

## 6. Part (Tool Block) - Step 4

Modify this part in SOLIDWORKS.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

All holes through all unless shown otherwise.

Material: AISI 1020 Steel

Density = 0.0079 g/mm<sup>3</sup>

Use the part created in the previous question and modify it by adding a pocket.

Note 1: Only one pocket on one side is to be added. This modified part is not symmetrical.

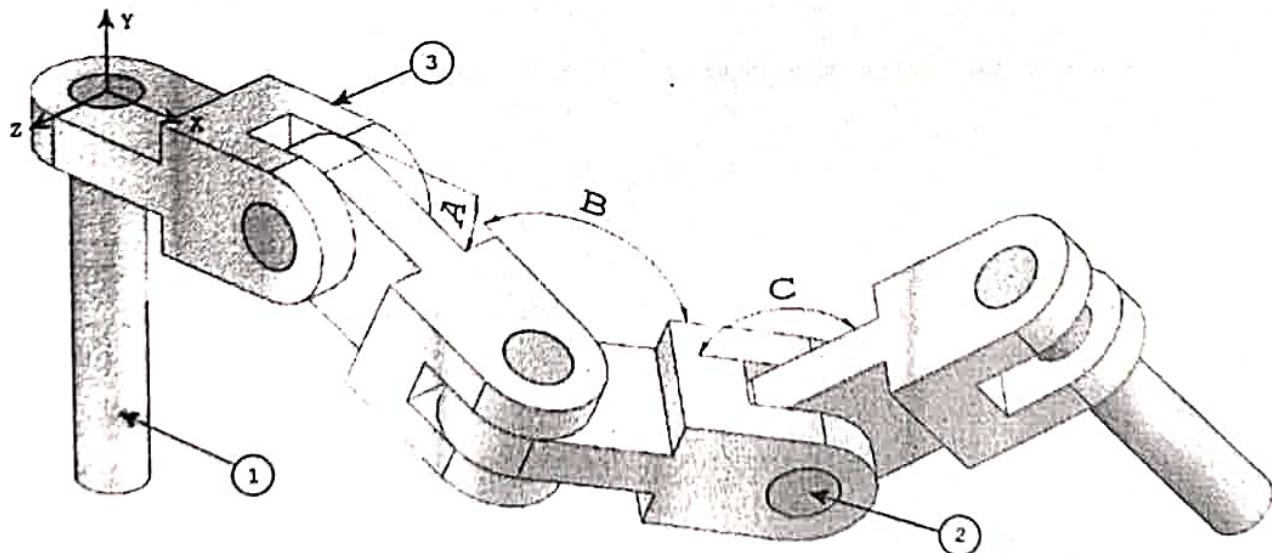
Note 2: Assume all unspecified dimensions are the same as in the previous question #5.

431.8

What is the overall mass of the part (grams)?

## Part 3: Assembly Modeling

This image is to be used to answer Questions #7 – 8.



7. Build this assembly in SOLIDWORKS (Chain Link Assembly)

- Download the attached zip file and open it.
- Save the contained parts and open those parts in SOLIDWORKS. (Note: If SOLIDWORKS prompts "Do you want to proceed with feature recognition?" please click "No".)
- IMPORTANT: Create the Assembly with respect to the Origin as shown in isometric view. (This is important for calculating the proper Center of Mass)  Create the assembly using the following conditions:
  1. Pins are mated concentric to chain link holes (no clearance).
  2. Pin end faces are coincident to chain link side faces.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: As shown in image

A = 25 degrees

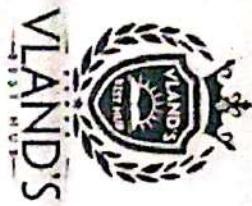
B = 125 degrees

C = 130 degrees

What is the center of mass of the assembly (millimeters)?

Hint: If you don't find an option within 1% of your answer please re-check your assembly.

- a) X = 348.66, Y = -88.48, Z = -91.40
- b) X = 308.53, Y = -109.89, Z = -61.40
- c) X = 298.66, Y = -17.48, Z = -89.22
- d) X = 448.66, Y = -208.48, Z = -34.64



# VLAND'S BEST HUB PVT LTD



## COURSE COMPLETION CERTIFICATE

**KARTHIKEYAN**

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

**In AGRICULTURE ENGINEERING**

**GRADE: A**

**MONTH: NOVEMBER 2018**

**732716108018**



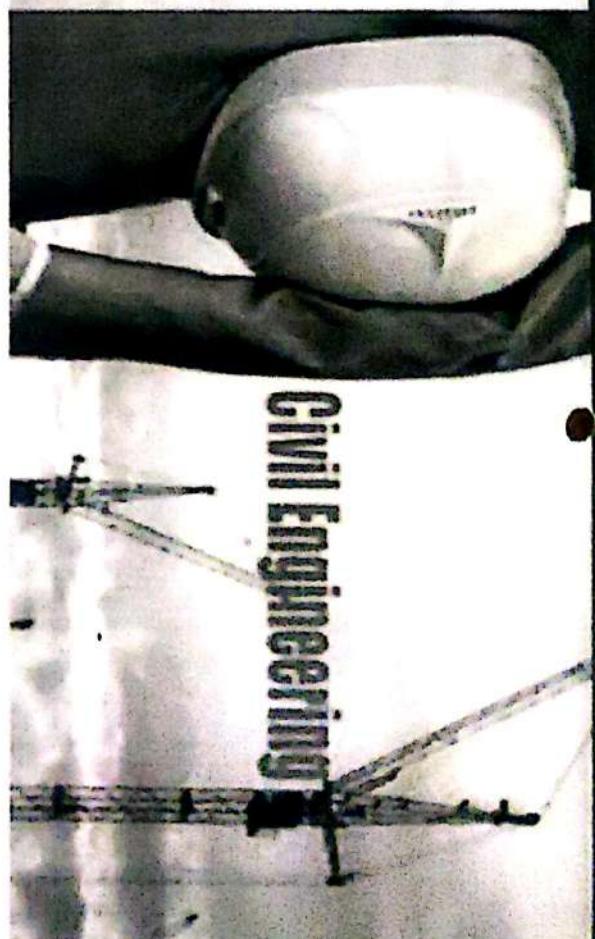
Connects Life & Learning

SRI SHANMUGHA COLLEGE OF  
ENGINEERING, KALYAN Nagar,  
TULLIPALAYAM,  
SANKAGIRI, TIRUCHIRAPPALAYAM.

Mr. VELU PERUMAL  
B.E., M.Tech(IIT), M.Eng(NUS), M.B.A.,  
CHAIRMAN



# VLAND'S BEST HUB PVT LTD



## COURSE COMPLETION CERTIFICATE

**CHEWANTHY**

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

*in AGRICULTURE ENGINEERING*

**GRADE: S**

**MONTH: NOVEMBER 2018**

**DURATION: 50 HOURS**



Center Code  
VBHCBE

S:9-10 A:8-3 9 B:7-7.9 C:6-6.9 D:5-5.9 E:4-4.9 F: BELOW AVERAGE

**PRINCIPAL**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY**  
**PUNI PALAYAM, KODAIKANAL,**  
**S. NAGARIKITI, SALAI**

**Mr. VELU PERUMAL**  
**B.E., M.Tech(IIT), M.Eng(NUS), M.B.A.,**  
**CHAIRMAN**

*[Signature]*

*[Signature]*

**732716108002**



## VLAND'S BEST HUB PVT LTD

### COURSE COMPLETION CERTIFICATE

DEVASAGAR

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

in AGRICULTURE ENGINEERING

GRADE: A

MONTH: NOVEMBER 2018

732716108004

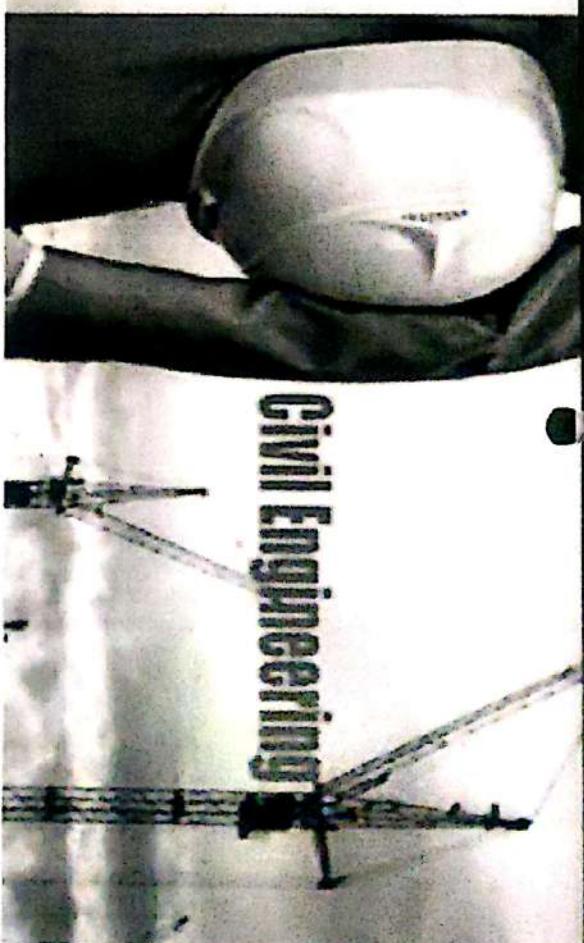
  
\_\_\_\_\_  
Mr. VELU PERUMAL

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.  
PRINCIPAL  
Center Code  
VBHCBE

\_\_\_\_\_  
B.E., M.Tech(IIT), M.Eng(NUS), M.B.A.,  
CHAIRMAN



# VLAND'S BEST HUB PVT LTD



## COURSE COMPLETION CERTIFICATE

**JENIFER SHELISHIYA**

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

*in AGRICULTURE ENGINEERING*

**GRADE: A**

**MONTH: NOVEMBER 2018**

**732716108015**



Center Code  
VBHCBE

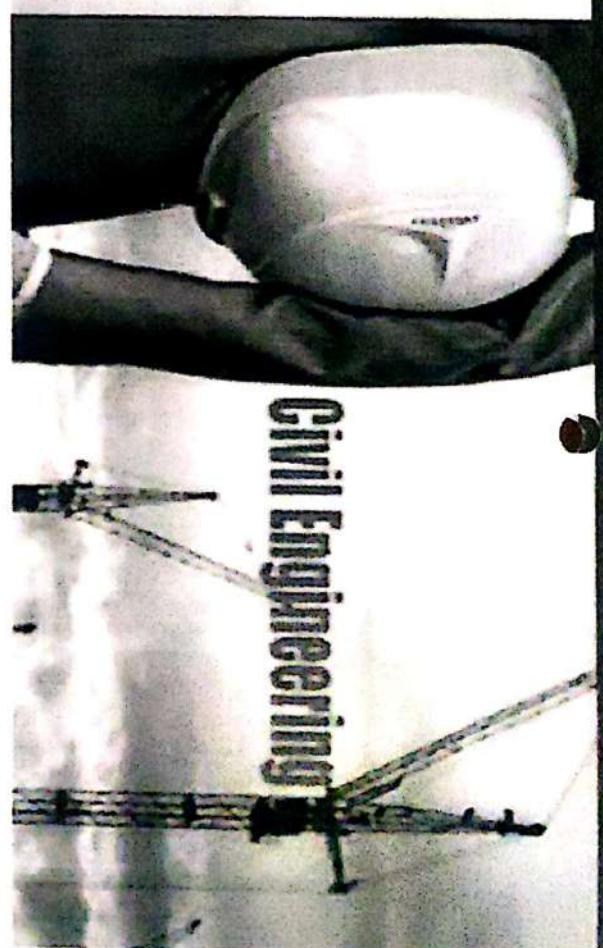
S: 9.10 A: 8.9 B: 7.7.9 C: 6.6.9 D: 5.5.9 E: 4.4.9 F: BELOW AVERAGE

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.**

**Mr. VELU PERUMAL  
B.E., M.Tech(IIT), M.Eng(NUS), M.B.A.,  
CHAIRMAN**



# VLAND'S BEST HUB PVT LTD



## COURSE COMPLETION CERTIFICATE

**DENISHBABU**

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

**in AGRICULTURE ENGINEERING**

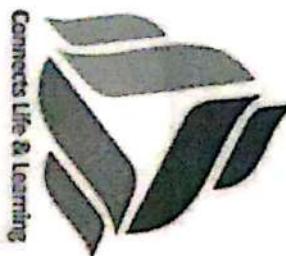
**GRADE: A**

**MONTH: NOVEMBER 2018**

**DURATION: 50 HOURS**

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGI(IIT), SALEM(ODI), T.N.**

**732716108003**



Connects Life & Learning

Center Code  
VBHCBE

Connects Life & Learning



Connects Life & Learning



## VLAND'S BEST HUB PVT LTD

### COURSE COMPLETION CERTIFICATE

**MADHUMITHA**

*has successfully completed training program in*

**FOUNDATION IN 3D DESIGN (SOLIDWORKS)**

In AGRICULTURE ENGINEERING

GRADE: A

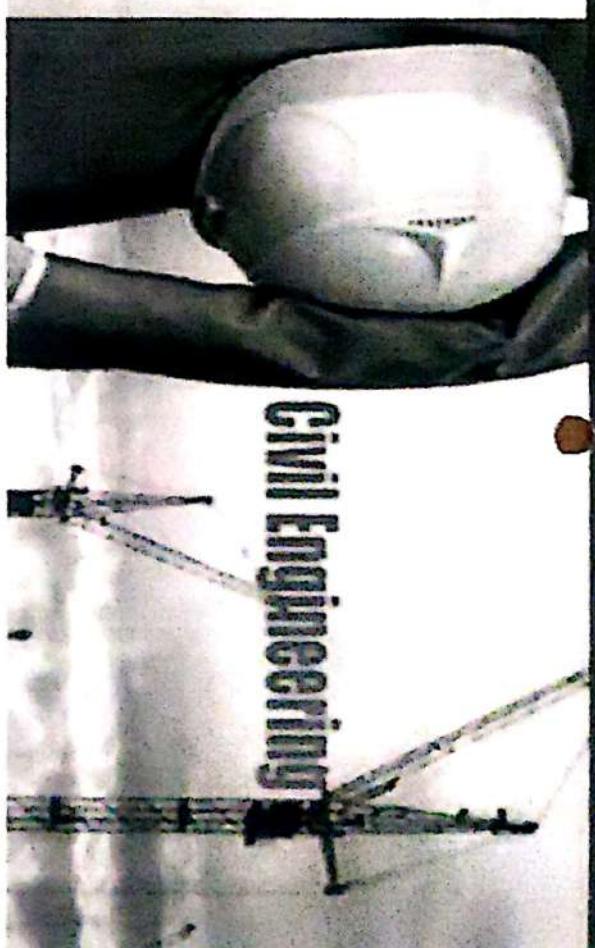
MONTH: NOVEMBER 2018

732716108025

DURATION: 50 HOURS

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIMALAYAM, MGRUR-637304.  
SANKAGI(TH), SALEM(DT), T.N.

Mr. VELU PERUMAL  
B.E., M.Tech(IIT), M.Eng(NUS), M.B.A.  
CHAIRMAN



8. Modify the assembly in SOLIDWORKS. (Chain Link Assembly)

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Assembly origin: Arbitrary

Using the same assembly created in the previous question modify the following parameters:

$$A = 30 \text{ degrees}$$

$$B = 115 \text{ degrees}$$

$$C = 135 \text{ degrees}$$

What is the center of mass of the assembly (millimeters)?

$$x = 327.6$$

$$y = -98.3$$

$$z = -62.9.$$

END OF TEST

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# Civil Engineering



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC ]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

### **FEEDBACK ANALYSIS REPORT FOR ACADEMIC YEAR 2018-2019**

#### **➤ STUDENTS' FEEDBACK:**

Requested for video lectures on construction of buildings using modern tools, more classes on soil mechanics lab experiments, auto-cad 2-D & 3D software training, project new models to understand the building structures, for Industrial visit to liquid retaining structures.

#### **➤ COMPLIANCE:**

NPTEL video lectures on constructing buildings using modern tools are shown to students and they are asked to develop models using the same mode. More number of Lab sessions on soil mechanics are allocated and the students are instructed to make use of the lab hours effectively. Software training on 3-D designing blueprints are ensured. One day industrial visit is arranged to the students to Bhavanisagar reservoir as to make them to understand the liquid retaining structure.

#### **➤ ALUMNI FEEDBACK:**

Suggested to provide enhanced software training in the 3<sup>rd</sup> year itself so that the students become acquainted with the same which would enable them to secure placements in design companies, to spare more time for doing projects so as to facilitate them to experiment more samples.

#### **➤ COMPLIANCE:**

Software training on Staadpro and Autocad were arranged for the students through Industrial experts. Students were made to do their projects from 7<sup>th</sup> semester end onwards. Placement Cell made the needful for the visit of more number of designing companies to the Institution. Alumni are asked to keep in touch with their juniors so as to project them the current scenario regarding the work filed.

#### **➤ TEACHERS' FEEDBACK:**

Requested for updated software training to the students so as to enrich their knowledge on new and innovative technology, for additional hours for completion of syllabus of analytical papers, insisted to increase the quantum of resources so as to enable the students to do their mini project during the working days under their direct supervision.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC ]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

➤ **COMPLIANCE:**

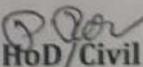
Updated software trainings such as Revit Architecture and Staadpro-V8 are given to students. Extra hours are allocated for the faculties based on the intensity of syllabus and additional sessions are allotted for those faculties who are handling analytical subjects so as to enable students to practice more number of problems and thus to become thorough with the subjects. Students are equipped with maximum resources so as to enable them to complete their mini project during the college working days under the direct supervision of the faculty.

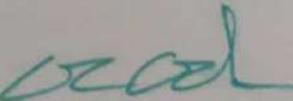
➤ **EMPLOYERS' FEEDBACK:**

Requested to provide intensive training for students to secure placement in the detailing companies, invite Alumni to interact with students and appraise them the hardships being faced in acquiring knowledge after placement and to provide communication training on various languages such as English, Japanese and German through Placement Training Cell, as there is vast scope in abroad.

➤ **COMPLIANCE:**

Adequate training on communication skill development is imparted to students through Placement and Training Cell. Alumni who got their placement in the core companies are all invited and they address the students and describes the ground realities before and after getting into the industry.

  
HoD/Civil



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.,

# Sri Shanmuga College of Engineering and Technology

Pullipalayam, Morur(Po), Sankagiri(Tk), Salem(Dt), Pn - 637 304, Tamil N.Ind, Ph: 04243-262797/993, 04243-261179

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC

Dr.R.Radhakrishnan, M.E, Ph.D  
Principal

SSCET/CIVIL/IV/2018/861

22.09.2018

To

The Superintending Engineer  
Water Resources Department (WRD)  
Bhavani Basin Circle  
Erode-638011.

Respected Sir

Sub: Permission for Field visit at Kalingarayan Anaicut & Bhavani Sagar Dam on 27.09.18 Reg

The students of Agriculture Engineering Department at Sri Shanmuga College of Engineering and Technology, as a part of the Engineering course we are undergoing Field Visit of Civil and Agriculture interest. We feel it will be fruitful for the students with academic background to have glimpse of the water resources Projects for the better appreciation of practical applications for full day on 27.09.18.

In the above background we would like to send a batch of 110 students (40 girls+70 boys) with Five faculty members from Civil and Agriculture Engineering Department to visit your Kalingarayan Anaicut and Bhavani Sagar Dam.

I request you to kindly accord the necessary permission for the above Field Visit and arrange for guiding the students. We assure that our students will observe the rules and regulations that are prescribed by the department and will in no way to disturb the functioning of the department during their visit.

Thanking You



Email: info@shanmughacollege.com

www.shanmughacollege.com

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.

Yours Truly

2219  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.

24.09.2018

From

P.Ramalingam  
Head of the Department,  
Department of Civil Engineering,  
Sri Shanmuga College of Engineering and Technology,  
Sankari.

To

The Principal,  
Sri Shanmuga College of Engineering and Technology,  
Sankari.

Respected Sir,

Sub: Permission for field Visit at Bhavanisagar Dam and Kalingarayan Anicut- Reg

I wish to bring to your kind notification that we had planned to undergo a field visit on 27.09.2018 for II, III and IV year Civil & II year Agriculture students (40 girls + 70 boys) with five faculty members from Civil and Agriculture Department at Bhavanisagar Dam and Kalingarayan Anicut river projects. Hence I request you to give permission to attending the field visit for the above mentioned place.

And also I request you to arrange the bus facility for field visit.

Thanking you,

Yours faithfully

  
(P.Ramalingam)

Permitted to visit.

  
24/9/18

Enclosure:

1. Students Name list with staff Name.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT). T.N.

24.09.2018

From

P.Ramalingam  
Head of the Department,  
Department of Civil Engineering,  
Sri Shanmugha College of Engineering and Technology,  
Sankari.

To

The Principal,  
Sri Shanmugha College of Engineering and Technology,  
Sankari.

Respected Sir,

Sub: Permission for field Visit at Bhavanisagar Dam and Kalingarayan Anicut- Reg

I wish to bring to your kind notification that we had planned to undergo a field visit on 27.09.2018 for II, III and IV year Civil & II year Agriculture students (40 girls + 70 boys) with five faculty members from Civil and Agriculture Department at Bhavanisagar Dam and Kalingarayan Anicut river projects. Hence I request you to give permission to attending the field visit for the above mentioned place.

And also I request you to arrange the bus facility for field visit.

Thanking you,

Yours faithfully

  
(P.Ramalingam)

Permitted to visit

  
24.09.18

  
PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK)-SALEM(DT).T:N.

Enclosure:

1. Students Name list with staff Name.

WATER RESOURCES DEPARTMENT

From  
Er.S.Natarajan,M.E.,  
Superintending Engineer, PWD,WRD,  
Bhavani Basin Circle, Erode-11.

To  
All the Executive Engineers of this  
Circle.

*aw*  
Lr. No: TS/AEE /AE /F. Training/2018, Dt: 24.09.2018

Sir,

- Sub: Visit to Bhavanisagar Dam and Kalingarayan Anicut - Students from Sri Shanmuga College of Engineering and Technology, Pullipalayam, Morur (Po), Sankari(Tk), Salem(Dt)- Permission granted - Reg.
- Ref: The Principal,Sri Shanmuga College of Engineering and Technology, Pullipalayam,Morur (Po),Sankari(Tk),Salem(Dt) – 637 304 Letter Dt:22.09.2018

With reference to the letter cited, permission is hereby accorded for the field visit to the Bhavanisagar Dam and Kalingarayan Anicut on 27.09.2018 (Thursday). The Executive Engineers are requested to follow the necessary safety procedures during the field visit.

Encl: As in Reference.

*Natarajan*  
for Superintending Engineer, PWD,WRD,  
Bhavani Basin Circle, Erode-11.  
*8.82 57241918*

Copy to the Principal,Sri Shanmuga College of Engineering and Technology, Pullipalayam to contact Er.K.Subbiah, Assistant Executive Engineer, PWD/WRD, Mobile No: 98400 42419 for visiting Bhavanisagar Dam and Er.Senthil Kumar, Assistant Executive Engineer, PWD/WRD, Mobile No: 99655 92970 for visiting Kalingarayan Anicut. It is requested to strictly adhere the instructions given by the Field Engineers during the field visit.

*Natarajan*  
for Superintending Engineer, PWD,WRD,  
Bhavani Basin Circle, Erode-11.  
*8.82 57241918*

*Prashant*  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT), T.N.

6/19/2020

Sri Shanmuga College of Engineering and Technology Mail - Fwd: Delivery Status Notification (Delay)



CIVIL HOD <hod.civil@shanmuga.edu.in>

## Fwd: Delivery Status Notification (Delay)

S.E Erode <sewroerode@gmail.com>  
To: hod.civil@shanmuga.edu.in

Tue, Sep 25, 2018 at 5:38 PM

Sir/Madam,

Please download the attachments.

Thank you

Superintending Engineer,  
Bhavani Basin Circle,  
Water Resource Department, PWD,  
Erode-11

----- Forwarded message -----

From: Mail Delivery Subsystem <mailer-daemon@googlemail.com>  
Date: Tue, Sep 25, 2018 at 4:45 PM  
Subject: Delivery Status Notification (Delay)  
To: sewroerode@gmail.com



### Delivery incomplete

There was a temporary problem delivering your message to [info@shanmughacollege.com](mailto:info@shanmughacollege.com). Gmail will retry for 46 more hours. You'll be notified if the delivery fails permanently.

[LEARN MORE](#)

The response was:

The recipient server did not accept our requests to connect. Learn more at <https://support.google.com/mail/answer/7720> [shanmughacollege.com 50.63.202.74: timed out]

Final-Recipient: rfc822; info@shanmughacollege.com  
Action: delayed  
Status: 4.4.1

<https://mail.google.com/mail/u/3?ik=0760c06548&view=pt&search=all&permmsgid=msg-f%3A18125812341767599118&tmpmsgid=msg-f%3A18125812341767599118> 1/2

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING, 118, TEGOOGARAI, PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.

6/19/2020

Sri Shanmuga College of Engineering and Technology Mail - Fwd: Industrial visit - Reg.



CIVIL HOD <hod.civil@shanmuga.edu.in>

## Fwd: Industrial visit - Reg.

S.E Erode <sewroerode@gmail.com>  
To: hod.civil@shanmuga.edu.in

Tue, Sep 25, 2018 at 5:38 PM

Sir/Madam,

Please download the attachments.

Thank you

Superintending Engineer,  
Bhavani Basin Circle,  
Water Resource Department, PWD,  
Erode-11

----- Forwarded message -----

From: S.E Erode <sewroerode@gmail.com>  
Date: Mon, Sep 24, 2018 at 3:11 PM  
Subject: Industrial visit - Reg.  
To: Executive engineer Bhavanisagar <eewrobsr@gmail.com>, Eelbp Erode <eelbperode@gmail.com>

Sir/Madam,

Please download the attachments.

Thank you

Superintending Engineer,  
Bhavani Basin Circle,  
Water Resource Department, PWD,  
Erode-11

2 attachments



IMG\_20180923\_164041.jpg  
3292K

Industrial training1.pdf  
34K

A handwritten signature in black ink.

<https://mail.google.com/mail/u/3?ik=0760c06548&view=pt&search=all&permmsgid=msg-f%3A1612581108310857272&slmpf=msg-f%3A16125811083...> 1/1

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK). SALEM(DT). T.N.



## Sri Shanmuga College of Engineering and Technology

### Department of Civil & Agriculture Engineering

#### **Faculty Name List:**

1. K.Mohan, AP/Civil
2. D.Logachandran, AP/Civil
3. M.Chitra, AP/Civil
4. R.Deepavani, AP/Civil
5. P.Sethupathi, AP/Civil

#### II year Name List

#### III year Name List

S.No	Register Number	Name of the Student	S.No	Register Number	Name of the Student
1	732717103001	Devaraj K R M	1	732716103001	Adhimoolaumaganapathi.G
2	732717103002	Dharani V	2	732716103002	Arun raj.S
3	732717103004	Gnanasugandari S	3	732716103003	Balasubramani.R
4	732717103005	Hemalatha R	4	732716103004	Dharani.M
5	732717103006	Kalai Selvam S	5	732716103005	Jegathisan.M
6	732717103007	Karan S	6	732716103006	Kalaiselvan.V
7	732717103008	Madhavan S	7	732716103008	Karuppu Raja.M
8	732717103009	Magudeswaran M	8	732716103012	Pradeep.S
9	732717103010	Maheswaran S	9	732716103013	Ramdhas.K
10	732717103012	Nagaraju R	10	732716103014	Rasool Ahmed.S
11	732717103013	Ranjith Kumar RA	11	732716103015	Sakthivel.J
12	732717103014	Raushan Kumar G	12	732716103016	Sakthivel.P
13	732717103015	Sanjay C	13	732716103017	Saran kumar.P
14	732717103017	Siddaraju S	14	732716103018	Sharmila.S
15	732717103018	Sivasankari T	15	732716103019	Suvetha.P
16	732717103020	Vidya V	16	732716103020	Udhayalakshmi.P
<b>IV year Name List</b>			17	732716103021	Venkadavan.V
			18	732716103022	Vinithkumar.V

1	732715103001	Anandhan.G
2	732715103003	Brabasuthan.M
3	732715103005	Indalkumar
4	732715103006	Kannan.P
5	732715103007	Karthik.G
6	732715103008	Manivannan.M
7	732715103009	Manju.S
8	732715103010	Manjuladevi.R.R
9	732715103011	Mekala.S

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**P.O: SANKAGIRI, A.Y.T: MOGUR-637304.**  
**SANKAGIRI(TM), SALEM(DT).T.N.**

21	732717108022	Krishnamoorthy R	50	732717108056	Suganya A K
22	732717108023	Krishnan J	51	732717108057	Varsha K
23	732717108024	Lalith D S	52	732717108058	Vasunthara E
24	732717108025	Madhankumar M	53	732717108059	Veeramani A
25	732717108026	Madhumitha R	54	732717108061	Vishnupriya G
26	732717108027	Manoj P	55	732717108062	Vishnupriya S
27	732717108025	Madhankumar M	56	732717108063	Yoheshwaran R
28	732717108028	Meena C	57	732717108301	Ragul G
29	732717108029	Melankumar T	58	732717108701	Harshine

Q. D. 2011  
HoD/Civil

24/09/18  
HoD/Agri

Permit  
20/09/18

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



Tamil Nadu Agricultural University  
Coimbatore - 641 003

Revised

Dr. E. Somasundaram, Ph.D.,  
Public Relations Officer  
Mobile: 94890 56730

Phone: 0422 - 6611302  
Fax: 0422 - 2431821  
E-mail: pro@tnau.ac.in

To  
Dr. G. Kavitha,  
Principal,  
Dept. of Agricultural Engineering,  
Shri Shanmuga Engineering & Technology,  
Sankari.  
Contact No: 04283-262999 / 98 / 97  
e-mail: rups2392@gmail.com

No. 186 / PRO-TNAU / Edu. Visit / SSET – Sankari / 2017 dt. 5-9-2017.

Sir,

Sub : PRO unit – Educational Visit – Permission – reg.  
Ref : Your e-mail dt. 5-9-2017.

As per the ref. cited, the students along with staff members from the Dept. of Agricultural Engineering, Shri Shanmuga Engineering & Technology, Sankari are permitted to visit the Tamil Nadu Agricultural University, Coimbatore on Sept. 7, 2017 instead of Sept. 6, 2017. During the tour they can visit the following Unit:

1. Dept. of Soil Science & Agri. Chemistry – (0422-6611235)
2. Agricultural Machinery & Research Centre – (0422-2457576)

You may kindly make your own arrangements for transport of the visitors.

Thanking you,

Yours sincerely,

Sd/-----

Public Relations Officer

CS: The Prof. & Head, Dept. of SS&AC / AMRC, TNAU, Coimbatore.  
with a request to kindly permit and expose the visitors about the ongoing activities.

CC: Technical Officer (Security), TNAU, Coimbatore.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

Date: 09.01.2019

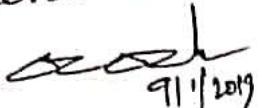
From

The Head of Department,  
Department of Civil Engineering,  
Sri Shanmuga College of Engineering and Technology,  
Sankari

To

The Principal,  
Sri Shanmuga College of Engineering and Technology,  
Sankari

HOD Civil  
Permitted to  
Conduct.

  
91/1/2019

Respected Madam/Sir,

Sub: Permission to conduct Revit Architecture Training for Civil Engineering students - reg.

With kind respect I would like to inform you that, VLAND's Best Hub Pvt Ltd, Coimbatore is going to conduct Revit Architecture Training for II year Civil Engineering student for Seven days. I assure that this training will be benefited to our student for placement. So, I request you to give permission to conduct this training for our student benefit. I have attached the training detail with this letter for your reference.

Thanking You

Yours Faithfully,



PRINCIPAL.  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



# Sri Shanmuga College of Engineering and Technology

## DEPARTMENT OF CIVIL ENGINEERING

C.NO:SSCET/CIVIL/COURSES/02/2018-19

Date: 04.01.2019

### CIRCULAR

This is to inform all the students of Civil Engineering Department that, M/s VLANDS Best Hub Pvt.Ltd has planned to conduct "Foundation in 3D Modelling (REVIT)" for all the years. Interested candidates are requested to register their names to their respective class advisors on or before 07.01.2019

*O. Devi*  
HOD/Civil

#### Copy to:

1. Circulate to Civil Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office

*o. devi* *sook*

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR - 637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

Academic Year - 2018 - 2019

Name of Company : VLAND's Best Hub Pvt Ltd, Coimbatore

Name of Certificate Course : Revit Architecture

Name of Trainer : Mr.G.Vishnu Prakash, Mr.T.Gautam

#### Syllabus

About BIM, About Revit Architecture, History of Revit, User interface, Project units, Levels, Grid Project template - Creating a wall, Editing a wall, Types of wall, Family of wall, Modifying a wall, Creating a floor, Modifying a floor, Applying a material to floor, Creating a roof, Types of roof, Creating a ceiling, Editing a ceiling - Add door, Editing a door, Adding a window, Editing a window, Placing component, Editing a component, Model in place , Using work plane - Create a ramping, Editing a ramping, Creating a railing, Modifying a railing, Stair by component/ stair by sketch, Editing a stair and Types of stair - Creating a wall opening , Create a face and vertical opening, Create a shaft opening, Create a dormer - Add room, room separation, tag room, Area plan, Area boundary, Tag area - Color fill legend, Quantity takeoff , Export schedule - Add curtain wall, Add curtain grid, Editing a curtain grid, Add curtain mullions, Editing curtain mullions - in-place mass (extrusion, loft, revolve and sweep), Topo surface, Site component , Parking component building pad - Camera, Walk through, Exporting Walkthrough, Sectional view, Drafting view duplicate view - Add sheet, Place views, Add title blocks, Types of title blocks - Creating a rendering, Exporting rendering, and Creating a solar studies, Exporting a solar studies - Import a cad model, Revit model and export to dwg format - Create door family, Create window family Create furniture.

Course Duration: 50 Hours

#### Time Table

S.NO	DATE	TOPIC	DURATION
1	11.01.2019	About BIM, About Revit Architecture, History of Revit, User interface, Project units, Levels, Grid Project template - Creating a wall, Editing a wall, Types of wall, Family of wall, Modifying a wall, Creating a floor, Modifying a floor, Applying a material to floor, Creating a roof, Types of roof, Creating a ceiling, Editing a ceiling - Add door, Editing a door, Adding a window, Editing a window, Placing component, Editing a component, Model in place , Using work plane - Create a ramping, Editing a ramping, Creating a railing, Modifying a railing, Stair by component/ stair by sketch, Editing a stair and Types of stair	8 Hrs
2	12.01.2019	Add door, Editing a door, Adding a window, Editing a window, Placing component, Editing a component, Model in place , Using work plane - Create a ramping, Editing a ramping, Creating a railing, Modifying a railing, Stair by component/ stair by sketch, Editing a stair and Types of stair	8 Hrs

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MOOR-637 304.  
SANKACIRI(TK).SALEM(D1).I.N.

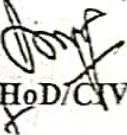


## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY.

### DEPARTMENT OF CIVIL ENGINEERING

3	09.02.2019	Creating a wall opening , Create a face and vertical opening, Create a shaft opening, Create a dormer - Add room, room separation, tag room, Area plan, Area boundary, Tag area	8 Hrs
4	10.02.2019	Color fill legend, Quantity takeoff, Export schedule - Add curtain wall, Add curtain grid, Editing a curtain grid, Add curtain mullions, Editing curtain mullions	8 Hrs
5	14.02.2019	Editing curtain mullions - in-place mass (extrusion, loft, revolve and sweep), Topo surface, Site component , Parking component building pad - Camera,Walk through, Exporting Walkthrough, Sectional view, Drafting view duplicate view	8 Hrs
6	15.02.2019	Add sheet, Place views, Add title blocks, Types of title blocks - Creating a rendering, Exportig rendering, and Creating a solar studies,	5 Hrs
7	16.02.2019	Import a cad model, Revit model and export to dwg format - Create door family, Create window family Create furniture.	5

  
Course Incharge

  
HoD/CIVIL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## Sri Shanmuga College of Engineering and Technology

### Department of Civil Engineering

Academic Year 2018-19

Name of Certificate Course : Revit Architecture

Name of company : VLAND's Best Hub Pvt Ltd, Coimbatore

#### Course Objective

Objective of this course is to obtain the knowledge of building information modeling methodology and its benefits using Revit Architecture.

#### Course Outcome

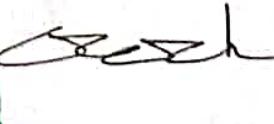
C1	Understand the concept and techniques of Revit Architecture software
C2	Create object model, elevation, section using several Revit Architecture tools.
C3	Acquire knowledge to work with 2D & 3D elements and Components

#### CO-PO Mapping

Course	PO1	PO2	PO3	PO4	PO5	PO 6	PO7	PO8	PO 9	PO10	PO 11	PO 12	PSO 1	PSO2
C1	2	1	3		2				1			1	3	2
C2	2	1	3		2				1			1	3	2
C3	2	1	3		2				1			1	3	2

Level: High – 3, Medium -2, Low -1

  
Course Incharge

  
Head Civil

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORIJR-637304,  
SANKAGIRI(TK). SALEM(DT). T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

#### List of Student Participants for Revit Architecture

S.No	Register No.	Name of the Student
1	732717103001	Devaraj K R M
2	732717103004	Gnanasugandari S
3	732717103005	Hemalatha R
4	732717103006	Kalai selvam S
5	732717103007	Karan S
6	732717103008	Madhavan S
7	732717103009	Magudeswaran M
8	732717103010	Maheswaran S
9	732717103012	Nagaraju R
10	732717103013	Ranjith kumar R A
11	732717103014	Raushan kumar G
12	732717103015	Sanjay C
13	732717103017	Siddaraju S
14	732717103018	Sivasankari T
15	732717103020	Vidya V

Venue: CAD Lab

~~Course Incharge~~

~~HOD/CIVIL~~

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.

VLAND's BEST Hub PVT LTD

No. 105, 3rd Floor, Sirve Towers, Tata Building Street,  
Comptatore - 641012, Tamilnadu, India  
Email : admin@vlandbesthub.com, Tel : +91 971 75454

ONSITE TRAINING PROGRAM KIT

Software Name

: Revit Architecture

Trainer Name 1

: G. Vishnu Prakash

Trainer Name 2

: T. Gautam

Institution Name

: Sri Shanmugha College of Engg & Technology

Department

: Civil - III year

Venue

: CAD Lab.

Session

: Full day

Onsite Incharge 1

: K. Niran .

Phone No : 9677749250

Onsite Incharge 2

: D. Logachandran

Phone No : 9524769259 .

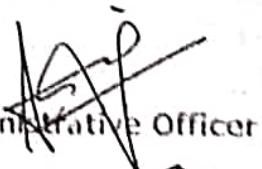
Student Representative 1 : S. Karan .

Phone No : 8680984238

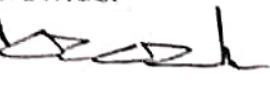
Student Representative 2 : R.A. Ranjithumar

Phone No : 6381095030 .

  
Brain Manager

  
Administrative Officer

  
PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SAÑKAGIRI(TK), SALEM(DT), T.N.



VLAND's BEST Hub PVT LTD

No: 101 - 1st Floor, Sri Vel Towers, Tata nad 11th Street,  
Chennai - 641012, Tamilnadu, India  
Email: vlandbesthub.com Tel: +91 422 4385464

LOG SHEET

S.No	Date	Topics Covered	Staff Sign	Student Sign
1	11/01/2019	About BIM, Revit Architecture , History of Revit, user interface project units	1/1	Karen S.
2		levels (grid project template - creating a wall, Editing a wall, Types of wall)	1/1	Karen S.
3	12/01/2019	Add door, editing a door, Adding a window, editing a window, placing component, Editing a component, placed in place, using rock plane - Create a railing, creating a railing - Stair by component, editing & types of stair	1/1	Karen S.
4		(Creating a wall opening, dealt a hole & vertical opening, create a shaft opening Create a domes Add room room separation Aggregates, area plan Area boundaries, tag areas color fill legend, quantity take off Export schedule, Add curtain wall gird, Editing a curtain gird, Add Curtain Mullions, editing curtain Mullions.	1/1	Karen S.
5	13/01/2019	Editing a curtain mullions, impalc res TPO Surface, Site component, Parking component building pad, Camera walk throughs, Exporting walk throughs, Add Sheet-price views - Add title blocks, types of title blocks - Create a rendering Exporting rendering & creating Jobber Address.	1/1	Karen S.
6	14/01/2019	Import a Cad model, Revit model & Export To dwg format - Create door & window family	1/1	Karen S.
7	15/01/2019		1/1	Karen S.
8	16/01/2019		1/1	Karen S.
9				
10				
11				
12				
13				
14				
15				

VLAND'S BUST STOP LTD  
No. 125, 3rd Floor, Sri Venkateswara Hall, Anna Salai Street,  
Commancheska Colony, Teynampet, Madras - 600 012.  
Email: vlandsbuststop@gmail.com, Tel: +91 922 422 1111

Attendance Form

S.No	Roll Number	Student Name	1/10/01	1/10/02	1/10/03	1/10/04	1/10/05	1/10/06	1/10/07	1/10/08	1/10/09	1/10/10	1/10/11	1/10/12	1/10/13	1/10/14	1/10/15
1	17-CEO01	Averagefik. R.M	Present														
2	17-CEO04	Kavadiyadoss. S.	Present														
3	17-CEO05	Hemalatha. P	Present														
4	17-CEO06	Rabibselvarani. S	Present														
5	17-CEO07	Karun. S.	Present														
6	17-CEO08	Nadhanan. S.	Present														
7	17-CEO09	Nagendran. N.	Present														
8	17-CEO10	Naveenaran. S.	Present														
9	17-CEO12	Nagengaju. E	Present														
10	17-CEO13	Brajithkumar. R.A	Present														
11	17-CEO14	Dareshanakumar. G.P	Present														
12	17-CEO15	Sanjay. C.	Present														
13	17-CEO17	Giddarayi. S	Present														
14	17-CEO18	Sivaganian. T	Present														
15	17-CEO20	Vidhaya. V.	Present														
16																	
17																	
18																	
19																	
20																	
21																	
22																	

PRINCIPAL,  
SRLSIAMMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLALAYAM, MORU  
SANKAC.RITK.SALE N.

**VILAND & BLISTER LTD**  
115, Gloucester Road, SW3. Telephone: Vauxhall 3470.  
Sewerage, Building, Construction, Heating  
and Ventilation Engineers, Finsbury, EC1. Tel. 01-422 1090.

Attention services FORUM



# Sri Shanmuga College of Engineering and Technology

Pullipalyam, Morur (Po), Sankari (Tk), Salem-637304

## Department of Civil Engineering

### Assessment for course on Design of Buildings using "REVIT ARCHITECTURE"

Name of the Student	Sanjay . c
Register Number	732717103015
Year/Sem	II / IV

1. What is the Revit family file format?

- A) FBX
- B) RVT
- C) RFA
- D) DWF



2. Define stair sketch method

- A) Stair by sketch
- B) Stair by face
- C) Stair in component
- D) Stair by floor

3. View Cube can be found in the \_\_\_\_\_ View

- A) Elevation View
- B) Section View
- C) Camera View
- D) 3d View

4. Where can you find the Window option in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

Principal,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

5. What is full form of UI in Revit Architecture?

- A) User Interface Workflow
- B) User Interface
- C) User Intersere
- D) None of these

6. Where can you locate Conceptual mass modeling?

- A) Ribbon palate
- B) Application menu bar
- C) Project Brower
- D) Property Palate

7. We typically sketch the shaft on a host element \_\_\_\_\_ view.

- A) Ceiling plan
- B) 2d plan
- C) Floor plan
- D) None of these

8. By which process we can draw floor by face?

- A) Create floor select mass floor
- B) Mass floor convert into floor building model
- C) Create mass floor us floor by face
- D) None of these

9. How can we create Ceiling?

- A) Ceiling defined by walls
- B) Sketch inside boundary
- C) Pick line method
- D) All the above

10. Where is the option Door located in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

11. What is the Wall short key?

A) WAL

B) WL

C) WA

D) WLL

✓

12. Create Beam in 3d View by using 3d snapping tools.

A) True

B) False

✗

13. How many types of railings are there?

A) 2

B) 4

C) 6

D) 7

14. What is the Revit project file format?

A) RFA

B) DWG

C) RVT

D) FBX

✓

15. Model Group: Use group when you plan to repeat layout many times in

a \_\_\_\_\_.

A) Files

B) Project and family

C) Family

D) None of these

16. What is the Project Unit short key?

A) PR

B) UN

C) PN

D) None of these

✗

✓  
✓

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.

17. What is the short key of Door?

- A) DO
- B) DOO
- C) DA
- D) DR

18. Where are we find the curtain wall?

- A) Build Panel
- B) Type Property
- C) Type Selector
- D) Instance Property

19. What is the Grid short key?

- A) GD
- B) GR
- C) GI
- D) GRD

20. You Can Collapse the tree by selecting the \_\_\_\_\_ in the Project browser.

- A) -icon
- B) +icon
- C) +icon and -icon
- D) None of these

  
Course Incharge

  
Principal  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 004,  
SANKAGIRI(1K), SALEM(MDT), T.N.



Sri Shanmugha College of Engineering and Technology

Pullipalyam, Morur (Po), Sankari (Tk), Salem-637304

Department of Civil Engineering

Assessment for course on Design of Buildings using "REVIT ARCHITECTURE"

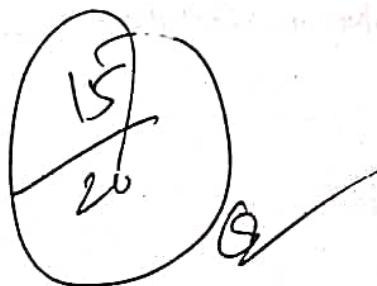
Name of the Student	Kalaiselvam.S
Register Number	732717103006
Year/Sem	II / IV

1. What is the Revit family file format?

- A) FBX
- B) RVT
- C) RFA
- D) DWF

2. Define stair sketch method

- A) Stair by sketch
- B) Stair by face
- C) Stair in component
- D) Stair by floor



3. View Cube can be found in the \_\_\_\_\_ View

- A) Elevation View
- B) Section View
- C) Camera View
- D) 3d View

4. Where can you find the Window option in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

Principal,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

5. What is full form of UI in Revit Architecture?

- A) User Interface Workflow
- B) User Interface
- C) User Interfere
- D) None of these

6. Where can you locate Conceptual mass modeling?

- A) Ribbon palate
- B) Application menu bar
- C) Project Browser
- D) Property Palate

7. We typically sketch the shaft on a host element \_\_\_\_\_ view.

- A) Ceiling plan
- B) 2d plan
- C) Floor plan
- D) None of these

8. By which process we can draw floor by face?

- A) Create floor select mass floor
- B) Mass floor convert into floor building model
- C) Create mass floor us floor by face
- D) None of these

9. How can we create Ceiling?

- A) Ceiling defined by walls
- B) Sketch inside boundary
- C) Pick line method
- D) All the above

10. Where is the option Door located in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

11. What is the Wall short key?

A) WAL

B) WL

C) WA

D) WLL



12. Create Beam in 3d View by using 3d snapping tools.

A) True



B) False

13. How many types of railings are there?

A) 2

B) 4

C) 6

D) 7



14. What is the Revit project file format?

A) RFA

B) DWG

C) RVT

D) FBX



15. Model Group: Use group when you plan to repeat layout many times in

a \_\_\_\_\_.

A) Files

B) Project and family

C) Family

D) None of these

16. What is the Project Unit short key?

A) PR



B) UN

C) PN

D) None of these

*occk*

*occk*  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

17. What is the short key of Door?

- A) DO
- B) DOO
- C) DA
- D) DR

18. Where are we find the curtain wall?

- A) Build Panel
- B) Type Property
- C) Type Selector
- D) Instance Property

19. What is the Grid short key?

- A) GD
- B) GR
- C) GI
- D) GRD

20. You Can Collapse the tree by selecting the \_\_\_\_\_ in the Project browser.

- A) -icon
- B) +icon
- C) +icon and -icon
- D) None of these

  
Course Incharge

  
.....

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLUPALAYAM, MORUR 637 011  
SANKAGIRI(TK), SALT M(D), T.N.



Sri Shanmuga College of Engineering and Technology

Pullipalyam, Morur (Po), Sankari (Tk), Salem-637304

Department of Civil Engineering

Assessment for course on Design of Buildings using "REVIT ARCHITECTURE"

Name of the Student	Karan . S
Register Number	732717103007
Year/Sem	II/IV

1. What is the Revit family file format?

- A) FBX
- B) RVT
- C) RFA
- D) DWF



2. Define stair sketch method

- A) Stair by sketch
- B) Stair by face
- C) Stair in component
- D) Stair by floor

3. View Cube can be found in the View View

- A) Elevation View
- B) Section View
- C) Camera View
- D) 3d View

4. Where can you find the Window option in ribbon palate?

- A) Circulation
- B) Build
- C) Model
- D) None of these

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

**5. What is full form of UI in Revit Architecture?**

- A) User Interface Workflow
- B) User Interface
- C) User Intersere
- D) None of these

**6. Where can you locate Conceptual mass modeling?**

- A) Ribbon palate
- B) Application menu bar
- C) Project Browser
- D) Property Palate

**7. We typically sketch the shaft on a host element \_\_\_\_\_ view.**

- A) Celling plan
- B) 2d plan
- C) Floor plan
- D) None of these

**8. By which process we can draw floor by face?**

- A) Create floor select mass floor
- B) Mass floor convert into floor building model
- C) Create mass floor us floor by face
- D) None of these

**9. How can we create Ceiling?**

- A) Ceiling defined by walls
- B) Sketch inside boundary
- C) Pick line method
- D) All the above

**10. Where is the option Door located in ribbon palate?**

- A) Circulation
- B) Build
- C) Model
- D) None of these

11. What is the Wall short key?

A) WAL

B) WL

C) WA

D) WLL

12. Create Beam in 3d View by using 3d snapping tools.

A) True

B) False

13. How many types of railings are there?

A) 2

B) 4

C) 6

D) 7

14. What is the Revit project file format?

A) RFA

B) DWG

C) RVT

D) FBX

15. Model Group: Use group when you plan to repeat layout many times in a \_\_\_\_\_.

A) Files

B) Project and family

C) Family

D) None of these

16. What is the Project Unit short key?

A) PR

B) UN

C) PN

D) None of these

17. What is the short key of Door?

- A) DO
- B) DOO
- C) DA
- D) DR

18. Where are we find the curtain wall?

- A) Build Panel
- B) Type Property
- C) Type Selector
- D) Instance Property

19. What is the Grid short key?

- A) GD
- B) GR
- C) GI
- D) GRD

20. You Can Collapse the tree by selecting the \_\_\_\_\_ in the Project browser.

- A) -icon
- B) +icon
- C) +icon and -icon
- D) None of these

~~Gopal~~  
Course Incharge

PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
FULUPALAYAM, MORULU-637301,  
GANGAGIRI (TK), SALEM (DTL), T.N.



VLAND'S BEST HUB PVT LTD

CIVIL ENGINEERING

COURSE COMPLETION CERTIFICATE

GNANASUGANDARI S

*has successfully completed training program in*

FOUNDATION IN 3D MODELING (REVIT)

in CIVIL ENGINEERING

GRADE : S

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
FULLPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

Connects Life & Learning



7327

MONTH: FEBRUARY 2019

7327:

09



VLAND'S BEST HUB PVT LTD

COURSE COMPLETION CERTIFICATE

SANJAY G

has successfully completed training program in

FOUNDATION IN 3D MODELING (REVIT)

in CIVIL ENGINEERING

GRADE : S



SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DI), T.N.

MONTH: FEBRUARY 2019



7327:

09



VLAND'S BEST HUB PVT LTD

Civil Engineering

COURSE COMPLETION CERTIFICATE

MAHESWARAN S

has successfully completed training program in

FOUNDATION IN 3D MODELING (REVIT)

in CIVIL ENGINEERING

GRADE: S

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

MONTH: FEBRUARY 2019



Civil Engineering



VLAND'S BEST HUB PVT LTD

COURSE COMPLETION CERTIFICATE

RANJITH KUMAR R A

has successfully completed training program in

FOUNDATION IN 3D MODELING (REVIT)

In CIVIL ENGINEERING

GRADE : S

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

MONTH: FEBRUARY 2019

7327:



Civil Engineering



VLAND'S BEST HUB PVT LTD

COURSE COMPLETION CERTIFICATE

RAUSHAN KUMAR G

has successfully completed training program in

FOUNDATION IN 3D MODELING (REVIT)

in CIVIL ENGINEERING

GRADE : S

MONTH: FEBRUARY 2019

7327

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 204.  
SALEM(GT), SALEM(DT), I.N.





## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Sankari (TK), Salem – 637304.

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improve the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor    2.Satisfactory    3. Fair    4. Good    5. Very Good]

Semester: I/V

Branch: CIVIL

Date: 16/2/2019

Name of the Course: Revit Architecture

S.NO	CRITERIA	RATING
1	Gaining Knowledge	4
2	Training Content	5
3	Quality of Instruction	4
4	Releasing Your Expectation in Training	5
5	Interaction with Participants	5
6	Usefulness of the Session	5

FACULTY	AVERAGE RATING
Mr.G.Vishnu Prakash.	4.6

Any other Comments:

useful to us .

ad

ad

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(UT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Sankari (TK), Salem – 637304.

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improve the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor    2.Satisfactory    3. Fair    4. Good    5. Very Good]

Semester: | ✓

Branch: CIVIL

Date: 16/2/2019.

Name of the Course: Perit Architecture

S.NO	CRITERIA	RATING
1	Gaining Knowledge	4
2	Training Content	4
3	Quality of Instruction	4
4	Releasing Your Expectation in Training	5
5	Interaction with Participants	4
6	Usefulness of the Session	4

FACULTY	AVERAGE RATING
Mr-Vishnupadash	4.17

Any other Comments:

Good & useful to learn new things.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.I.C), Salem (D.T).Pin. 637301.

### DEPARTMENT OF CIVIL ENGINEERING

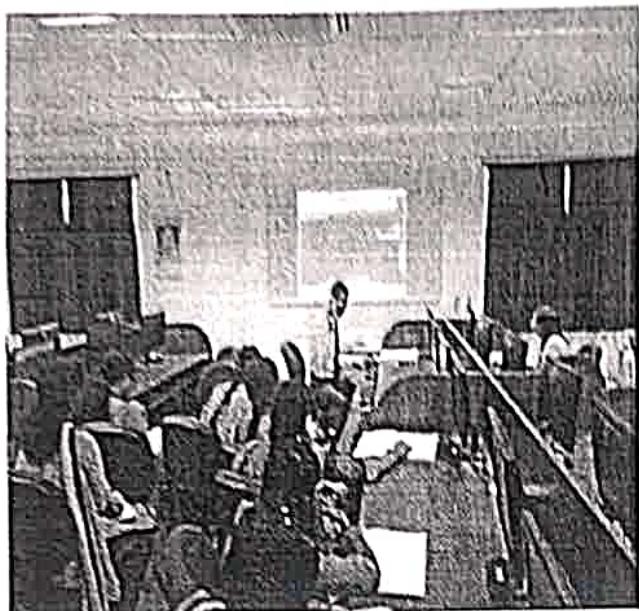
#### Report for Certificate course on Revit Architecture

The department of Civil Engineering organized a Seven days Certificate course on Revit Architecture for 3<sup>rd</sup> year students of Civil Engineering successfully from 11.01.2019- 16.02.2019. In this Revit Structure training course, we will teach you the fundamentals of building information modeling for structural engineering. This course is designed for the absolute beginner, meaning no prior experience with Revit or other CAD/BIM software is required. The course teaches you how to use the powerful tools and features available in the latest version from Autodesk Revit. This course is designed for the absolute beginner, meaning no previous experience with Revit Architecture is required. They started with a tour of the user interface, then jump into learning about column grids. From there, they will teach you about walls, doors and windows, including how to offset a wall, place a door, and adjust walls and columns. The course also covers topics including views, floors, roofs, ceilings, casework, and stairs and also learn about topography, rooms, and how to prepare and render a scene. Through this training they will learn how to add a foundation, create structural reinforcement, and place beams and framing. Tim will also teach you how to create floor systems and shaft openings, add detailing, and use Work-sharing. Finally, you will learn how to export images and create a walkthrough for presentations.

Once you have completed this computer based training course, you will have developed the knowledge necessary to use the tools and techniques in Revit Structure to create your own models. Working files are included, allowing you to follow along with the author throughout the lessons. Overall the training was practically sound and the long term expected result is to make students which will help them in building the path of their carrier

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.





PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM MORUR-637 304,  
SANKAGIRI(TN), SALEM(DT), T.N.

asal

asal

Date: 09.02.2019

From

The Head of Department,  
Department of Civil Engineering,  
Sri Shanmuga College of Engineering and Technology,  
Sankari

Head/Civil

Permission to  
conduct  
Staad Pro  
along  
09/02/19

To

The Principal,  
Sri Shanmuga College of Engineering and Technology,  
Sankari

Respected Madam,

Sub: Permission to conduct Staad Pro Training for Civil Engineering students - reg.

With kind respect I would like to inform you that, VLAND's Best Hub Pvt Ltd, Coimbatore is going to conduct Staad Pro Training for IV year Civil Engineering student for seven days. I assure that this training will be benefited to our student for placement. So, I request you to give permission to conduct this training for our student benefit. I have attached the training detail with this letter for your reference.

Thanking You

Yours Faithfully







PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



Sri Shanmuga College of Engineering and Technology

DEPARTMENT OF CIVIL ENGINEERING

C.NO:SSCET/CIVIL/COURSES/03/2018-19

Date: 04.02.2019

**CIRCULAR**

This is to inform all the students of Civil Engineering Department that, M/s VLANDS Best Hub Pvt.Ltd has planned to conduct "Foundation in 3D Design (STAAD.RPO)" for all the years. Interested candidates are requested to register their names to their respective class advisors on or before 07.02.2019

  
HOD/Civil

Copy to:

1. Circulate to Civil Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office

  
  
  
**PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.**



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

Academic Year – 2018-2019

Name of Company : VLAND's Best Hub Pvt Ltd, Coimbatore

Name of Certificate Course : Staad Pro

Name of Trainer : Mr. M.Pradeepkumar

#### Syllabus

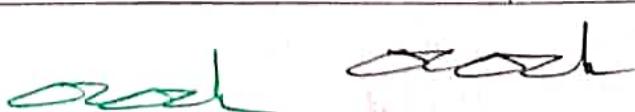
Introduction to Staad.Pro, History, Applications of staad.Pro, Fundamentals of analysis & design , Various Indian codes, Project Units, Work flow - Using Add beam, Using Add plate, Using snap/node, Using Staad Editor, using Repeat option, Using Structure wizard - Assigning Properties, Assigning Support and Assigning Loads - Pre-Analysis, Run Analysis, Post Processing analysis and Load Combination - Using IS Code Beam and Column design, Select Design Parameters, Select Commands - Standards for Earthquake, Principles and design as per IS Code and Wind analysis as per IS Code - Water Tank Analysis (Rectangular and Circular), Staircase Analysis (Dogleg and Circular), Shear wall Modeling and analysis, Slab analysis - Basic about Steel structure, Various Truss Model and Truss design and Transmission tower using import CAD Model - Basic about Various Footing, Design of Isolated, Combined, Pile cap and Mat foundation Using Staad. Foundation.

Course Duration: 45 Hours

#### Time Table

S.NO	DATE	TOPIC	DURATION
1	09.02.2019	Introduction to Staad.Pro, History, Applications of staad.Pro, Fundamentals of analysis & design , Various Indian codes, Project Units, Work flow - Using Add beam, Using Add plate, Using snap/node, Using Staad Editor, using Repeat option, Using Structure wizard	8 Hrs
2	10.02.2019	Assigning Properties, Assigning Support and Assigning Loads - Pre-Analysis, Run Analysis, Post Processing analysis and Load Combination	8 Hrs
3	14.02.2019	Using IS Code Beam and Column design, Select Design Parameters, Select Commands - Standards for Earthquake, Principles and design as per IS Code and Wind analysis as per IS Code	8 Hrs

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.





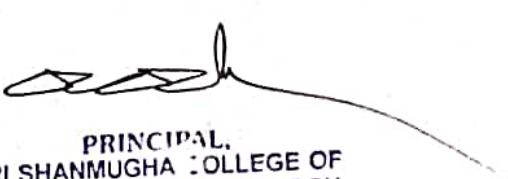
## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

4	15.02.2019	Water Tank Analysis (Rectangular and Circular), StairCase Analysis (Dogleg and Circular), Shear wall Modeling and analysis, Slab analysis	8 Hrs
5	16.02.2019	Basic about Steel structure, Various Truss Model and Truss design and Transmission tower using import CAD Model	8 Hrs
6	17.02.2019	Basic about Various Footing, Design of Isolated, Combined, Pilecap and Mat foundation Using Staad.foundation.	5 Hrs

  
Course Incharge

  
HoD/CIVIL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIFALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## Sri Shanmuga College of Engineering and Technology

### Department of Civil Engineering

Academic Year 2018-19

Name of Certificate Course : Staad Pro

Name of company : VLAND's Best Hub Pvt Ltd, Coimbatore

#### Course Objective

Objective of this course is to obtain the knowledge of structural analysis, Design of structure, 3D model generation and Multi-material design using Staad Pro.

#### Course Outcome

C1	Understand the concept and techniques of Staad Pro software.
C2	Create design of Steel, Column, Aluminum and Cold-formed steel using Staad Pro software.
C3	Acquire knowledge to Structural Modeling, Designing and Analysis, Integrated design and Finite Element Analysis.

#### CO-PO Mapping

Course	P01	P02	P03	P04	P05	P0 6	P07	P08	P0 9	P010	P0 11	P0 12	PSO 1	PSO2
C1	2	2	3	1	2			1	1			3	3	2
C2	2	2	3	1	2			1	1			3	3	2
C3	2	2	3	1	2			1	1			3	3	2

Level: High – 3, Medium -2, Low -1

~~Course Incharge~~

~~DD Civil~~

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

#### List of Student Participants for Staad Pro

S.No	Register No.	Name of the Student
1	732716103001	ADHIMOOLAUMAGANAPATI.I.G
2	732716103002	ARUN RAJ.S
3	732716103003	BALASUBRAMANI.R
4	732716103004	DHARANI.M
5	732716103005	JEGATHISAN.M
6	732716103006	KALAISELVAN.V
7	732716103008	KARUPPU RAJA.M
8	732716103012	PRADEEP.S
9	732716103013	RAMDHAS.K
10	732716103014	RASOOL AHMED.S
11	732716103016	SAKTHIVEL.P
12	732716103017	SARAN KUMAR.P
13	732716103018	SHARMILA.S
14	732716103019	SUVETHA.P
15	732716103020	UDHAYALAKSHMI.P
16	732716103021	VENKADAVAN.V
17	732716103022	VINITHKUMAR.V

Venue: Mechatronics Lab

  
Course Incharge

  
Head/CIVIL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



VLAND's BEST Hub PVT LTD  
No: 105, 3rd Floor, Sri Vel Towers, Tata bad 11th Street,  
Colmbatore - 611012, Tamilnadu, India.  
Email : admin@vlandsbesthub.com, Tel : +91 722 4385464

### ONSITE TRAINING PROGRAM KIT

Software Name : Solid Pro

Trainer Name 1 : Mr. M. Pradeepkumar

Trainer Name 2 : -

Institution Name : Sri Shanmuga College of Engineering & Technology

Department : CIVI

Venue : CAD Lab

Session : Full day

Onsite Incharge 1 : K. Mohan . Phone No : 9677749250

Onsite Incharge 2 : P. Settupathi Phone No : 9952866750

Student Representative 1 : Dhoni. M.F Phone No : 73390 06086

Student Representative 2 : Vinith Kumar V. Phone No : 9047856042

  
Branch Manager

  
Administrative Officer

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.

VLAND's BEST Hub PVT LTD

No. 1008, 1st Floor, 5th Vel Towers, Tata nad 11th Street  
Combatore - 611017, Tamilnadu, India  
Email: admin@vlandsbesthub.com, Tel: +91 422 4385469

LOG SHEET

L.No	Date	Topics Covered	Staff Sign	Student Sign
1	09/02/2019	Introduction to Stadd Pro, History, applications of Stadd pro, Fundamentals of analysis & design, Various Endic codes, project units, workflow - using Add beam, Using add plate, Using snapnode, using Stadd editor, using Repeat option, using Structure wizard.	P. Sripathi	Dw
2	10/2/2019	Assigning Properties, Assigning Support & Assigning loads - pre Analysis, Run Analysis, post processing analysis & load combination	P. Sripathi	Dw
3	11/2/2019	using BS code, Beam & column designs, Steel section parameters, Select commands - Standards for E-Q, Principles of design as per BS code & wind analysis, Water tank Analysis, Stair case, shear wall	P. Sripathi	Dw
4	14/2/2019	Modeling & slab Analysis.	P. Sripathi	Dw
5	15/2/2019	Basic About Steel Structure, various Truck model, Tires design & transmission tires using import CAD Model.	P. Sripathi	Dw
6	16/2/2019	Basic About Various footing, Design of Isolated, combined, tie cap & mat foundations using Stadd foundation.	P. Sripathi	Dw
7	17/02/2019			
8				
9				
10				
11				
12				
13				
14				
15				

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.

orai

orai

S.No	Roll Number	Student Name	Contact Number	9/2/2019	10/2/2019	11/2/2019	14/02/2019	15/2/2019	16/2/2019	17/2/2019	17/02/2019.
				FN	AN	FN	AN	FN	AN	FN	AN
1	16CE001	Aadhirajapathi	63341377199	1	1	1	1	1	1	1	1
2	16CE002	Amritaji.S	979976094	1	1	1	1	1	1	1	1
3	16EE003	Bahudanamir	73339045002	1	1	1	1	1	1	1	1
4	16EC004	Dharani.M	7331006286	1	1	1	1	1	1	1	1
5	16EC005	Jayashish.M.	6381426701	1	1	1	1	1	1	1	1
6	16EE006	Kalaiselvan.V	88338817360	1	1	1	1	1	1	1	1
7	16CE008	Rajappuraj.M	8220982431	1	1	1	1	1	1	1	1
8	16EC012	Pradeep.S	8344393806	1	1	1	1	1	1	1	1
9	16IE013	Ramdas.K	9098129753	1	1	1	1	1	1	1	1
10	16IE014	Rasheed.Abdul	9904987112	1	1	1	1	1	1	1	1
11	16CE016	Sakthivel.P	9593404322	1	1	1	1	AB	AB	1	1
12	16FE017	Sengkuvarap	9080833493	1	1	1	1	1	1	1	1
13	16IE018	Sharmila.S	6381069698	1	1	1	1	1	1	1	1
14	16CE019	Sivethra.P	9080942315	1	1	1	1	1	1	1	1
15	16IE020	Udayakarunig	638084666	1	1	1	1	1	1	1	1
16	16CE021	Venkadavuni.V	9742417616	1	1	1	1	1	AB	1	AB AB
17	16IE022	Vanthikumar.V	904785642	1	1	1	1	1	1	1	1
18											
19											
20											
21											
22											

Attendance Form

S.No	Roll Number	Student Name	9/2/2019	9/2/2019	9/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19	10/2/19
1	16CE001	Amit Kumar Agarwal	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
2	16CE002	Anu Raj S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
3	16CE003	Balasubramanian Balachandar	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
4	16CE004	Dhanani M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
5	16CE005	Jeganathan M	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
6	16CE006	Kalaiselvan V	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
7	16CE008	Koushik Rajam	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
8	16CE012	Madhav S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
9	16CE013	Rajendras K	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
10	16CE014	Rasool Ahmed. S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
11	16CE016	Shuktivel P	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
12	16CE017	Saranya S	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
13	16CE018	Sharmila S.	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
14	16CE019	Surethai P	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
15	16CE020	Udayakalathmi P	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
16	16CE021	Varshavani V	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
17	16CE022	Vishth Kumar. V	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
18																			
19																			
20																			
21																			
22																			

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-633 104,  
TANJAVUR DISTRICT, T.N.



Sri Shanmuga College of Engineering and Technology

Pullipalyam, Morur (Po), Sankari (Tk), Salem-637304

Department of Civil Engineering

Assessment for course on Analysis of Structures using "STADD PRO"

Name of the Student	S.Shaemila
Register Number	738716103018
Year/Sem	III /V

17  
15

1. For Plates, Which one of the following is true?

- A) In order to release a Plate you can release the Beams holding the plate
- B) You can release the Nodes of the Plates.
- C) You can release more than one Nodes of the Plates.

D) Options B & C.

2. The minimum and maximum limits of number of divisions of each side are 1 to 100.

- A) True
- B) False

3. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X, Y, Z?

- A) Circular Repeat
- B) Mirror
- C) Translational Repeat
- D) Insert Nodes

4. In how many ways can we assign support to Nodes?

- A) 1
- B) 4
- C) 2
- D) 5

5. Indian Standard Criteria for Earthquake Resistant design of Structure is?

- A) IS 1893-2003
- B) IS 1893-2002
- C) IS 1892-2005
- D) IS 1892-2003

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

6. Which of the following sub-pages are in Foundation Plan Pages?

- A) Linear Grid Setting
- B) Radial Grid Setup
- C) Column Positioning
- D) Column Dimension and width

7. Pinned Support will have \_\_\_\_\_ reactions.

- A) 2
- B) 6
- C) 4
- D) 3

8. In Concentrated Load, P is :

- A) All of the above
- B) Force Direction
- C) Perpendicular distance from the member
- D) Value of Load

9. Dead loads are self-weights of material, equipment, or components that are relatively constant throughout the structure's life.

- A) True
- B) False

10. In floor load, Y is the :

- A) Affective height
- B) Floor height
- C) Building height
- D) All of the Above

11. How many types of meshing we have in STAAD.Pro?

- A) 1
- B) 2
- C) 5
- D) 4

12. In track parameter, we have which of the following values?

- A) 2, 3, 4
- B) 0, 1, 2
- C) 1, 0, 2
- D) 1, 2, 3

13. In Meshing Parametric dialog box, by default, bias value is \_\_\_\_\_ and divi value is \_\_\_\_\_.

- A) Bias is 1 Divi is 15
- B) Bias is 1 Divi is 11
- C) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10

14. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?

- A) 1
- B) 3
- C) 6
- D) 5

15. In concrete design parameter, by default, value for clt (Clear Cover top) is:

- A) 25mm
- B) 12mm
- C) 30mm
- D) 20mm

16. The \_\_\_\_\_ group allows you to change the display of load arrows.

- A) Modeling Scale
- B) Loading Scale
- C) Displacement
- D) Result Scales

17. B.E.A.V.A supports:

- A) UK BS 5400
- B) IRC chapter 2
- C) IS 456
- D) All of the Above

18. You can also edit the parameters in structure wizards models.

- A) True
- B) False

19. STAAD.Pro Perform Analysis is:

- A) Taking into consideration the Displacement of Nodes
- B) Taking into consideration the Stiffness Correction
- C) Multi- Iteration Analysis
- D) None of the Above

20. How many types of Models are available in the Structure Wizard?

- A) 5
- B) 8
- C) 7
- D) 6



Sri Shanmuga College of Engineering and Technology

Pullipalyam, Morur (Po), Sankari (Tk), Salem-637304

Department of Civil Engineering

Assessment for course on Analysis of Structures using "STADD PRO"

Name of the Student	M. Dheerani
Register Number	732716103004
Year/Sem	III / VI

1. For Plates, Which one of the following is true?

- A) In order to release a Plate you can release the Beam's holding the plate
- B) You can release the Nodes of the Plates.
- C) You can release more than one Nodes of the Plates.
- D) Options B & C.

(15)

2. The minimum and maximum limits of number of divisions of each side are 1 to 100.

- A) True
- B) False

3. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X, Y, Z?

A) Circular Repeat

B) Mirror

C) Translational Repeat

D) Insert Nodes

4. In how many ways can we assign support to Nodes?

- A) 1
- B) 4
- C) 2
- D) 5

5. Indian Standard Criteria for Earthquake Resistant design of Structure is?

- A) IS 1893-2003
- B) IS 1893-2002
- C) IS 1892-2005
- D) IS 1892-2003

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK)-SALEM(DT).T.N.

6. Which of the following sub-pages are in Foundation Plan Pages?

- A) Linear Grid Setting
- B) Radial Grid Setup
- C) Column Positioning
- D) Column Dimension and width

7. Pinned Support will have \_\_\_\_\_ reactions.

- A) 2
- B) 6
- C) 4
- D) 3

8. In Concentrated Load, P is :

- A) All of the above
- B) Force Direction
- C) Perpendicular distance from the member
- D) Value of Load

9. Dead loads are self-weights of material, equipment, or components that are relatively constant throughout the structure's life.

- A) True
- B) False

10. In floor load, Y is the :

- A) Affective height
- B) Floor height
- C) Building height
- D) All of the Above

11. How many types of meshing we have in STAAD.Pro?.

- A) 1
- B) 2
- C) 5
- D) 4

12. In track parameter, we have which of the following values?

- A) 2, 3, 4
- B) 0, 1, 2
- C) 1, 0, 2
- D) 1, 2, 3

13. In Meshing Parametric dialog box, by default, bias value is \_\_\_\_\_ and divi value is \_\_\_\_\_.

- A) Bias is 1 Divi is 15
- B) Bias is 1 Divi is 11
- C) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10

14. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?

- A) 1
- B) 3
- C) 6
- D) 5

15. In concrete design parameter, by default, value for cct (Clear Cover top) is:

- A) 25mm
- B) 12mm
- C) 30mm
- D) 20mm

16. The \_\_\_\_\_ group allows you to change the display of load arrows.

- A) Modeling Scale
- B) Loading Scale
- C) Displacement
- D) Result Scales

17. B.E.A.V.A supports:

- A) UK BS 5400
- B) IRC chapter 2
- C) IS 456
- D) All of the Above

18. You can also edit the parameters in structure wizards models.

- A) True
- B) False

19. STAAD.Pro Perform Analysis is:

- A) Taking into consideration the Displacement of Nodes
- B) Taking into consideration the Stiffness Correction
- C) Multi- Iteration Analysis
- D) None of the Above

20. How many types of Models are available in the Structure Wizard?

- A) 5
- B) 8
- C) 7
- D) 6



## Department of Civil Engineering

Assessment for course on Analysis of Structures using "STADD PRO"

Name of the Student	Vinith Kumar . V
Register Number	732716103022
Year/Sem	IV / VII

1. For Plates, Which one of the following is true?

- A) In order to release a Plate you can release the Beams holding the plate
- B) You can release the Nodes of the Plates.
- C) You can release more than one Nodes of the Plates.
- D) Options B & C.

13  
26

2. The minimum and maximum limits of number of divisions of each side are 1 to 100.

- A) True
- B) False

3. With the help of which of the following functions, you can duplicate Nodes, Beams, and Plates, in the direction of X, Y, Z?

- A) Circular Repeat
- B) Mirror
- C) Translational Repeat
- D) Insert Nodes

4. In how many ways can we assign support to Nodes?

- A) 1
- B) 4
- C) 2
- D) 5

5. Indian Standard Criteria for Earthquake Resistant design of Structure is?

- A) IS 1893-2003
- B) IS 1893-2002
- C) IS 1892-2005
- D) IS 1892-2003

PRINCIPAL,

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR 637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

6. Which of the following sub-pages are in Foundation Plan Pages?

- A) Linear Grid Setting
- B) Radial Grid Setup
- C) Column Positioning
- D) Column Dimension and width

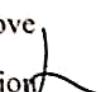
7. Pinned Support will have \_\_\_\_\_ reactions.

- A) 2
- B) 6
- C) 4
- D) 3



8. In Concentrated Load, P is :

- A) All of the above
- B) Force Direction
- C) Perpendicular distance from the member
- D) Value of Load



9. Dead loads are self-weights of material, equipment, or components that are relatively constant throughout the structure's life.

- A) True
- B) False



10. In floor load, Y is the :

- A) Affective height
- B) Floor height
- C) Building height
- D) All of the Above

- A) 1
- B) 2
- C) 5
- D) 4



11. How many types of meshing we have in STAAD.Pro?.

- A) 2, 3, 4
- B) 0, 1, 2
- C) 1, 0, 2
- D) 1, 2, 3



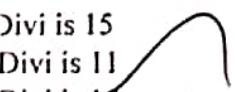
12. In track parameter, we have which of the following values?

- A) 2, 3, 4
- B) 0, 1, 2
- C) 1, 0, 2
- D) 1, 2, 3



13. In Meshing Parametric dialog box, by default, bias value is \_\_\_\_\_ and divi value is \_\_\_\_\_.

- A) Bias is 1 Divi is 15
- B) Bias is 1 Divi is 11
- C) Bias is 2 Divi is 10
- D) Bias is 1 Divi is 10



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 104,  
SANKAGIRI(TK), SALEM(TT), 630 004.

14. By default, Response Reduction Factor Value for Special RC Moment Resisting Frame is?

- A) 1
- B) 3
- C) 6
- D) 5

15. In concrete design parameter, by default, value for clt (Clear Cover top) is:

- A) 25mm
- B) 12mm
- C) 30mm
- D) 20mm

16. The \_\_\_\_\_ group allows you to change the display of load arrows.

- A) Modeling Scale
- B) Loading Scale
- C) Displacement
- D) Result Scales

17. B.E.A.V.A supports:

- A) UK BS 5400
- B) IRC chapter 2
- C) IS 456
- D) All of the Above

18. You can also edit the parameters in structure wizards models.

- A) True
- B) False

19. STAAD.Pro Perform Analysis is:

- A) Taking into consideration the Displacement of Nodes
- B) Taking into consideration the Stiffness Correction
- C) Multi- Iteration Analysis
- D) None of the Above

20. How many types of Models are available in the Structure Wizard?

- A) 5
- B) 8
- C) 7
- D) 6



VLAND'S BEST HUB PVT LTD

Civil Engineering

VLAND'S

COURSE COMPLETION CERTIFICATE

SHARMILA S

has successfully completed training program in

FOUNDATION IN 3D DESIGN (STAAD.PRO)

In CIVIL ENGINEERING

GRADE: A

MONTH: FEBRUARY 2019

DURATION: 45 HOURS

732716103018



Center Code  
VBHCBE

10 A-B, 8, 9 B, 7, 9 C, 6, 6, 9 D, 5, 5, 9 E, 4, 4, 9 f, BILLOW AVERAGE

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 301, T.N.  
SANKAGIRI(TK), SALEM(OT), T.N.  
M.Tech(IIT), M.Eng(NUS), M.B.A.,  
CHAIRMAN

*[Handwritten signature]*



VLAND'S BEST HUB PVT LTD

Civil Engineering

COURSE COMPLETION CERTIFICATE



UDHAYALAKSHMI P

*has successfully completed training program in*

FOUNDATION IN 3D DESIGN (STAAD.PRO)

in CIVIL ENGINEERING

GRADE: A



Center Code  
VBHCBE

MONTH: FEBRUARY 2019  
DURATION: 45 HOURS

732716103020

*[Handwritten signatures]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637301.  
SANKAGIRI(TK).SALEM(DT),TAMILNADU,  
M.Tech(IIT),M.Tech(M.S.),M.B.A.,  
CHAIRMAN



Civil Engineering

VLAND'S BEST HUB PVT LTD

COURSE COMPLETION CERTIFICATE

VINITHKUMAR V

has successfully completed training program in

FOUNDATION IN 3D DESIGN (STAAD.PRO)

In CIVIL ENGINEERING

GRADE : A

MONTH: FEBRUARY 2019

*[Handwritten signature]*

732716103022



Center Code  
VBHCBE

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY, VELU PERUMAL  
PULLIPALAYAM, MORUR-637014, M.Tech(IIT), M.Eng(NUS), M.B.A.,  
SANKAGIRI(TK).SALEM(D), CHAIRMAN



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Sankari (TK), Salem – 637304.

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improve the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor      2.Satisfactory      3. Fair      4. Good      5. Very Good]

Semester: V1

Branch: CIVIL

Date: 19/2/209

Name of the Course: Standards

S.NO	CRITERIA	RATING
1	Gaining Knowledge	5
2	Training Content	4
3	Quality of Instruction	5
4	Releasing Your Expectation in Training	4
5	Interaction with Participants	5
6	Usefulness of the Session	5

FACULTY	AVERAGE RATING
Mr. Radha Kumar	4.5

Any other Comments:

Session is more interactive & good.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Sankarli (TK), Salem - 637304.

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improve the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor    2.Satisfactory    3. Fair    4. Good    5. Very Good]

Semester: Even - VI

Branch: CIVIL

Date: 17/2/2019

Name of the Course: Strand Pro.

S.NO	CRITERIA	RATING
1	Gaining Knowledge	5
2	Training Content	5
3	Quality of Instruction	4
4	Releasing Your Expectation in Training	5
5	Interaction with Participants	5
6	Usefulness of the Session	5

FACULTY	AVERAGE RATING
Mr. M. Phadeepkumar	4.8

Any other Comments:

Session is very useful.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF CIVIL ENGINEERING

#### Report for Certificate course on Staad Pro

The department of Civil Engineering organized a Six days Certificate course on Staad PRO for 4th year students of Civil Engineering successfully from 09.02.2019 - 17.02.2019. Staad PRO training has been conducted for Civil Engineering students.

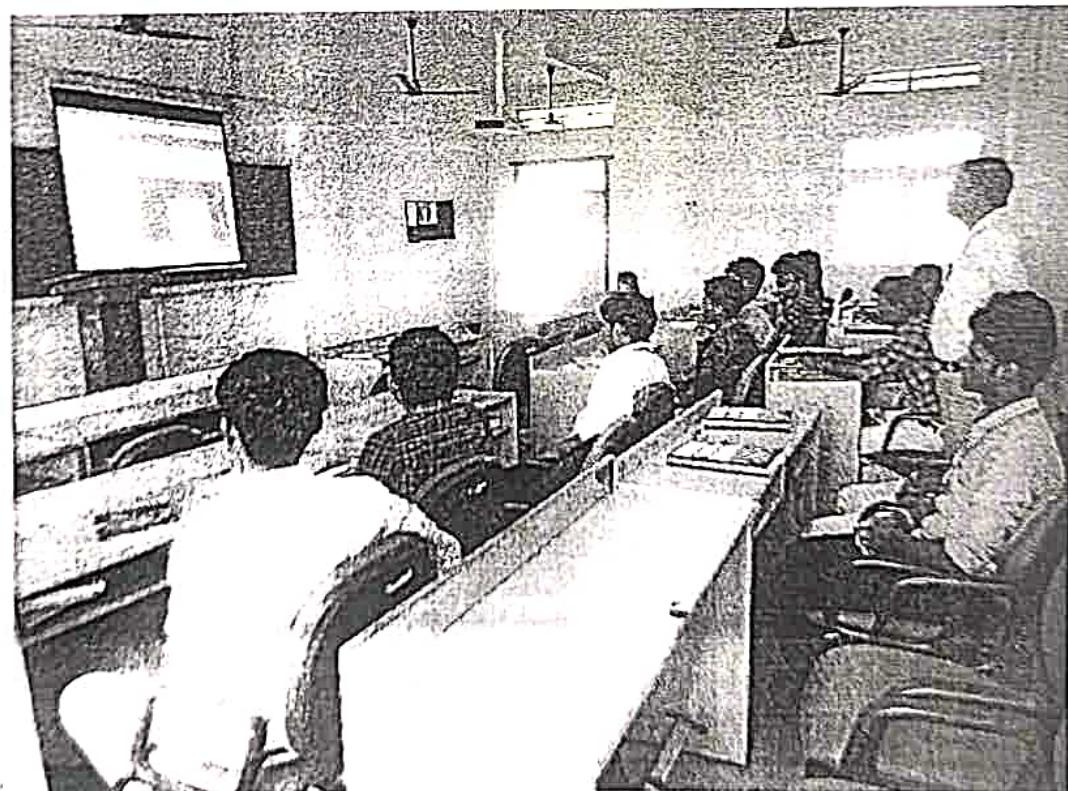
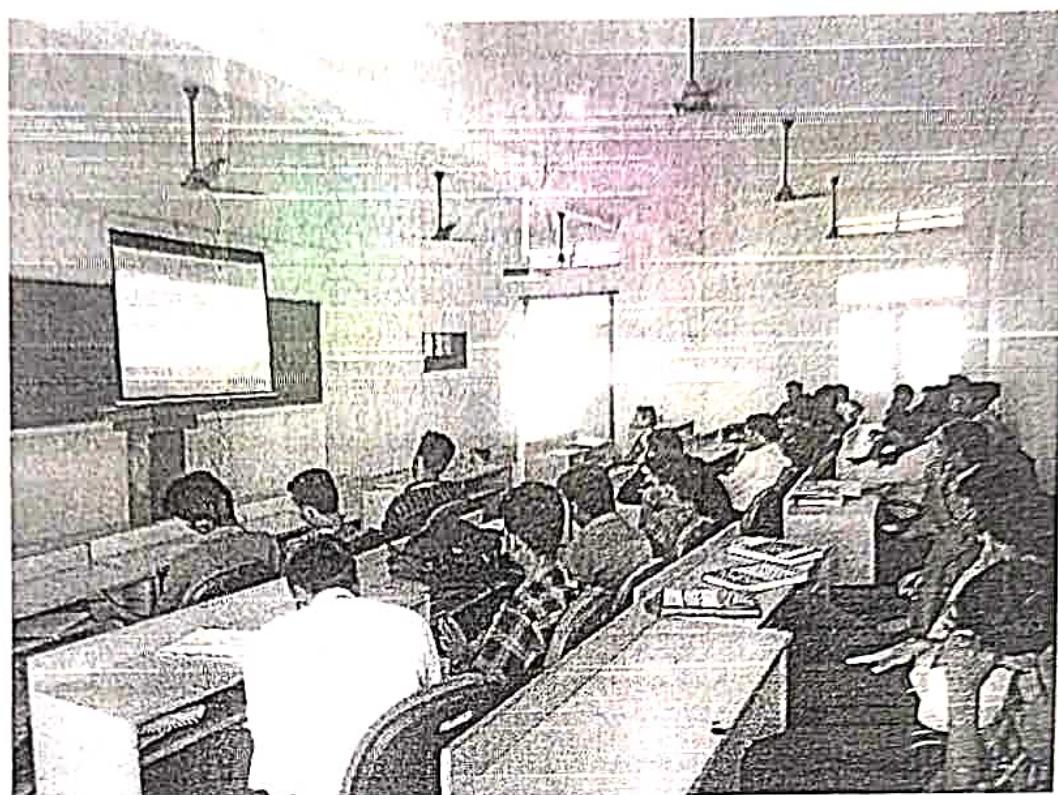
STAAD. Pro is a structural analysis and design software which is widely used to analyze and design structures for bridges, towers, buildings, transportation, industrial and utility structures. The software has now its latest version, STAAD.Pro V8i with new and improved features. The STAAD.Pro V8i can now analyze and design any engineering structure.

With this training students learned to draw structural drawings and to analyse the structures in order to judge the response of the structures in various loading conditions. Staad Pro software provides the design and the shape for the products that needs to be created. Various objectives are

- ✓ It provides flexible and user friendly features with the tools to design the applications and document the workflows.
- ✓ This involves aggregate and import models for the formats and usually allows the design to get created without any change in source model.
- ✓ It provides tools to provide the formats by detailed designing the layouts and drawings using the views automatically.
- ✓ It also has the provision to create detailed design layouts and views can be drawn automatically using the source model.

Overall the training was practically sound and the long term expected result is to make students which will help them in building the path of their carrier

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637 434,  
SANKAGIRI(TK), SALEM(DT). T.N.

Date: 13.06.2018

From

Mr.K.Mohan

Department of Civil Engineering,  
Sri Shanmugha College of Engineering and Technology,  
Sankari

To

The Principal,  
Sri Shanmugha College of Engineering and Technology,  
Sankari

Hod/Civil  
Permitted.  
asal  
13/6/18

Respected Sir,

**Sub: Permission to conducting Field Training on Total station-reg.**

With kind respect I would like to inform you that, M/s Lawrence and Mayo, Chennai is going to conduct Field Training on Total Station for II, III and IV year Civil Engineering student from 18.06.2018 to 21.06.2018. I assure that this training will be benefited to our student for placement. So, I request you to give permission to conduct this training for our student benefit. I have attached the training detail with this letter for your reference.

Thanking You

Yours Faithfully

Chokkappa  
13/6/18.

asal  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

asal



# Sri Shanmuga College of Engineering and Technology

## DEPARTMENT OF CIVIL ENGINEERING

C.NO:SSCET/CIVIL/COURSES/01/2018-19

Date: 11.06.2018

### CIRCULAR

This is to inform all the students of Civil Engineering Department that, M/s Lawrence and Mayo Pvt.Ltd has planned to conduct Field Training on total station for all the years. Interested candidates are requested to register their names to their respective class advisors on or before 13.06.2018

  
HOD/Civil

#### Copy to:

1. Circulate to Civil Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office

  
  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



Sri Shanmuga College of Engineering and Technology

Department of Civil Engineering

Academic Year -2018-19

Name of company: M/s Lawrence and Mayo Pvt. Ltd, Chennai

Name of Certificate Course: Field Training on Total Station

Name of trainer : Mr. Viju Darwin

### Syllabus

Introduction to Total Station, fundamental Parameters of Total Station, Precautions to be taken while using a total station, Field Equipment, Set up, Setting up a back sight, Azimuth mark, Measurement with total station, Total station initial setting, field Book Recording, Radial Shooting, Traverse, Survey Station Description (codes), Occupied Point (Instrument station). Entries, Data Retrieval.

Course duration: 32 hours

### Time Table

S.NO	DATE	TOPIC	DURATION
1	18.06.2018	Introduction to Total Station, fundamental Parameters of Total Station, Precautions to be taken while using a total station	8 Hrs
2	19.06.2018	Total station initial setting, field Book Recording, Field Equipment, Set up, Setting up a back sight	8 Hrs
3	20.06.2018	Azimuth mark, Measurement with total station, Radial Shooting, Traverse	8 Hrs
4	21.06.2018	Survey Station Description (codes), Occupied Point (Instrument station) Entries, Data Retrieval.	8 Hrs.

Course Incharge

HoD Civil

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N,

Name of Certificate course: Field Training on Total Station

Name of company: M/s Lawrence and Mayo Pvt. Ltd, Chennai

**Course Objective**

To provide knowledge of Total Station & advanced surveying instruments and to develop skills in using Total Station & advanced surveying instruments and analyse data. To develop skills to conduct traverse survey & to find the area

**Course Outcome:**

On successful completion of this course, student will be able to

C1	Use and operate total Station in the field.
C2	Calculate areas, Drawing plans and contour maps using different measuring equipment at field level.
C3	Summarize the basic principles of GPS and GIS in civil engineering.

**CO-PO Mapping**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO 11	PO 12	PSO1	PSO2
C1	2	1	3	1	2			1	1			2	2	2
C2	2	1	3	1	2			1	1			2	2	2
C3	2	1	3	1	2			1	1			2	2	2

Level: High – 3, Medium -2, Low -1

  
Course Incharge

  
HoD/Civil

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERING**

**List of Student Participants for Field Training on Total Station**

**Academic Year 2018-19**

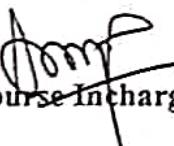
**Date: 18.06.2018**

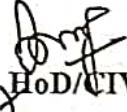
**Venue: Survey Lab**

S.No	Year/Sem	Register No.	Name of the Student
1	IV/VII	732715103001	Anandhan.G
2		732715103003	Brabasuthan.M
3		732715103005	Indalkumar
4		732715103006	Kannan.P
5		732715103007	Karthik.G
6		732715103009	Manju.S
7		732715103010	Manjuladevi.P.R
8		732715103011	Mekala.S
9		732715103012	Navinprasad.s
10		732715103013	Varshini.V.S
11		732715103014	Vignesh.K
12		732715103304	Manikandan.V
13		732715103305	Mohana Prasanth.S
14		732715103309	Vijaya Bharathi.M
15	III/V	732716103001	Adhimoolamaganapathi.G
16		732716103002	Arun raj.S
17		732716103003	Balasubramani.R
18		732716103004	Dharani.M
19		732716103005	Jegathisan.M
20		732716103006	Kalaiselvan V
21		732716103008	Karuppu raja.M

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.**

22	II/III	732716103017	Saran kumar.P
23		732716103019	Suvetha P
24		732716103020	Udhayalakshmi.P
25		732716103021	Venkadavan.V
26		732716103022	Vinithkumar.V
27		732717103004	S.Gnanasugandari
28		732717103005	Hemalatha R
29		732717103006	Kalaiselvam S
30		732717103007	Karan.S
31		732717103009	Magudeswaran.S
32		732717103010	Maheswaran.S
33		732717103013	R.A.Ranjithkumar
34		732717103014	R.Raushankumar
35		732717103018	T.Sivasankari
36		732717103020	V.Vidhya

  
Course Incharge

  
HoD/CIVIL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERING**

**Attendance for Field Training on Total Station**

**Academic Year 2018-19**

**Date: 18.06.2018**

**Venue: Survey Lab**

S.No	Year/ Sem	Register No.	Name of the Student	18.06.18	19.06.18	20.06.18	21.06.18
1	IV/VII	732715103001	Anandhan.G	/	/	/	/
2		732715103003	Brabasuthan.M	/	/	/	/
3		732715103005	Indalkumar	/	/	/	/
4		732715103006	Kannan.P	/	/	/	/
5		732715103007	Karthik.G	/	/	/	/
6		732715103009	Manju.S	/	/	/	/
7		732715103010	Manjuladevi.R.R	/	/	/	/
8		732715103011	Mekala.S	/	/	/	/
9		732715103012	Navinprasad s	/	/	/	/
10		732715103013	Varshini.V.S	/	/	/	/
11		732715103014	Vignesh.K	/	/	/	/
12		732715103304	Manikandan.V	/	AB	/	/
13		732715103305	Mohana Prasanth.S	/	/	/	/
14		732715103309	Vijaya Bharathi.M	/	/	AB	/
15	III/V	732716103001	Adhimoolaumaganapathi.G	/	/	/	/
16		732716103002	Arun raj.S	/	/	/	/
17		732716103003	Balasubramani.R	/	/	/	/
18		732716103004	Dharani.M	/	/	/	/
19		732716103005	Jegathisan.M	/	/	/	/
20		732716103006	Kalaiselvan.V	)	/	/	/
21		732716103008	Karuppu raja.M	/	/	/	/

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.**

22		732716103017	Saran kumar.P	/	/	/	/
23		732716103019	Suvetha.P	/	/	/	/
24		732716103020	Udhayalakshmi.P	/	/	/	/
25		732716103021	Venkadavan.V	/	/	/	/
26		732716103022	Vinithkumar.V	/	/	/	/
27	II/III	732717103004	S.Gnanasugandari	/	/	/	/
28		732717103005	Hemalatha R	/	/	/	/
29		732717103006	Kalaiselvam S	/	/	/	/
30		732717103007	Karan.S	/	/	/	/
31		732717103009	Magudeswaran.S	/	/	/	/
32		732717103010	Maheswaran.S	/	/	/	
33		732717103013	R.A.Ranjithkumar	/	/	/	/
34		732717103014	R.Raushankumar	/	/	/	/
35		732717103018	T.Sivasankari	/	/	/	/
36		732717103020	V.Vidhya	/	/	/	/

  
Course Coordinator

  
HoD/CIVIL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

PULLIPALAYAM, SANKARI

DEPARTMENT OF CIVIL ENGINEERING

Total Station

ASSESSMENT - I

Name of Student: *Karthik G*

Reg. No: *73275103007*

Dept. /Branch: *BE / Civil*

Date: *21/06/18*

PART-A

Multiple Choice Questions

1. How many type of EDM Instruments are there based on wave length?

- (a) 2
- (b) 4
- (c) 5
- (d) 3

2. Which of the below is used up to range of 100km?

- (a) Infrared
- (b) Microwave
- (c) Visible range
- (d) Ultraviolet

3. A Total station is a combination of

- (a) EDM and Theodolite
- (b) Compass and EDM
- (c) Electronic theodolite and EDM
- (d) Electronic compass and EDM

4. Which unit in total station process data collected?

- (a) Data collector
- (b) EDM
- (c) Storage system
- (d) Microprocessor

  
Principal,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



5. The bubble in a total station is centralized using

- (a) Tripod
- (b) Levelling screw
- (c) Tangent screw
- (d) Foot screw

#### PART-B

1. What Total station operations?
2. Commands for linear measurement.
3. What is the command we use for vertical station?
4. Define EDM.
5. What is the advantage of stake point?

#### PART-C (1\*30 = 30)

1. Distance, Gradient, Diff, Height Between Two Inaccessible Points Using Total Station in SCET Premises

S.NO	DISCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1.	MCQ's	05	4
2.	Descriptive	10	9
3.	Experiment	30	28
4.	Viva voce	05	04
<b>Total Marks</b>		50	45

  
Course Incharge

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(UT), T.N.

What is total station operations?

A Total Station Consist of theodolite with built-in distance meter, enabling it to simultaneously measure the distance and determine the position & height of points.

2. Linear Measurements:-

It is the distance b/w the two points.  
The height of object in the distance b/w the top & bottom.

3. Commands used in Total Station :-

Instrumental setup

EDM Mode

Work Area Setup

Bluetooth

Sensor

4. EDM:

Electronic distance measurement used to measure the distance used in modern Surveying. which is integrated with microprocessor, Electronic data collector & Storage system.

ocok

ocok

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.

5. Stake point :-

- \* Maintain, Visualize & Analyse project
- ✓ Breakdown tasks
- \* To build competitive budgets.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI  
DEPARTMENT OF CIVIL ENGINEERING

Total Station

ASSESSMENT - I

Name of Student: T. Sivabankar

Reg. No: 7327171030 KB

Dept. /Branch: B.E /CIVI

Date: 22/06/2018

PART-A

Multiple Choice Questions

1. How many type of EDM Instruments are there based on wave length?

- (a) 2
- (b) 4
- (c) 5
- (d) 6

✓ 2. Which of the below is used up to range of 100km?

- (a) Infrared
- (b) Microwave
- (c) Visible range
- (d) Ultraviolet

3. A Total station is a combination of

- (a) EDM and Theodolite
- (b) Compass and EDM
- (c) Electronic theodolite and EDM
- (d) Electronic compass and EDM

4. Which unit in total station process data collected?

- (a) Data collector
- (b) EDM
- (c) Storage system
- (d) Microprocessor

5. The bubble in a total station is centralized using
- Tripod
  - Levelling screw
  - Tangent screw
  - Foot screw

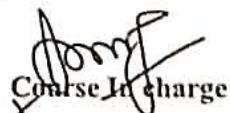
### PART-B

- What Total station operations?
- Commands for linear measurement.
- What is the command we use for vertical station?
- Define EDM.
- What is the advantage of stake point?

### PART-C (1\*30 = 30)

- Distance, Gradient, Diff, Height Between Two Inaccessible Points Using Total Station in SCET Premises

S.NO	DESCRIPTION	MARKS ALLOTED	MARKS OBTAINED
1.	MCQ's	05	3
2.	Descriptive	10	9
3.	Experiment	30	26
4.	Viva voce	05	03
<b>Total Marks</b>		50	41



Course In charge



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR 637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

# 1. What total station operations?

~~A total station consists of theodolite with built-in distance meter, enabling it to simultaneously measure angles and distances and determine the position & heights of points.~~

## 2. Linear measurements:-

~~It is the distance between the two given points (D) objects. The height of object is the distance between the top & bottom.~~

The basic tools used is "Ruler"

## 3. Command used in TOTAL STATION:-

~~Instrumental Set up.~~

EDM Mode

Weld Area Settings

Bluetooth

## 4. EDM:-

~~Electronic distance measurement used to measure the distance used in modern surveying. which is integrated with microprocessor, electronic data collector & storage system.~~

## 5. Stake Point:-

- ~~\* Maintain, visualize & analyse projects.~~
- ~~\* Break down tasks~~
- ~~\* To build competitive budgets.~~

*asok* *asok*



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
PULLIPALAYAM, SANKARI  
DEPARTMENT OF CIVIL ENGINEERING

Total Station

ASSESSMENT - I

Name of Student: Jegathison. M  
Dept. /Branch: BE /Civil

Reg. No: 732716103005  
Date: 22/06/18.

PART-A

Multiple Choice Questions

1. How many type of EDM Instruments are there based on wave length?
  - (a) 2
  - (b) 4
  - (c) 5
  - (d) 3
2. Which of the below is used up to a range of 100km?
  - (a) Infrared
  - (b) Microwave
  - (c) Visible range
  - (d) Ultraviolet
3. A Total station is a combination of
  - (a) EDM and Theodolite
  - (b) Compass and EDM
  - (c) Electronic theodolite and EDM
  - (d) Electronic compass and EDM
4. Which unit in total station process data collected?
  - (a) Data collector
  - (b) EDM
  - (c) Storage system
  - (d) Microprocessor

*[Handwritten signatures]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK). SALEM(DT), T.N.

## 1. Total station operation

A total station consists of theodolite with built-in distance meter, enabling it to simultaneously measure any angle and distance and determine the position & heights of points.

### 2. Linear measure:

If it is the distance b/w the two then ten points (or) objects. The height of object is the distance b/w the top & bottom.

### 3. Command used in total station:-

Instrumental setup

EDM mode

work Area setup

Blue tooth

### 4. EDM:-

Electronic distance measurement used to measure the distance used in modern surveying. which is integrated with microprocessor electronic data collector & storage system.

### 5. Stake point:-

Maintain, Utilize & Protect

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT), T.N.

Breakdown factors



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF CIVIL ENGINEERING

#### Report on Certificate Training on Field Measurement by Total Station

The department of Civil Engineering organized a Four days Certificate Training course on surveying equipment Total Station for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year students of Civil Engineering successfully from 18.06.2018 - 21.06.2018. This Training provided the opportunity to the students to use Total Station. A total station or TST (total station theodolite) is an electronic/optical instrument used in modern surveying and building construction. The total station is an electronic theodolite (transit) integrated with an electronic distance meter (EDM) to read slope distances from the instrument to a particular point. Robotic total stations allow the operator to control the instrument from a distance via remote control. This eliminates the need for an assistant staff member as the operator holds the reflector and controls the total station from the observed point. The following are some of the major advantages of using total station over the conventional surveying instruments:

1. Field work is carried out very fast.
2. Accuracy of measurement is high.
3. Manual errors involved in reading and recording are eliminated.
4. Calculation of coordinates is very fast and accurate. Even corrections for temperature and pressure are automatically made.
5. Computers can be employed for map making and plotting contour and cross-sections. Contour intervals and scales can be changed in no time.

For Training, students were divided into groups (5 students per group) and each group performed the task to use total station in the ground of University campus. After practical work students learned to conclude all the practical work in a map using Auto CAD. Overall the training was

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



technically and practically sound and the long term expected result is to make students which will help them in building the path of their carrier



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-631 304  
SANKAGIRI(TK), SALEM(UT), T.N.



# Sri Shanmuga College of Engineering and Technology

## Pullipalayam, Sankari, Salem - 637 304

(Approved by AICTE- New Delhi, Affiliated to Anna University- Chennai & Accredited by NAAC)  
(An ISO 9001:2015 Certified Institution)

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improving the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor      2.Satisfactory      3.Fair      4.Good      5.Very Good]

Degree /Branch: B.E. Civil      Year/Sem: II / 05      Date: 05-07-2018

Name of the Event : Total Station

S.NO	CRITERIA	RATING
1	Gaining Knowledge	4
2	Training Content	4
3	Quality of Instruction	5
4	Releasing your Expectation in training	4
5	Interaction with Participants	4
6	Usefulness of the session	5

FACULTY	AVERAGE RATING
Mr. viju	4.3

Any other comments:

The course is useful to me. But I wish to know the total station more. I need some other clearer for that. Thank you.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



Sri Shanmuga College of Engineering and Technology  
Pullipalayam , Sankari. Salem - 637 304

(Approved by AICTE- New Delhi, Affiliated to Anna University- Chennai & Accredited by NAAC)  
(An ISO 9001:2015 Certified Institution)

## PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improving the quality of Training and Placement.
  2. Express your honest opinion freely with integrity.
  3. Do not reveal your identify.
  4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor                  2.Satisfactory                  3.Fair                  4.Good                  5.Very Good]

Degree/Branch: BE -civil Engineering Year/Sem: II<sup>nd</sup>/S<sup>th</sup> Date: 5/7/18

Name of the Event : Total station

S.NO	CRITERIA	RATING
1	Gaining Knowledge	4
2	Training Content	4
3	Quality of Instruction	4
4	Releasing your Expectation in training	4
5	Interaction with Participants	4
6	Usefulness of the session	4

FACULTY	AVERAGE RATING
Mr. Vizu	3.66

**Any other comments:**

- no comments -

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.



# Sri Shanmuga College of Engineering and Technology

## Pullipalayam, Sankari, Salem - 637 304

(Approved by AICTE- New Delhi, Affiliated to Anna University- Chennai & Accredited by NAAC)  
(An ISO 9001:2015 Certified Institution)

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improving the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor      2.Satisfactory      3.Fair      4.Good      5.Very Good]

Degree /Branch: B.E. Civil      Year/Sem: II / V-sem.      Date: 05/07/18

Name of the Event : Total station

S.NO	CRITERIA	RATING
1	Gaining Knowledge	5
2	Training Content	4
3	Quality of Instruction	5
4	Releasing your Expectation in training	4
5	Interaction with Participants	5
6	Usefulness of the session	5

FACULTY	AVERAGE RATING
Mr. viju	4.66

Any other comments:

*no comments, every think ok'*

*Principal*  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.



# Sri Shanmuga College of Engineering and Technology

## Pullipalayam, Sankari, Salem - 637 304

(Approved by AICTE- New Delhi, Affiliated to Anna University- Chennai & Accredited by NAAC)  
(An ISO 9001:2015 Certified Institution)

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improving the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor      2.Satisfactory      3.Fair      4.Good      5.Very Good]

Degree /Branch: BE / Civil Engineering Year/Sem: III / V Date: 05/07/18

Name of the Event : Total Station

S.NO	CRITERIA	RATING
1	Gaining Knowledge	4
2	Training Content	4
3	Quality of Instruction	5
4	Releasing your Expectation in training	5
5	Interaction with Participants	4
6	Usefulness of the session	5

FACULTY	AVERAGE RATING
Mrs. Vidu	4.5

Any other comments:

very useful

Principal,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.



# Sri Shanmuga College of Engineering and Technology

## Pullipalayam, Sankari, Salem - 637 304

(Approved by AICTE- New Delhi, Affiliated to Anna University- Chennai & Accredited by NAAC)  
(An ISO 9001:2015 Certified Institution)

### PARTICIPANTS FEEDBACK FORM

Dear Students,

1. Your response is valuable for improving the quality of Training and Placement.
2. Express your honest opinion freely with integrity.
3. Do not reveal your identify.
4. Choose your answer from the following rating system unless specified otherwise.

[Ratings: 1.Poor      2.Satisfactory      3.Fair      4.Good      5.Very Good]

Degree/Branch: B E - Civil Engineering      Year/Sem: I / 5<sup>th</sup>      Date: 5.7.18

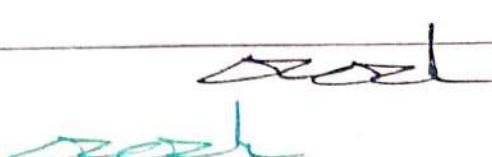
Name of the Event : Total Station

S.NO	CRITERIA	RATING
1	Gaining Knowledge	Good
2	Training Content	Good.
3	Quality of Instruction	Very Good
4	Releasing your Expectation in training	Good.
5	Interaction with Participants	Good
6	Usefulness of the session	Very Good

FACULTY	AVERAGE RATING
Mr. Viju	Very Good .

Any other comments:

NPI.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



Lawrence & Mayo  
www.lawrenceandmayo.com



## Certificate of Training

Mr. /Ms. S. Manju

This is to certify that Mr. /Ms. S. Manju has participated

in the Field Training on "Advanced Surveying by Total Station" Conducted by Lawrence & Mayo (India) Pvt.Ltd, Chennai and Organized by Department of Civil Engineering, Sri Shanmuga College of Engineering and Technology from 18.06.2018 to 21.06.2018.

P. Dev

SSCET

Dev

Mr. J R Daniel

PRINCIPAL,

SRI SHANMUGA COLLEGE OF

TECHNOLOGY

MURUGESWARAPALAYAM, MORUR-601201.

Senior Regional Trainer,  
Lawrence & Mayo (India) Pvt.Ltd, CHENNAI - 600009.



Lawrence & Mayo  
Engineering Services

# Certificate of Training



This is to certify that Mr. /Ms. Vignesh. K. has participated in the Field Training on "Advanced Surveying by Total Station" Conducted by Lawrence & Mayo (India) Pvt.Ltd, Chennai and Organized by Department of Civil Engineering, Sri Shanmuga College of Engineering and Technology from 18.06.2018 to 21.06.2018.

O. Per  
SRI SHANMUGA  
ENGINEERING & TECHNOLOGY  
PULLALAYAM, MC - 643 304.  
SSCET, T.N.

Per  
SRI SHANMUGA  
ENGINEERING & TECHNOLOGY  
PULLALAYAM, MC - 643 304.  
SSCET, T.N.  
Mr. J R Daniel  
Senior Regional Head  
Lawrence & Mayo(I) Pvt.Ltd, Chennai



Lawrence & Mayo  
omorrow

## Certificate of Training



This is to certify that Mr. /Ms. Surekha. P. has participated in the Field Training on "Advanced Surveying by Total Station" Conducted by Lawrence & Mayo (India) Pvt.Ltd, Chennai and Organized by Department of Civil Engineering, Sri Shanmuga College of Engineering and Technology from 18.06.2018 to 21.06.2018.

Q. Ram  
SSCET

D. S. S.

R. J. R.  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF ENGINEERING & TECHNOLOGY  
TIRUVALLUVAR ROAD, TIRUNELVELI - 627 007  
Senior Regional Head, UG/PG, SSCE, TCE, TEC  
Lawrence & Mayo (India) Pvt.Ltd, Chennai



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# Computer Science and Engineering



### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

#### **FEEDBACK ANALYSIS REPORT FOR ACADEMIC YEAR 2018-2019**

##### **➤ STUDENTS' FEEDBACK:**

Students suggested for conducting activity learning based for theory subjects and Video lectures for better understanding. They asked to provide more real time application practice for video lectures. They also suggested to give more problem solving skills questions to practice which will induce analytical and logical thinking and well versed in problem solving.

##### **➤ COMPLIANCE:**

After the suggestions were consolidated the department arranged guest lectures for computer science core subjects. NPTEL videos related to the topics were shown to the students and each week one hour is allocated for each subject for showing video lectures. More practice session were provided and related to the experiment were shown to the students before the lab session. Notes has been given for each unit and more problems were solved in the class. Industry visit and internship were arranged for creating industry exposure to the students.

##### **➤ ALUMNI FEEDBACK:**

Students suggested to conduct the technical training on placements related to carrier development. They also mentioned to give more training on technical training on placement. Core based training should be given by utilizing core based software knowledge. They also asked for career guidance program and to choose subjects specific papers related to core company.

##### **➤ COMPLIANCE:**

Communication training were given to students by experts and for mock interviews were conducted with alumni students who have been placed in companies so that alumni can given them hope and reduce their fear and hesitation regarding the interview. Company experts were invited for training the students on both software and hardware side through TCG series. Full stack JAVA training were conducted and project work carried out according to software companies' expectations also alumni invited to conduct workshop and also training for placement companies. Software development related subjects were chosen for better understanding of the software field.

##### **➤ TEACHERS' FEEDBACK:**

Most of the faculties asked for extra classes for completing the hard part of the syllabus. Faculties handling analytical paper asked for more classes to solve more problems so that students can understand the analytical part even if they have given some other models. The also



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC ]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

asked to bring company who provide Internship to the students so that the students can experience the work experience while studying itself.

➤ **COMPLIANCE:**

Additional classes were given to faculties based on the syllabus. Analytical paper's number of periods were increased and more practice problems were given to the students. For Internship, Alumni students company was contacted and the opportunity was given to students based on their mark.

➤ **EMPLOYERS' FEEDBACK:**

HR from IT company has requested to provide more program training to the students. They also asked to provide communication training and help the students to know what are the aspects needed to the students when they work in teams. HR stated to provide aptitude training to the students from their second year and conduct exam so that they will take it as a serious note.

➤ **COMPLIANCE:**

Students were motivated to involve actively in developing software projects in Sri Shanmuga incubations centers. Soft skill training was given to students for each month during their final year. All the students were asked to do internship or role play in group from 5<sup>th</sup> semester so that they will get experience to work in teams. Company experts were invited to train the students in both hardware and software training.

HOD/CSE

**Dr.S. MARKKANDEYAN M.E.,Ph.D.**  
Professor and Head,  
Department of Computer Science and Engineering  
Sri Shanmuga College of Engineering and Technology  
Pullipalayam, Morur - 637 304.  
Sankari (Tk.) Salem (Dt.)



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

Department of Computer Science and Engineering

C.NO:SSCET/CSE/COURSES/01/2018-19

Date: 24.12.2018

**Circular**

Full stack java training programme is planned for all computer science and engineering students based on the demo conducted by consensus technology, Coimbatore. This training will create better impact on your placement. All the CSE are asked to register for this course. Interested students are asked to register your name with your class advisor on or before 26.12.2018.

HoD/CSE

Copy to:

1. Circulate to CSE class rooms
2. Circulate to department faculty members
3. Department Circular file
4. Principal Office.

HEAD OF THE DEPARTMENT,  
Computer Science and Engineering,  
Sri Shanmuga College of Engg & Tech,  
PULLIPALAYAM, SANKARI-637 304.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



**Dr. R. Radhakrishnan, Ph.D.**

**Principal**

Ref: SSCET/Placement Training/Invitation/2018

Date : 26/12/2018

To

Venkatesh  
CEO  
Consensus Technologies Pvt Ltd,  
Coimbatore – 641107

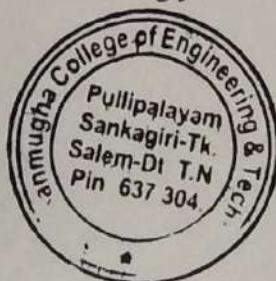
**Respected Sir,**

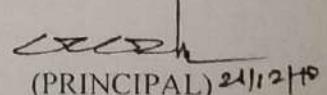
SUB: Inviting as a Resource Person-Regarding

The department of Computer Science and Engineering has planned to conduct a placement training on “Full Stack Development - Java” for all the CSE and ECE students from 28/12/2018 to 12/01/2019. As per the telephonic conversation held with you, I am forwarding this letter to invite you and your team as a resource persons to conduct the training program on the above said subject.

We expect your presence on the above mentioned date and the needs from your side had been arranged.

Thanking you



  
(PRINCIPAL) 24/12/18

**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-637 304,**  
**SANKAGIRI(TK), SALEM(DT), T.N,**

**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-637 304,**  
**SANKAGIRI(TK), SALEM(DT), T.N.**

Email: info@shanmughacollege.com / www.shanmuga.edu.in

## Sri Shanmuga College of Engineering and Technology

Pullipalayam, Morur (P.O), Kanchipuram (T.N), Salem (D) Pin: 637 304, Tamil Nadu  
(Approved by AICTE, New Delhi and Affiliated to Anna University)

### Certificate Course

on

### Full Stack Java

#### Course Co-ordinator

Muthaiah.U

Sri Shanmuga College of Engineering and Technology

#### Resource Person

Venkatesh.S, Trainer,  
Consensus Technologies pvt Ltd



#### Organized by

Department of Computer Science and Engineering

#### About the College

Sri Shanmuga College of Engineering and Technology (SSCET) is sponsored by Sri Shanmuga Educational and Charitable Trust. Under the guidance of Thiru K Shanmugam, Chairman and Dr S Prabhakar, Vice Chairman, have developed excellent facilities such as spacious air conditioned class rooms, senior hall, well equipped laboratories, workshop, library and steadfast internet connectivity.

#### About the Department

The department of Computer Science and Engineering was established in the year 2011 with an intake of 60 students. Highly experienced and dedicated faculty members with minimum M.E / M.Tech qualification impart quality training to students, with solid emphasis on understanding the fundamentals and intricacies of the subjects concerned and subsequently apply them to solve problems.

#### Vision

Graduates employable at the global level and to mould them through comprehensive educational programs for developing their competencies and innovation apart from inculcating the moral values. To create the holistic environment for the development of academic and intellectual Engineering

#### Mission

Ensuring the academic growth by way of establishing centers of excellence and promoting collaborative learning

Strengthening the academic ambience through faculty training programs on contemporary technical education

Motivating the students to be successful, ethical and suitable for industry ready

#### Learning Objectives

The learning objectives of this course are:

- To learn why Java is useful for the design of desktop and web applications.
- To learn how to implement object-oriented designs with Java.
- To identify Java language components and how they work together in applications.
- To design and program stand-alone Java applications.
- To learn how to design a graphical user interface (GUI) with Java Swing.
- To understand how to use Java APIs for program development.
- To learn how to extend Java classes with inheritance and dynamic binding.
- To learn how to use exception handling in Java applications.

#### Java Course Syllabus

- Introduction
- OOPS (Object Oriented Programming & Systems)
- STRING Manipulation
- Array
- Packages
- Exception Handling
- I/O Streams
- Multithreading
- Wrapper Classes
- Collection Frame Work
- AWT
- SWING (JFC)
- Web Server and Application

#### Java Programming

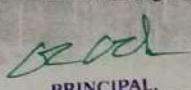
Java Programming is intended for software engineers, systems analysts, program managers and user support personnel who wish to learn the Java programming language.

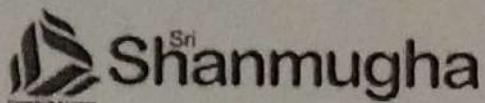


Academic Year : 2018-19

Course Duration: 28/12/2018 to 12/01/2019

Venue: Advance Computing Lab,

  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637  
SANKAGIRITHTAI, SALEM - 630 001



Placement Training – Communication – Reg

From: Consensus Technologies <[info@consensus.co.in](mailto:info@consensus.co.in)>

Date: Wed, Dec 26, 2018 at 10:43 AM

Subject: Full Stack Proposal - Reg

To: <[placement@shanmuga.edu.in](mailto:placement@shanmuga.edu.in)>

Dear Sir,

As per the discussion we had with you and Principal sir, hereby I submit my proposal for the same. Kindly verify the same.

Regards,

Venkatesh

Consensus Technologies Pvt Ltd,

Coimbatore - 641107

mail: [info@consensus.co.in](mailto:info@consensus.co.in)

website:<http://www.consensus.co.in/>

Mobile - +91 9600511879 / +91 7358531826

A handwritten signature in black ink, appearing to read 'occa'.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIRALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



10/26, 21 Village Nagur,  
Kurumbakkavaram  
Commuter Train Line-611107  
info@consensus.co.in  
www.consensus.co.in

#### ABOUT US

The Consensus team is made up of highly-qualified and talented IT professionals each with their own area of expertise. Their experience spans the full range of custom software development, from small entrepreneurial projects to complex systems. Our success is built on continuous innovation, we listen to our customers and consistently deliver what they need next. Consensus technologies is known for superior training programs delivered by an enviable team of qualified, expert and highly experienced developers who are highly skilled in core areas.

#### WHAT BUSINESS ARE WE IN?

The new era has begun, the team consensus has identified that the normal methodology of teaching programming language is not sufficient enough to match the corporate requirements. Hence, the team consensus designed and invented the tool which is similar to that of being used in top corporates to enhance the programming skill. The team consensus is into the business of training students practically to enhance programming skills in a controlled and monitored platform-doDO.

#### WHY PROGRAMMING LANGUAGE?

- Programming is essential to harness the power of computing in all human endeavors.
- Programming languages are the back bone of IT industries
- All other core industries use this programming skills in various tools they use
- Learning one programming language helps students to adopt all updated and new programming languages according to their requirement

#### WHY CONSENSUS TECHNOLOGIES?

- We are innovative! We created this tool "doDO" especially for placement training.
- We follow pragmatic approach
- We do what we say – "we produce results"
- Clients are our boss and hence we work according to their requirements.

ozoch

[www.consensus.co.in](http://www.consensus.co.in)

PRINCIPAL  
SRI SHANMUGAM  
HEAD OF  
ENGINEERING DEPARTMENT  
FALLIPALAYAM MORUR-631 071  
SANKAGNITHI SALEM(UTT)



10/96-21,Village Nagar,  
Kurumambalayam,  
Coimbatore,TamilNadu-641107  
[info@consensus.co.in](mailto:info@consensus.co.in)  
[www.consensus.co.in](http://www.consensus.co.in)

### Proposal

1. Problem Solving and Programming in C /C++/ JAVA/Python
2. Full Stack Development in JAVA
3. Full Stack Development in Python
4. Android App Development

Organization – Sri Shanmuga College of Engineering and Technology,  
Tiruchengode.

#### Contact Person

Venkatesh. S,

CEO,

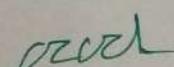
Consensus Technologies Pvt Ltd,

Coimbatore - 641107

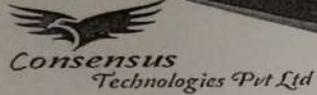
Ph.: + 91 9600511879

[www.consensus.co.in](http://www.consensus.co.in)

[info@consensus.co.in](mailto:info@consensus.co.in)

  
[www.consensus.co.in](http://www.consensus.co.in)

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



INTERVIEW SUPPORT  
Requirement Analysis  
Code Review & Refinement  
Mock Interviews  
www.consensus.co.in

- COST DETAILS

Course	Duration (days)	Cost per student
1. Problem Solving in C and Data Structures	12	Rs.2500/- + GST
2. Problem Solving in Java and Data Structures and Object Oriented Programming	12	Rs.3250/- + GST
3. Problem Solving in Python and Data Structures	15	Rs.4000/- + GST
4. Full Stack Development – JAVA / Python	40 [phase I 20 days + phase II. 20 days]	Rs.3500/- + GST Rs.8000/- + GST

\* Dodo platform support would be provided for 6 months.

\* Accommodation, Food and travel of resource persons are to be borne by college end only.

\* Proper Internet Connection is mandatory.

\* Software required for development and testing should be provided properly.

\* Continuous Assessment and monitoring support would be provided for a period of 6 months.

\* 2 Mock Interview support would be provided.

\* Moodle installation would be done at free of cost to enable aptitude and logical training.

\* In case of Full stack Development Course – 10 days C and DS course would be provided at free of cost.

\* Minimum batch size – 40 students.

\* Maximum batch size – 60 students.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.  
*2023*



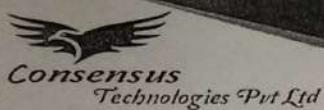
(0706-24,Village Nagai,  
Cumbum,Chennai  
Coimbatore,TamilNadu-641107  
info@consensus.co.in  
www.consensus.co.in

#### OUR CLIENTS

- Kumaraguru College of Technology, Coimbatore.
- Bannariamman Institute of Technology, Sathyamangalam.
- Kongu Engineering College, Erode.
- Sri Ramakrishna Engineering College, Coimbatore.
- Muthayammal Institutions, Rasipuram.
- SVS College of Engineering, Coimbatore.
- Hindustan College of Engineering and Technology, Coimbatore.
- Hindustan Institute of Technology, Coimbatore.
- Adithya Institute of Technology, Coimbatore.
- Sasurie College of Engineering, Tiruppur.
- Sasurie Academy of Engineering, Coimbatore.
- RVS College of Engineering and Technology, Coimbatore.
- RVS Technical Campus, Coimbatore.
- Vidhya Mandir Institutions, Erode.
- Knowledge Institute of Technology, Salem.
- NRI Institute of Technology, Vijayawada.
- Krishna College of Technology, Coimbatore.
- EGS Pillai College of Engineering, Nagapattinam.
- Geethanjali Institute of Science and Technology, Nellore.
- NBKR Institute of Science and Technology, Gudur, Andhra Pradesh.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-641107,  
SANKAGIRI(TK), SALEM(UT), TAMILNADU

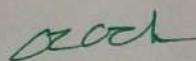
[www.consensus.co.in](http://www.consensus.co.in)



10/96-21, Village Oor  
Kumambapalayam  
Coimbatore, Tamil Nadu - 641016  
info@consensus.co.in  
www.consensus.co.in

#### REFERENCES

1. Mr. Senthamarai Kannan, Placement Director, Kumaraguru College of Technology, Coimbatore.  
Mobile - +91 98422 66029.
2. Mr. Joshua, Placement Officer, Sri Rāmākrishna Engineering College, Coimbatore.  
Mobile - +91 98422 26953
3. Dr. N. Kathiravan, Dean – Dept of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore.  
Mobile - +91 98426 77711
4. Dr. Radhakrishnan, Principal, Sri Shanmuga College of Engineering and Technology, Tiruchengode.  
Mobile - +91 97884 30222
5. Mrs. Geetha, HOD – MCA, Kumariguru College of Technology, Coimbatore.  
Mobile - +9198430 60719
6. Mr. Krishnamurthy, Placement Director, Hindustan Group of Institutions, Coimbatore.  
Mobile - +91 97866 67670
7. Mr. Saravana Kumar, Placement Director, Adithya Institute of Technology, Coimbatore.  
Mobile - +91 73737 13906
8. Mr. Mohan Kumar, Placement Director, EGS Pillay College of Engineering, Nagapattinam.  
Mobile - +91 9786702894
9. Mr. Amruth, Placement Director, NRI Institute of Technology  
Mobile - +91 8332952817
10. Mr. Arul Selvan, Placement Director, Muthayammal Institutions.  
Mobile - +91 9940967537
11. Mr. Anjen Fernando, Training Head , Muthayammal Institutions.  
Mobile - +91 9790555270
12. Mr. Sambath Kumar, Training Officer , RVS Group of Institutions.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



*Consensus*  
Technologies Pvt Ltd

Mobile - +91 9865065000

10/96-21,Village Nagar,  
Kurumby - Mayam  
Coimbatore,TamilNadu-641107  
info@consensus.co.in  
www.consensus.co.in

[www.consensus.co.in](http://www.consensus.co.in)



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Placement Training Division

#### Syllabus Provided by Consensus for Full Stack Development - Java

**Objectives:** You will learn to

- The core java concepts with database connectivity.
- The java web development.

#### Core Java

Object-oriented Concepts - Introduction to Java - Writing Java classes - Language fundamentals - Inheritance & Polymorphism - Java API Support - Exception Handling Collection Framework & Generics - Annotations - GUI with Java Swing controls - Event Delegation Model - Swing MVC - Multithreading - Synchronization - Socket programming - Applets - Input-Output (File I/O) - JDBC

#### Java Web Component Developer (WCD) and Angular JS

Advanced JDBC - Introduction to J2EE Framework - HTML - Java Script - XML basics - JAXP - XML Parsing - Servlet API - Servlet Collaboration - Session Management - Servlet 3.0 features - JSP elements & directive - Custom tag libraries - JSTL & EL

Design web pages dynamically and more innovatively using AngularJS with HTML - Write client code - sing built - in Directives - Filters and expressions - Implement Controller, custom Services & factory - Apply animation effects , handle events, perform unit testing - Write client code using built-in AngularJS services like \$http and location - Integrate AngularJS with ASP.NET MVC and Java applications - Implement a case study using Angular as client front end framework.

#### Configuration and Tools Requirements

- Eclipse 3.4 or above
- Tomcat 6.x or above

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pullipalayam, Morur (PO), Sankari (TK), Salem (DT).Pin. 637304.

**Department of Computer Science and Engineering**

**Training Schedule**

Name of the Company: Consensus Technology, Coimbatore.

Name of the Course : Full stack Java

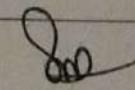
Name of the Trainer : Mr.Dinesh & Mr.Silambarasan

Course Duration : 112 Hours

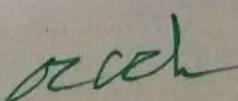
**Time Table**

Date	Topics to be covered	Duration
28.12.2018 (Friday)	Object oriented concepts, Introduction to Java, Writing java classes, Language fundamentals.	8 Hrs
29.12.2018 (Saturday)	Inheritance and polymorphism, java API support, Exception handling.	8 Hrs
30.12.2018 (Sunday)	Collection Framework and Generics	8 Hrs
31.12.2018 (Monday)	Swing MVC	8 Hrs
02.01.2019 (Wednesday)	Applets – JDBC	8 Hrs
03.01.2019 (Thursday)	Advanced JDBC –Introduction to J2EE framework	8 Hrs
04.01.2019 (Friday)	HTML ,Java Script –XML basics	8 Hrs
05.01.2019 (Saturday)	JAXP , XML parsing, Servlet Collaboration.	8 Hrs
07.01.2019 (Monday)	Session Management –Servlet 3.0 features, JSP	8 Hrs
08.01.2019 (Tuesday)	Design web pages dynamically and more innovatively using Angular JS with HTML –write client code, in directives.	8 Hrs
09.01.2019 (Wednesday)	Implement Controller, custom services & factory, Applet animation effects, handle events, perform unit testing.	8 Hrs
10.01.2019 (Thursday)	Write client code using built in angular js services like http and location and integrate angular with ASP.NET MVC and Java applications	8 Hrs
11.01.2019 (Friday)	Implement a case study using angular as client front end framework.	8 Hrs
12.01.2019 (Saturday)	Revision the topics and project work.	8 Hrs

Course In charge



HOD/CSE

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637 304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**

**HEAD OF THE DEPARTMENT,**  
**Computer Science and Engineering,**  
**Sri Shanmugha College of Engg & Tech,**  
**PULLIPALAYAM, SANKARI -637 304.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

Department of Computer Science and Engineering

Academic Year: 2018 – 2019

**Value Added Course - Consensus Full Stack Java Training – CO, POs & PSOs Mapping**

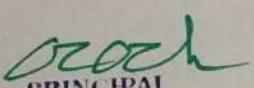
CO1: Understand and apply the core Java concepts with database connectivity.

CO2: Understand and apply the java web development.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	2	3		2	1	1		1		1		3	2
CO2	1	2	3		2	1	1		1		1		3	2

1 – Low, 2 – Medium and 3 – High

HEAD OF THE DEPARTMENT HOD Sign  
Computer Science and Engineering,  
Sri Shanmuga College of Engg & Tech,  
PULLIPALAYAM, SANKARI-637 304

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.

SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY																										
Academic Year: 2018-19			Batch: 2018-2020			Year/ Sem: III/VI																				
Consensus Training -Attendance Details																										
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING																										
S. No.																										
Register Number			Name of the Students																							
			Dec-18			Jan-19																				
			28	29	30	31	2	3	4	5	6	7	8	9	10											
1	732716104002	AJITH S	P	P	P	P	P	P	A	P	A	P	P	P	P											
2	732716104003	AJITHA V	P	P	P	P	A	P	P	A	P	P	P	P	P											
3	732716104004	AKILA A	P	P	P	P	A	A	P	A	P	P	P	P	P											
4	732716104010	DIVYA BHARATHI M	P	P	A	A	P	P	P	A	P	P	P	P	P											
5	732716104018	KANNAN P	P	P	P	P	P	P	P	A	P	P	P	P	P											
6	732716104023	KOWSALYA S	P	P	A	P	P	P	R	A	P	P	P	P	P											
7	732716104025	MAHESWARI S	P	P	P	P	A	A	A	P	P	P	A	P	P											
8	732716104028	MANO J	P	P	P	P	P	P	P	A	P	P	P	P	P											
9	732716104029	MANU R	P	P	P	P	A	P	P	A	P	P	P	P	P											
10	732716104036	POOJA K	P	P	P	P	P	P	P	A	P	P	P	P	P											
11	732716104037	POOJASHREE M	P	P	A	P	P	P	P	A	P	P	P	P	P											
12	732716104040	PURUSHOTHAMAN R	P	P	P	P	P	P	A	A	P	P	P	P	P											
13	732716104042	RAJESHVARI A	P	P	A	P	P	P	P	A	P	P	P	P	P											
14	732716104043	RAKSHANA J	P	P	P	P	P	P	A	A	A	P	P	P	P											
15	732716104045	RAMYA K	P	P	P	P	P	P	R	A	P	P	P	P	P											
16	732716104046	RENJUJA R	P	P	P	P	P	P	P	A	P	P	P	P	P											
17	732716104050	SHALINI V	P	P	P	P	A	P	A	A	P	P	P	P	P											
18	732716104052	THANUSHYA K	P	P	A	A	P	P	P	A	P	P	P	P	P											
19	732716104053	VIGNESH RAJA G	P	P	P	P	P	P	P	A	P	P	P	P	P											
20	732716104055	VINEETH KUMARA K	P	P	P	P	P	P	A	A	A	A	A	A	A											
Total number of Present			20	20	14	15	15	16	10	0	19	18	19	18	19											
Total number of Absent			0	0	6	5	5	5	2	0	2	3	1	2	1											
Total Student			20	20	20	20	20	20	20	20	20	20	20	20	20											
Batch: 2017-2021																										
S. No.			Year/ Sem: II/IV																							
Register Number			Dec-18			Jan-19																				
			28	29	30	31	2	3	4	5	6	7	8	9	10											
1	732717104001	AATHI C	P	P	P	P	P	P	P	P	P	P	P	P	P											
2	732717104002	ABU BAKKAR SITHICK G	P	P	P	P	P	P	P	P	P	P	P	P	P											
3	732717104004	ANITHA Q	P	P	P	P	P	P	P	P	P	P	P	P	P											
4	732717104007	ARUNESWAR S.S	P	P	P	P	P	P	P	P	P	P	P	P	P											
5	732717104008	DIVYA D	P	P	P	P	A	P	P	P	A	A	P	P	P											
6	732717104009	DIVYA R	P	P	P	P	P	P	P	R	A	P	P	P	P											
7	732717104010	ELAMATHI M	P	P	A	P	P	P	P	P	A	A	P	P	P											
8	732717104011	GOKUL RAJ C	P	P	A	A	P	P	P	P	P	P	P	P	P											
9	732717104014	JEEVITHA S	P	P	A	P	P	P	P	P	P	P	P	P	P											
10	732717104016	JEEVITHA SRI K.	P	P	P	P	P	P	P	P	P	P	P	P	P											
11	732717104017	JEMILA S	P	P	P	P	P	P	P	P	P	P	P	P	P											
12	732717104015	KARTHIKA S	P	P	P	P	P	P	P	P	P	P	P	P	P											
13	732717104019	KAVIN KISHORE E	P	P	P	P	P	P	P	P	P	P	P	P	P											
14	732717104020	KAVIN KUMAR L	P	P	A	P	P	P	P	P	P	P	P	P	A											
15	732717104021	KEERTHANA G	P	P	P	P	P	P	A	P	P	P	P	P	P											
16	732717104022	KEERTHIKA S	P	P	A	P	P	P	P	P	A	A	A	A	A											
17	732717104023	KIRUTHIGA G	P	P	P	P	P	A	A	P	P	P	P	P	P											
18	732717104027	NANDHINI S	P	P	A	P	P	P	P	P	P	P	P	P	P											
19	732717104039	SARANTAHESMAMALINI S	P	P	P	P	P	P	P	P	P	P	P	P	P											
20	732717104040	SATHISHKUMAR P	P	P	P	P	P	P	P	P	P	P	P	P	P											
21	732717104042	SCWIMIYA T	P	P	P	P	P	P	P	P	P	P	P	P	P											
Total number of Present			20	20	15	20	20	21	20	19	18	15	20	20	20											
Total number of Absent			0	0	6	5	5	5	3	2	3	1	1	2	1											
Total Student			21	21	21	21	21	21	21	21	21	21	21	21	21											

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

prach

31	732717104017	JEMILA S	6
32	732717104018	KARTHIGA S	5
33	732717104019	KAVIN KISHORE E	4
34	732717104020	KAVIN KUMAR L	3
35	732717104021	KEERTHANA G	8
36	732717104022	KEERTHIKA S	7
37	732717104023	KIRUTHIGA G	2
38	732717104027	NANDHINI S	3
39	732717104039	SARANYAHEMAMALINI S	2
40	732717104040	SATHISHKUMAR P	5
41	732717104042	SOWMIYA T	0

*occd*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

Department of Computer Science and Engineering

Academic Year: 2018 – 2019

**Consensus Full Stack Java Training – Assessment Report**

Date: 12.01.19

CO1: Understand and apply the core Java concepts with database connectivity.

CO2: Understand and apply the java web development.

Conducted quiz which covers first two CO's in set of 10 questions.

Conducted mini product development in which the first one covers CO1 and the second one covers CO2.

S.No.	Register Number	Name of the Student	Quiz Mark (10)	Product 1 (5)	Product 2 (5)	Total (20)
1	732716104002	AJITH S	10	4	5	19
2	732716104003	AJITHA V	7	5	4	16
3	732716104004	AKILA A	5	4	3	12
4	732716104010	DIVYA BHARATHI M	8	5	3	16
5	732716104018	KANNAN P	9	3	4	16
6	732716104023	KOWSALYA S	9	4	5	18
7	732716104025	MAHESWARI S	9	3	3	15
8	732716104028	MANO J	5	4	3	12
9	732716104029	MANU R	0	0	0	0
10	732716104036	POOJA K	0	0	0	0
11	732716104037	POOJASHREE M	8	4	3	15
12	732716104040	PURUSHOTHAMAN R	9	4	4	17
13	732716104042	RAJESHWARI A	9	5	3	17
14	732716104043	RAKSHANA J	10	4	3	17
15	732716104045	RAMYA K	10	5	4	19
16	732716104046	RENUGA R	10	4	3	17
17	732716104050	SHALINI V	6	3	0	9
18	732716104052	THANUSHYA K	8	4	3	15
19	732716104053	VIGNESH RAJA G	8	4	4	16
20	732716104055	VINEETH KUMAR A K	9	5	5	19
21	732717104001	AATHI C	7	3	3	13
22	732717104002	ABU BAKKAR SITHICK G	9	5	5	19
23	732717104004	ANITHA G	8	3	3	14
24	732717104007	ARUNESWAR S S	10	5	4	19
25	732717104008	DIVYA D	0	0	0	0
26	732717104009	DIVYA R	7	5	5	17
27	732717104010	ELAMATHI M	8	3	4	15

*[Signature]*  
PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.

28	732717104011	GOKUL RAJ C	7	4	3	14
29	732717104014	JEEVITHA S	9	4	3	16
30	732717104016	JEEVITHASRI K	10	3	5	18
31	732717104017	JEMILA S	10	3	4	17
32	732717104018	KARTHIGA S	7	3	3	13
33	732717104019	KAVIN KISHORE E	8	5	4	17
34	732717104020	KAVIN KUMAR L	6	4	5	15
35	732717104021	KEERTHANA G	9	3	5	17
36	732717104022	KEERTHIKA S	9	3	4	16
37	732717104023	KIRUTHIGA G	0	0	0	0
38	732717104027	NANDHINI S	7	3	0	10
39	732717104039	SARANYAHEMAMALINIS	8	5	5	18
40	732717104040	SATHISHKUMAR P	7	3	3	13
41	732717104042	SOWMIYA T	4	3	2	9



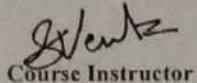
shanmuga College of Engineering and Technology  
Department of Computer Science and Engineering  
Academic Year: 2018-2019

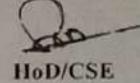
Consensus Full Stack Java Training – Assessment Marks

Register No.	Question No. Name	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL Marks	Grade
		1	1	1	1	1	1	1	1	1	1	1	1		
732716104002	AJITH S	1	1	1	1	1	1	1	1	1	1	4	5	19	↑
732716104003	AJITHA V	0	1	0	1	0	1	1	1	1	1	5	4	16	↑
732716104004	AKILA A	0	0	1	0	0	1	0	1	1	1	4	3	12	→
732716104010	DIVYA BHARATHI M	1	0	1	1	1	1	1	1	*	1	5	3	16	↑
732716104018	KANNAN P	1	1	1	1	0	1	1	1	1	1	3	4	16	↑
732716104023	KOWSALYA S	1	1	1	0	1	1	1	1	1	1	4	5	18	↑
732716104025	MAHESWARI S	1	1	1	1	1	1	*	1	1	1	3	3	15	↑
732716104028	MANO J	0	0	0	1	1	1	0	0	1	1	4	3	12	→
732716104029	MANU R	*	*	*	*	*	*	*	*	*	*	*	*	0	↓
732716104036	POOJA K	*	*	*	*	*	*	*	*	*	*	*	*	0	↓
732716104037	POOJASHREE M	1	1	1	*	0	1	1	1	1	1	4	3	15	↑
732716104040	PUHUSHOTHAMAN R	1	1	1	1	0	1	1	1	1	1	4	4	17	↑
732716104042	RAJESHWARI A	1	1	1	1	1	1	*	1	1	1	5	3	17	↑
732716104043	RAKSHANA J	1	1	1	1	1	1	1	1	1	1	4	3	17	↑
732716104045	RAMYA K	1	1	1	1	1	1	1	1	1	1	5	4	19	↑
732716104046	RENUGA R	1	1	1	1	1	1	1	1	1	1	4	3	17	↑
732716104050	SHALINI V	1	1	1	0	1	0	0	1	0	1	3	0	9	↓
732716104052	THANUSHYA K	1	1	0	1	1	1	0	1	1	1	4	3	15	↑
732716104053	VIGNESH RAJA G	1	1	1	1	0	1	1	1	0	1	4	4	16	↑
732716104055	VINEETH KUMAR A K	1	1	0	1	1	1	1	1	1	1	5	5	19	↑
732717104001	AATHI C	1	1	1	0	0	1	0	1	1	1	3	3	13	→
732717104002	ABU BAKKAR SITHICK G	1	1	1	1	0	1	1	1	1	1	5	5	19	↑
732717104004	ANITHA G	1	1	1	0	1	0	1	1	1	1	3	3	14	↑
732717104007	ARUNESWAR S S	1	1	1	1	1	1	1	1	1	1	5	4	19	↑
732717104008	DIVYA D	*	*	*	*	*	*	*	*	*	*	*	*	0	↓
732717104009	DIVYA R	1	*	1	1	1	0	0	1	1	1	5	5	17	↑
732717104010	ELAMATHI M	1	1	0	1	1	0	1	1	1	1	3	4	15	↑
732717104011	GOKUL RAJ C	1	0	1	0	1	1	1	1	*	1	4	3	14	↑
732717104014	JEEVITHA S	1	1	1	1	1	0	1	1	1	1	4	3	16	↑
732717104016	JEEVITHASRI K	1	1	1	1	1	1	1	1	1	1	3	5	18	↑
732717104017	JEMILA S	1	1	1	1	1	1	1	1	1	1	3	4	17	↑
732717104018	KARTHIGA S	1	1	1	0	1	0	0	1	1	1	3	3	13	→
732717104019	KAVIN KISHORE E	1	0	1	1	1	0	1	1	1	1	5	4	17	↑
732717104020	KAVIN KUMAR L	1	1	0	0	1	0	1	1	0	1	4	5	15	↑
732717104021	KEERTHANA G	1	1	1	1	1	1	0	1	1	1	3	5	17	↑

732717104022	KEERTHIKA S	1	1	0	1	1	1	1	1	1	3	4	16	↑
732717104023	KIRUTHIGA G	*	*	*	*	*	*	*	*	*	*	*	0	↓
732717104027	NANDHINI S	0	1	0	1	1	1	0	1	1	1	3	0	10
732717104039	SARANYAHEMAMALINI S	1	0	1	1	1	1	1	1	1	*	5	5	18
732717104040	SATHISHKUMAR P	1	1	0	1	1	0	1	0	1	1	3	3	13
732717104042	SOWMIYA T	1	0	0	0	1	1	0	0	1	0	3	2	9
No. of Students Absent for the Test(A)		0	0	0	0	0	0	0	0	0	0	0	0	
No. of Students omits the question(*)		1	3	4	3	4	4	6	4	5	5	4	4	
No. of Students attempted the Question		33	32	33	32	33	33	31	33	32	32	33	33	
Total No. of Students		41	41	41	41	41	41	41	41	41	41	41	41	
Marks Scored		31	27	24	24	27	24	22	30	29	31	126	117	
Average Mark Scored in this question		0.9	0.8	0.7	0.8	0.8	0.7	0.7	0.9	0.9	1.0	3.8	3.5	
Average % Mark Scored in this question		90%	80%	70%	80%	80%	70%	70%	90%	90%	####	76%	70%	

Scale(3) - ≥ 14  
Scale(2) - 12 to 13  
Scale(1) - <12

  
Course Instructor

  
HoD/CSE

HEAD OF THE DEPARTMENT,  
Computer Science and Engineering,  
Sri Shanmuga College of Engg & Tech,  
PULLIPALAYAM, SANKARI-637 304.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

Department of Computer Science and Engineering  
Consensus Full Stack Java Training – CO Attainment

Academic Year: 2018-19

**Performance Metrics:**

**Attainment of Course Outcomes (Goal :50%)**

CO1: Understand and apply the core java concepts with database connectivity.

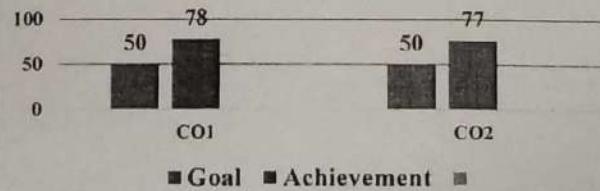
CO2: Understand and apply the java web development.

Question nos.	Part A (10 x 1=10 Marks)									
	1	2	3	4	5	6	7	8	9	10
No of student attempted the question	33	32	33	32	33	33	31	33	32	32
Average marks scored in the question	0.90	0.80	0.70	0.80	0.80	0.70	0.70	0.90	0.90	1.00
Average % of mark scored in the question	90%	80%	70%	80%	80%	70%	70%	90%	90%	100%

Question nos.	Part B (2 x 5=10 Marks)				
	11	12			
No of student attempted the question	33	33			
Average marks scored in the question	3.80	3.50			
Average % of mark scored in the question	76%	70%			

Course Outcome	Questions used for assessment	% Avg marks	%Avg marks for CO	Scale(3)
CO1	Q1,Q2,Q3,Q4,Q5	80%	78%	↑
	Q11	76%		
CO2	Q6,Q7,Q8,Q9,Q10	84%	77%	↑
	Q12	70%		

### Attainment of Course Outcome



Project work can be better. The practice for project need to be provided more next time.

INSTRUCTOR FEEDBACK:

HoD/CSE

**HEAD OF THE DEPARTMENT,**  
**Computer Science and Engineering,**  
**Sri Shanmuga College of Engg & Tech,**  
**PULLIPALAYAM, SANKARI - 637 304.**

**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-637 304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

Department of Computer Science and Engineering

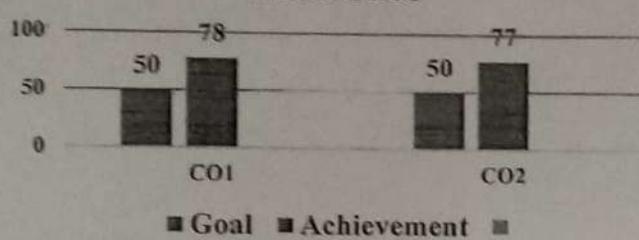
Academic Year: 2018 – 2019

Value Added Course - Consensus Full Stack Java Training –POs & PSOs Attainment

CO1: Understand and apply the core java concepts with database connectivity.

CO2: Understand and apply the java web development.

**Attainment of Course  
Outcome**



CO1 = 3 and CO2 = 3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	6	9		6	3	3		3		3		9	6
CO2	3	6	9		6	3	3		3		3		9	6
Attainment	3	3	3		3	3	3		3		3		3	3

HOD Sign

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR 637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.

HEAD OF THE DEPARTMENT,  
Computer Science and Engineering,  
Sri Shanmuga College of Engg & Tech,  
PULLIPALAYAM, SANKARI-637 304.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

Department of Computer Science and Engineering

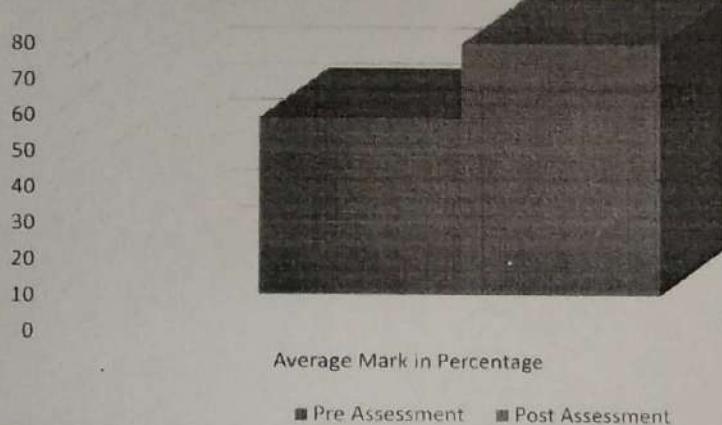
Academic Year: 2018 – 2019

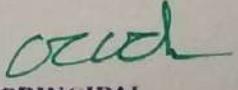
**Consensus Full Stack Java Training – Impact Analysis of Assessment**

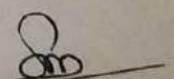
Date: 12/01/2019

	Average Mark in Percentage	Improvement in Percentage
Pre Assessment	49.2%	
Post Assessment	70.1%	20.9%

**Impact Analysis of Assessment**



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.





## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING AND TECHNOLOGY

#### Report for Certificate course on Full stack java training

Full stack java training programme conducted for all computer science and engineering students by the consensus technology, coimbatore. This training would create better impact for getting jobs in IT industries. The training programme was scheduled from 28.12.2018 to 12.01.2019, total hours 112. Department of computer science Students were asked to register for this course. Totally 41 students were registered in this course. This course entirely full stack java which required in the industry having good demand, so it was taught by from corporate trainers. About this course, learning enthusiast and want to create a quick and efficient web application, and have some Java knowledge and a little or no knowledge about the Java networking programming, then this course would be useful.

"Full Stack Java developer Practical Guide" introduces you to Java, JSP, Restful WS, and spring. In this course, you will be able to combine all the ways to connect to the database and learn how to make it in an informative and attractive way. Here, you will learn all the basic concepts, tools, functions, and required topics which usually a Java Developer requires during the web application development process. The course starts with Java, including multi-threading, Lambdas, Collections debugging and introduction to GIT. Then we will move towards JSP and Servlets. Once we are done with JSP and Servlets, we will start exploring Hibernate. An application will be built using JSP and Hibernate as well.

Java, JSP, and Servlets are core technologies, now once we have completed the core technologies, we will move towards spring framework. Spring framework is among the most popular Java framework, we will cover the spring framework, and then we will start with the very important "Restful web services". Finally, after completion for web-services, we will start with spring boot.

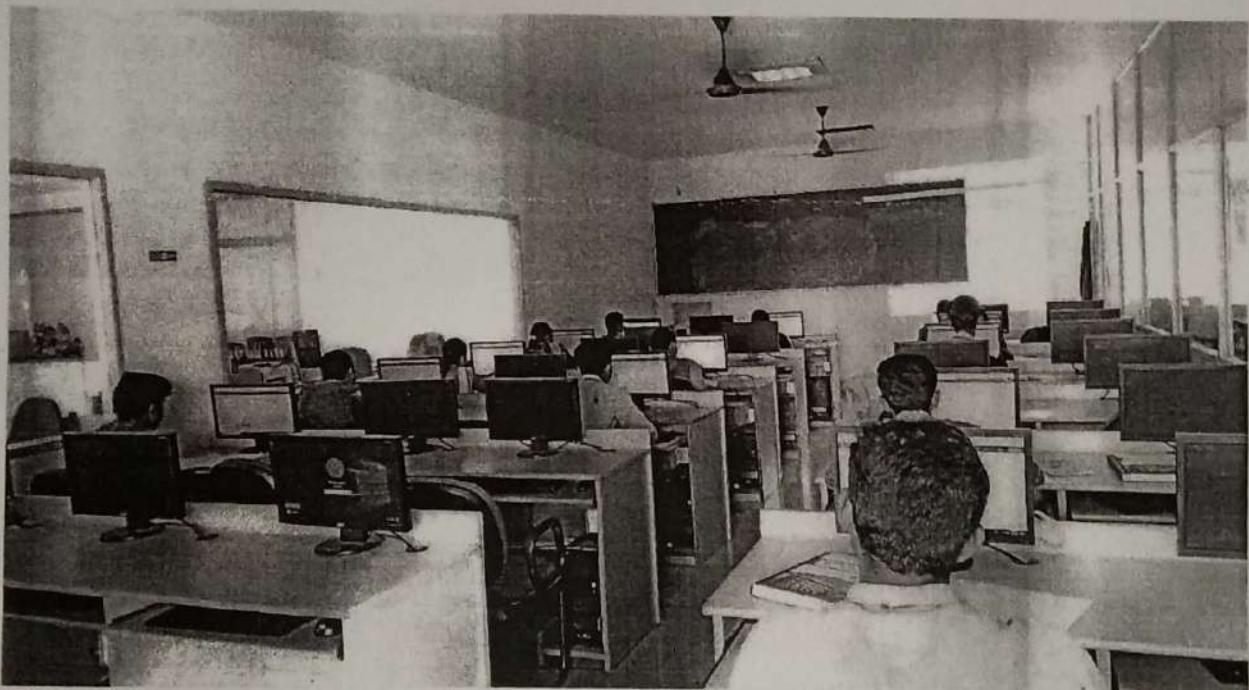
how to set up your development for Full Stack Java by installing Eclipse on various operating systems along with the following topics.

- Learn Java Server Pages from basics to advance
- Understand building web forms with JSP
- Decision making under Java
- Object-oriented programming concepts
- Flow control
- Method parameter and return type
- Use web template to make the web application incredible

*occd*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

- Core concept
- Array
- Collections debugging
- Generics
- Multi-threading
- Create-Deploy Servlets & Understand Servlet Lifecycle
- Forms under JSP and Servlets
- Develop Dynamic Web Applications.

The above said topics were covered in the course. The students were participated actively and completed assessments part also.



*occd*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**Consensus  
Technologies Pvt Ltd**

10/10-21, Village Nagar,  
Kurumbapalayam,  
Coimbatore, TamilNadu-641107  
[info@consensus.co.in](mailto:info@consensus.co.in)  
[www.consensus.co.in](http://www.consensus.co.in)

**Certificate of Completion**

This is to certificate that Mr/Ms kowsalya s has done technology training on Full Stack Java Developer. During the course period the performance of the trainee was found to be Good

Venkatesh. S,  
CEO

[www.consensus.co.in](http://www.consensus.co.in)

*ccod*  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT), T.N.



**Consensus**

**Technologies Pvt Ltd**

Korumbapalayam,  
Coimbatore,TamilNadu-641107  
info@consensus.co.in  
www.consensus.co.in

**Certificate of Completion**

This is to certificate that Mr/Ms Purushothaman R has done technology training on Full Stack Java Developer. During the course period the performance of the trainee was found to be Good

Venkatesh. S,

CEO

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MGRUR-637304  
SANAGIRI(TK), SALEM(CT), T.N.



**Consensus**

**Technologies Pvt Ltd**

Korumbapalayam,  
Coimbatore, Tamil Nadu-641107  
[info@consensus.co.in](mailto:info@consensus.co.in)  
[www.consensus.co.in](http://www.consensus.co.in)

**Certificate of Completion**

This is to certificate that Mr/Ms Ramya K, has done technology training on Full Stack Java Developer. During the course period the performance of the trainee was found to be Good

Venkatesh. S,

CEO

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**Consensus**  
*Technologies Pvt Ltd*

10/3-21, Village Nagar,

Kurumbapalayam,

Coimbatore, Tamil Nadu-641107

[info@consensus.co.in](mailto:info@consensus.co.in)

[www.consensus.co.in](http://www.consensus.co.in)

**Certificate of Completion**

This is to certificate that Mr/Ms Purushothaman R has done technology training on Full Stack Java Developer. During the course period the performance of the trainee was found to be Good

Venkatesh. S.

CEO

PRINCIPAL,  
S.P.I. SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
TIRUNALMORUR-637 304.  
TIRUCHIRAPPALAYAM, T.N.

[www.consensus.co.in](http://www.consensus.co.in)

## Fleet Finance (my vehicle)

### Client

Greefi Technologies (Own product)

### Description

Fleet finance (Truck) is an interactive app that helps you to managing Truck (Lorries) vehicles including employees, income payment, expense, vehicle service management etc.

This application is used to track all the outstanding payments from every customer and manage all the reports in handwritten form or to remember all the details as there as there is a pool of details that need to be monitored in lorry services.

### Project Duration:

Jan 2018 – still in update.

### Project Modules:

#### Owner Module

Modules	Members
<b>Master</b> <ul style="list-style-type: none"><li>• Customer</li><li>• Vehicles</li><li>• Staffs</li><li>• Accounts</li><li>• Expense/income type</li><li>• RTO/PC master</li></ul>	Shalini V Jeevithasri K
<b>Trip</b> <ul style="list-style-type: none"><li>• Memo</li><li>• Add Trip</li><li>• Add Entry</li><li>• Add expenses</li><li>• Add trip advance</li><li>• Add halt</li></ul>	Purushothaman R Ashok kumar Kowsalya S
<b>Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Abu Bakkar Sithick G
<b>Extra Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Vignesh Raja G
<b>Report</b> <ul style="list-style-type: none"><li>• Expense Report</li></ul>	Kavin Kumar L
<b>Trip Sheet</b>	Ramya K

## RIG

### Client

Greefi Technologies (Own product)

### Description

Fleet finance (RIG) is an interactive app that helps you to managing RIG (Borewell Rig) vehicles including employees, income payment, expense, vehicle service management etc.

This application is used to track all the outstanding payments from every customer and manage all the reports in handwritten form or to remember all the details as there is a pool of details that need to be monitored in Rig services.

### Project Duration:

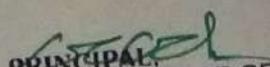
Start : Jan 2019

End : Mar 2019

### Project Modules:

#### Owner Module

Modules	Members
<b>Master</b> <ul style="list-style-type: none"><li>• Customer</li><li>• Vehicles</li><li>• Staffs</li><li>• Accounts</li><li>• Expense/income type</li><li>• RTO/PC master</li></ul>	Shalini V Jeevithasri K
<b>Trip</b> <ul style="list-style-type: none"><li>• Memo</li><li>• Add Trip</li><li>• Add Entry</li><li>• Add expenses</li><li>• Add trip advance</li><li>• Add halt</li></ul>	Purushothaman R Ashok Kumar Kowsalya S
<b>Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Abu Bakkar Sithick G
<b>Extra Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Vignesh Raja G
<b>Report</b> <ul style="list-style-type: none"><li>• Expense Report</li></ul>	Kavin Kumar L
<b>Trip Sheet</b>	Ramya K

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.

## RIG

### Client

Greefi Technologies (Own product)

### Description

Fleet finance (RIG) is an interactive app that helps you to managing RIG (Borewell Rig) vehicles including employees, income payment, expense, vehicle service management etc.

This application is used to track all the outstanding payments from every customer and manage all the reports in handwritten form or to remember all the details as there is a pool of details that need to be monitored in Rig services.

### Project Duration:

Start : Jan 2019

End : Mar 2019

### Project Modules:

#### Owner Module

Modules	Members
<b>Master</b> <ul style="list-style-type: none"><li>• Customer</li><li>• Vehicles</li><li>• Staffs</li><li>• Accounts</li><li>• Expense/income type</li><li>• RTO/PC master</li></ul>	Shalini V Jeevithasri K
<b>Trip</b> <ul style="list-style-type: none"><li>• Memo</li><li>• Add Trip</li><li>• Add Entry</li><li>• Add expenses</li><li>• Add trip advance</li><li>• Add halt</li></ul>	Purushothaman R Ashok kumar Kowsalya S
<b>Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Abu Bakkar Sithick G
<b>Extra Income</b> <ul style="list-style-type: none"><li>• Add</li><li>• View</li></ul>	Vignesh Raja G
<b>Report</b> <ul style="list-style-type: none"><li>• Expense Report</li></ul>	Kavin Kumar L
<b>Trip Sheet</b>	Ramya K

### Manger Module

Modules	Members
Master • Customer • Vehicles • Staffs • Accounts • Expense/income type • RTO/PC master	Shalini V Jeevithasri K
Trip • Memo • Add Trip • Add Entry • Add expenses • Add trip advance • Add halt	Purushothaman R Ashok kumar Kowsalya S
Income • Add • View	Abu Bakkar Sithick G
Extra Income	Vignesh Raja G
• Add • View	
Report	Kavin Kumar L
• Expense Report	
Trip Sheet	Ramya K

### Tools :

Eclipse software, Sublime test, Visual studio

### Software Specification:

Swing MVC, HTML, Java Script –XML basics, JQuery, Laravel



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)  
Department of Computer Science and Engineering

JAVA Quiz

1. Who is considered as the founder of JAVA?

- a. Dennis Richie
- b. Ken Thompson
- c. James Gosling
- d. Bjarne Stroustrup

2. JVM stands for

- a. Java Verified Machine
- b. Java Virtual Machine
- c. Java Very large Machine
- d. Java Very small Machine

3. What is the output of this program?

```
class area {  
    public static void main(String args[])  
    {  
        double r, pi, a;  
        r = 9.8;  
        pi = 3.14;  
        a = pi * r * r;  
        System.out.println(a);  
    }  
}
```

- a. 301.5656
- b. 301
- c. 301.56
- d. 301.56560000

4. What is byte code in the context of Java?

- a. The type of code generated by a Java compiler
- b. The type of code generated by a Java Virtual Machine
- c. It is another name for a Java source file
- d. It is the code written within the instance methods of a class.

5. UML stands for

- a. Uniform Modeling Language
- b. Unified Modeling Language
- c. United Modeling Language
- d. Unique Modeling Language

6. Which keyword is used to inherit class?

- a. inherit

*occd*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR 637 304,  
SANKARI(TK), SALEM 630 003, T.N.

- b. extends
- c. inheritance
- d. extend

7. How many type of Primitive Data Types exist in Java?

- a. 5
- b. 7
- c. 8
- d. 10

8. A collection of methods with no implementation is called an \_\_\_\_\_.

- a. Polymorphism
- b. Inheritance
- c. Interface
- d. Data Binding

9. Which is not a valid comment style in Java

- a. /\* comment \*/
- c. /\* comment
- d. /\*\* comment \*/
- e. // comment

10. Which is not a valid keyword in java?

- a. null
- b. transient
- c. synchronized
- d. native

Answer:

1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Computer Science and Engineering

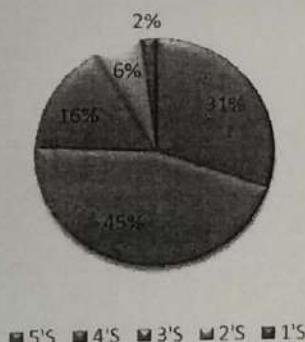
#### Feed Back Analysis

**Topic of the Event: Consensus Full Stack Java Training**

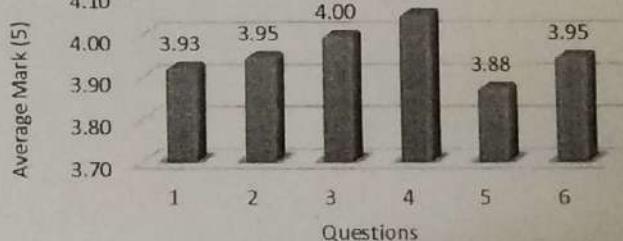
**Date: 12/01/2019**

QUESTION NUMBER	No of Students Rated	RATING					Awarded Marks	Strength	Average Marks (5)
		5	4	3	2	1			
1		12	18	6	3	1	157	40	3.93
2		13	16	8	2	1	158	40	3.95
3		12	21	4	1	2	160	40	4.00
4		13	18	7	2	0	162	40	4.05
5		14	13	8	4	1	155	40	3.88
6		9	23	5	3	0	158	40	3.95
Total Value		73	109	38	15	5			
Strength		40	40	40	40	40			
Event Rating %		30.42	45.42	15.83	6.25	2.08			

**Event Rating**



**Average Marks on Each Questions**



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT),T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC



Dr. R. Radhakrishnan, Ph.D.

Principal

Ref: SSCET/Principal/PT/2017

Date: 12/01/2019

To

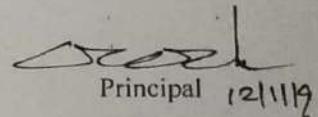
Venkatesh  
CEO  
Consensus Technologies Pvt Ltd,  
Coimbatore – 641107

Respected Sir,

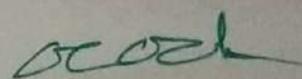
Sub: Appreciation letter - Reg

We extend heartfelt thanks to you for conducting a placement training for 14 days from 28/12/2018 to 12/01/2019 in the area of “**Full Stack Development - Java**”. Your placement training is highly appraisable and informative to our students and they gained more exposure from your training.

Thank you



Principal 12/1/19



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

Email: info@shanmughacollege.com / www.shanmuga.edu.in



### SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Computer Science and Engineering

#### FEEDBACK FORM For Placement Training

Name of the Participant	Kasi Prana C
Branch	CSE
Topic of the event	Full Stack Development
Date	12/01/2019

Please respond by encircling the appropriate option:

- |  | Excellent | Very Good | Good | Fair | Poor |
|--|-----------|-----------|------|------|------|
| 1. The program was well paced within the allotted time   | 5         | 4         | 3    | 2    | 1    |
| 2. The speaker was a good communicator   | 5         | 4         | 3    | 2    | 1    |
| 3. The material was presented in an organized manner   | 5         | 4         | 3    | 2    | 1    |
| 4. The information presented was relevant to your needs  | 5         | 4         | 3    | 2    | 1    |
| 5. I would be interested in attending a follow-up  | 5         | 4         | 3    | 2    | 1    |
| 6. Sufficient opportunity was provided for questions   | 5         | 4         | 3    | 2    | 1    |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? |           |           |      |      |      |

Noad More Session

Thank you!

Please return this form to the organizer at the end of the event.

*xxd*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Computer Science and Engineering

FEEDBACK FORM  
For Placement Training

Name of the Participant	Vignesh Varan . Cr.
Branch	CSE
Topic of the event	Full Stack Development
Date	12/01/2019

Please respond by encircling the appropriate option:

- |  | Excellent            | Very Good | Good | Fair | Poor |
|--|----------------------|-----------|------|------|------|
| 1. The program was well paced within the allotted time   | 5                    | 4         | 3    | 2    | 1    |
| 2. The speaker was a good communicator   | 5                    | 4         | 3    | 2    | 1    |
| 3. The material was presented in an organized manner   | 5                    | 4         | 3    | 2    | 1    |
| 4. The information presented was relevant to your needs  | 5                    | 4         | 3    | 2    | 1    |
| 5. I would be interested in attending a follow-up  | 5                    | 4         | 3    | 2    | 1    |
| 6. Sufficient opportunity was provided for questions   | 5                    | 4         | 3    | 2    | 1    |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? | Java applet is good. |           |      |      |      |

-( )

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MORUR-637  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankagiri (Tk), Salem (DT)

(Approved by AICTE, New Delhi and Affiliated to Anna University)

Accredited by NAAC



ISO 9001:2015

CERTIFIED

Dr. G.Kavitha, Ph.D.

Principal

Ref : SSCET/Placement Training/Invitation/2017

Date : 02/11/2017

To

Venkatesh  
CEO  
Consensus Technologies Pvt Ltd,  
Coimbatore – 641107

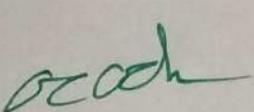
Respected Sir,

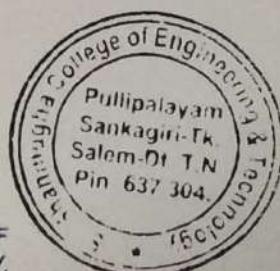
SUB: Inviting as a Resource Person-Regarding

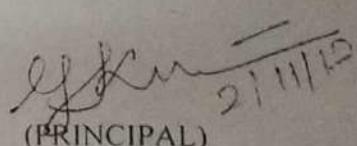
The department of Computer Science and Engineering has planned to conduct a placement training on “Full Stack Development - Java” for all the CSE and ECE students from 27/11/2017 to 10/12/2017. As per the telephonic conversation held with you, I am forwarding this letter to invite you and your team as a resource persons to conduct the training program on the above said subject.

We expect your presence on the above mentioned date and the needs from your side had been arranged.

Thanking you

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



  
(PRINCIPAL)

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# **Electronics and Communication Engineering**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
[Approved by AICTE, Affiliated to Anna University]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

### ***FEEDBACK ANALYSIS REPORT FOR ACADEMIC YEAR 2018-2019***

➤ **STUDENTS' FEEDBACK:**

Requested for the guest lectures on theory subjects and video lectures for better understanding, allot more hours for lab experiments and for projection of experiment based video animation before doing experiments, also to provide written notes for theory papers and more number of exercises for analytical subjects so as to become well versed in it.

➤ **COMPLIANCE:**

Guest lectures by the leading industrialists and the faculties from the premier institutions were arranged mainly for management and general papers. Youtube videos related to the topics in which the students were lacking behind were projected periodically. More practice sessions were allocated and experiment based animated videos were shared among the students before commencing lab session. Written notes for each unit were given to students and they were made to solve more number of problems during the class hours.

➤ **ALUMNI FEEDBACK:**

Requested for more training on communication and mock interviews for being tension-free during HR interview, more training on computer language for the students interested in software domain, core based training utilizing core based software knowledge, career guidance program and to choose subjects specific papers related to core company.

➤ **COMPLIANCE:**

Placement and Training Cell exerting the extensive efforts for developing soft skills and communication ability of students by offering advanced training and mock-interviews so as to reduce the tension of the students while facing the interview panel. Programme on Altium software for designing PCB board, MATLAB for data processing workshop and Multisim Online Circuit Simulator were imparted to the students who are interested in their respective specific domain, which are all the software related to core. Advanced Communication related subjects were chosen in the final semester for better understanding of signals. Various Carrier Guidance Programs were conducted through leading industrialists which facilitated the students to finalize their way for career.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR - 637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

➤ **TEACHERS' FEEDBACK:**

Requested for extra classes for completing the hard part of syllabus, additional classes for analytical subjects to solve more problems so that students can understand well the analytical part even if they are given in different modes, to bring company who would offer Internship to 3<sup>rd</sup> year students along with the placement for senior students, so as to experience the work nature while studying.

➤ **COMPLIANCE:**

Additional classes were allocated for the faculties based on the intensity of syllabus. Similarly, additional hours were allotted for those who are handling analytical subjects so as to enable the students to practice more number of problems and thus to become thorough with the subjects. Alumni students have been impressed upon to identify the companies where internships are available and to guide their juniors appropriately.

➤ **EMPLOYERS' FEEDBACK:**

HR from IT companies requested to provide more program training, communication training and aptitude training to the students and to conduct test so that they will take a serious note of it and to help them to know the aspects required for team work,

➤ **COMPLIANCE:**

Continuous training on soft skill is ensured for the final year students and they are asked to do mini projects or role-play from 5<sup>th</sup> semester onwards so as to make them get experienced on team work. Industrial experts are invited time and again to impart training for students in both hardware and software.

HoD/ECE

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKACIRI(TK), SALEM(DT), T.N.

From

T.Yamuna Devi,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Sri Shanmuga College of Engineering and Technology,  
Pullipalayam,  
Sankari.

To

The Head of the Department,  
Sri Shanmuga College of Engineering and Technology,  
Pullipalayam,  
Sankari.

Respected Sir/Madam,

**Sub:Permission for conducting Certificate courses – Reg.**

We are planning to conduct Certificate Course on Embedded System using Arduino for II B.E Electronics and Communication Engineering as an additional knowledge and career development between 07.01.2019 to 12.01.2019. In this regard, we kindly request you to provide us permission and allow us to conduct the classes in the Department of Electronics and Communication Engineering on the proposed date.

**Venue: Electronics Circuits Laboratory-Main Building**

Thanking you,

Place:Sankari

Date:26.12.2018

Approved by

Sincerely,

(T.Yamuna Devi, AP/ECE)

**PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.**



**Sri Shanmuga College of Engineering and Technology**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

C.NO:SSCET/ECE/COURSES/2018-19

Date: 25.12.2018

**CIRCULAR**

This is to inform all the students of Electronics and Communication Engineering Department T.Yamuna Devi(AP/ECE) has planned to conduct Certificate Course on Embedded System using Arduino for all the years. Interested candidates are requested to register their names to their respective class advisors on or before 29.12.2018

  
HOD/ECE

**Copy to:**

1. Circulate to ECE Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office





**PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
KANKAGIRI(TK).SALEM(DT).T.N.**



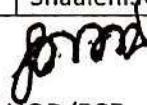
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Participants for Embedded System using Arduino

Course Duration: 48 Hours

S.No	REGISTER NUMBER	STUDENT NAME
1.	732717106001	Anusiya P
2.	732717106004	Bharanidharan K
3.	732717106005	Bhuvaneshwari K
4.	732717106007	Chinnakaruppusamy G
5.	732717106008	Dhivya V
6.	732717106009	Divya P
7.	732717106010	Divyadarshini S
8.	732717106011	Gokul A
9.	732717106012	Hamsavardhini G
10.	732717106013	Ishwarya M
11.	732717106018	Kokila K
12.	732717106020	Malini J
13.	732717106022	Mukul R
14.	732717106026	Palanisamy K
15.	732717106027	Prakash M
16.	732717106028	Praveenkumar R
17.	732717106029	Priya P
18.	732717106030	Priyanka R
19.	732717106032	Ramesh K
20.	732717106033	Renugadevi C
21.	732717106035	Sajith R
22.	732717106037	Sathiyapriya E
23.	732717106038	Sathyabharathi S
24.	732717106039	Shalini R
25.	732717106041	Sugunadevi S
26.	732717106042	Sundhar A
27.	732717106043	Tamilazhi K
28.	732717106045	Thenpandiyan R
29.	732717106046	Udhaya N
30.	732717106047	Vasudevan K
31.	732717106048	Vasuki R
32.	732717106050	Vennila S
33.	732717106052	Yuvaraj S (27-06-1999)
34.	732717106053	Yuvaraj S (29-02-2000)
35.	732717106701	Shaaleni K

COURSE IN-CHARGE  
(T.Yamuna Devi)

HOD/ECE  
(Dr.P.Kalyana Sundharam)    
(Dr.R.Radha Krishnan)



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Attendance for Embedded System using Arduino Class — II ECE

S.No	REGISTER NUMBER	STUDENT NAME	07.01.2019	08.01.2019	09.01.2019	10.01.2019	11.01.2019	12.01.2019
1.	732717106001	Anusuya P	P.TW	P.TW	P.TW	P.TW	P.TW	P.TW
2.	732717106004	Bharanidharan K	K.Raj	K.Raj	K.Raj	K.Raj	K.Raj	K.Raj
3.	732717106005	Bhuvaneshwari K	B.Raju	B.Raju	B.Raju	B.Raju	B.Raju	B.Raju
4.	732717106007	Chinnakaruppusamy G	G.Cars	G.Cars	G.Cars	A	G.Cars	G.Cars
5.	732717106008	Dhivya V	V.D	V.D	V.D	V.D	V.D	V.D
6.	732717106009	Divya P	P.D	P.D	P.D	P.D	P.D	P.D
7.	732717106010	Divyadharshini S	R.P	R.P	R.P	R.P	R.P	R.P
8.	732717106011	Gokul A	A.Gokul	A.Gokul	A.Gokul	A.Gokul	A.Gokul	A.Gokul
9.	732717106012	Hamsavardhini G	G.Hari	G.Hari	G.Hari	G.Hari	G.Hari	G.Hari
10.	732717106013	Ishwarya M	M.Ishwarya	M.Ishwarya	M.Ishwarya	M.Ishwarya	M.Ishwarya	M.Ishwarya
11.	732717106018	Kokila K	K.Kokila	K.Kokila	K.Kokila	K.Kokila	K.Kokila	K.Kokila
12.	732717106020	Malini J	J.Malini	J.Malini	J.Malini	J.Malini	J.Malini	J.Malini
13.	732717106022	Mukul R	R.Mukul	R.Mukul	R.Mukul	R.Mukul	R.Mukul	R.Mukul
14.	732717106026	Palanisamy K	P.K	P.K	P.K	P.K	P.K	P.K
15.	732717106027	Prakash M	M.Prakash	M.Prakash	M.Prakash	M.Prakash	M.Prakash	M.Prakash
16.	732717106028	Praveenkumar R	R.P	R.P	R.P	R.P	R.P	A
17.	732717106029	Priya P	P.Priya	P.Priya	P.Priya	P.Priya	P.Priya	P.Priya
18.	732717106030	Priyanka R	C.Priyanka	C.Priyanka	C.Priyanka	C.Priyanka	C.Priyanka	C.Priyanka
19.	732717106032	Ramesh K	K.Ramesh	K.Ramesh	K.Ramesh	K.Ramesh	K.Ramesh	K.Ramesh
20.	732717106033	Renugadevi C	Renu	Renu	Renu	Renu	Renu	Renu
21.	732717106035	Sajith R	Sajith	Sajith	Sajith	Sajith	Sajith	Sajith
22.	732717106037	Sathiyapriya E	E.Sathiyapriya	E.Sathiyapriya	E.Sathiyapriya	E.Sathiyapriya	E.Sathiyapriya	E.Sathiyapriya
23.	732717106038	Sathyabharathi S	Sathyabharathi	Sathyabharathi	Sathyabharathi	Sathyabharathi	Sathyabharathi	Sathyabharathi
24.	732717106039	Shalini R	R.Shalini	R.Shalini	R.Shalini	R.Shalini	R.Shalini	R.Shalini
25.	732717106041	Sugunadevi S	Sugunadevi	Sugunadevi	Sugunadevi	Sugunadevi	Sugunadevi	Sugunadevi
26.	732717106042	Sundhar A	A.Sundhar	Sundhar	Sundhar	Sundhar	Sundhar	Sundhar
27.	732717106043	Tamilazhagi K	K.Tamilazhagi	K.Tamilazhagi	K.Tamilazhagi	K.Tamilazhagi	K.Tamilazhagi	K.Tamilazhagi
28.	732717106045	Thenpandiyan R	K.P.	K.P.	K.P.	K.P.	K.P.	K.P.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(UT).T.N.

29.	732717106046	Udhaya N	<i>Udhaya</i>						
30.	732717106047	Vasudevan K	<i>Vasudevan</i>	<i>Vasudevan</i>	<i>a</i>	<i>Vasudevan</i>	<i>Vasudevan</i>	<i>Vasudevan</i>	<i>Vasudevan</i>
31.	732717106048	Vasuki R	<i>a</i>	<i>Vasuki</i>	<i>Vasuki</i>	<i>Vasuki</i>	<i>Vasuki</i>	<i>Vasuki</i>	<i>Vasuki</i>
32.	732717106050	Vennila S	<i>Vennila</i>	<i>Vennila</i>	<i>Vennila</i>	<i>Vennila</i>	<i>a</i>	<i>Vennila</i>	<i>Vennila</i>
33.	732717106052	Yuvraj S (27-06-1999)	<i>Yuvraj</i>						
34.	732717106053	Yuvraj S (29-02-2000)	<i>S-Yuvraj</i>						
35.	732717106701	Shaaleni.K	<i>K-Shaaleni</i>						

*T. Yamuna Devi*  
COURSE IN-CHARGE  
(T.Yamuna Devi)

*from*  
HOD/ECE  
(Dr.P.Kalyana Sundharam)

*R. Radha Krishnan*  
PRINCIPAL  
(Dr.R.Radha Krishnan)

*R. Radha Krishnan*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



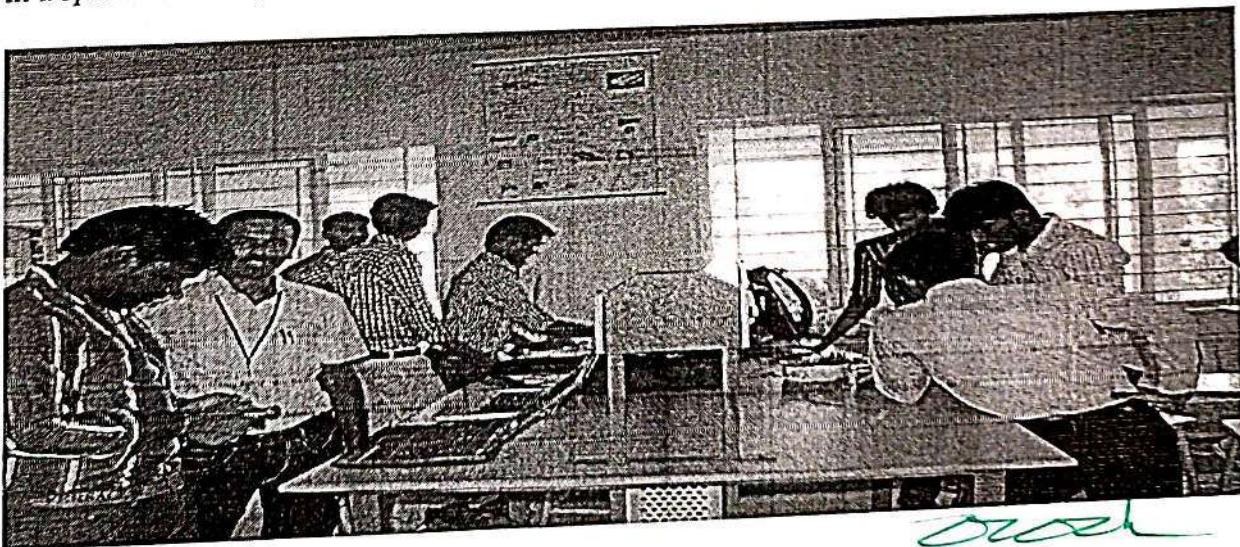
## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Report for Certificate course on Embedded System using Arduino

The department of ECE organized a Six days Certificate course on Embedded System using Arduino for 2<sup>nd</sup> year students of ECE successfully from 07.01.2019 to 12.01.2019. In this Certificate course, we will teach you the fundamentals of Embedded System using Arduino. An embedded system is an applied computer system that is built to control a range of functions. Because of rapidly evolving technology the meaning of embedded systems is a vastly fluctuating definition. Advancing technology causes decrease in the cost of manufacturing and allows implementation of various hardware and software components to embedded systems. Embedded system is dedicated to a specific task. Systems normally consists of inputs, outputs and a small processing unit. Most of the devices used in our everyday life are some kind of embedded systems. Devices like mobile phones, watches, and elevators are all embedded systems. Most of the embedded systems are reactive systems, which means that the information received by the system is constantly processed and the system acts based on the information. The information changes according the interaction system and the environment. The example of a reactive embedded system is the car-braking system. Car brakes need to react instantly to a user input. System needs to react in a split second to prevent collision.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUP-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMBEDDED PROGRAMMING(2018-2019)

NAME:

REGISTER NUMBER:

YEAR/SEM:

DATE:

MCQ'S(Answer All the Questions and Each question carries one mark. Totally 20 Marks)

1. Which of the following is a coprocessor of 80386?

- a) 80387
- b) 8087
- c) 8089
- d) 8088

2. Name the processor which helps in floating point calculations.

- a) microprocessor
- b) microcontroller
- c) coprocessor
- d) controller

3. Which is the coprocessor of 8086?

- a) 8087
- b) 8088
- c) 8086
- d) 8080

4. Which of the following is a coprocessor of Motorola 68000 family?

- a) 68001
- b) 68011
- c) 68881
- d) 68888

5. Which of the following processors can perform exponential, logarithmic and trigonometric

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI (T.N.), SALEM(DT). T.N.

functions?

- a) 8086
- b) 8087
- c) 8080
- d) 8088

6. How many stack register does an 8087 have?

- a) 4
- b) 8
- c) 16
- d) 32

7. Which of the following processor can handle infinity values?

- a) 8080
- b) 8086
- c) 8087
- d) 8088

8. Which coprocessor supports affine closure?

- a) 80187
- b) 80287
- c) 80387
- d) 8088

9. Which one is the floating point coprocessor of 80286?

- a) 8087
- b) 80187
- c) 80287
- d) 80387

10. How many pins does 8087 have?

- a) 40 pin DIP
- b) 20 pin DIP
- c) 40 pins
- d) 20 pins

11. What is the clock frequency of 8087?

- a) 10 MHz
- b) 5 MHz
- c) 6 MHz
- d) 4 MHz

12. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal
- d) gray

13. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16

14. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287
- c) 80387
- d) 80486DX

15. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

15. Which are the processors based on RISC?

- a) SPARC
- b) 80386
- c) MC68030



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

d) MC68020

16. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

17. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

18. Which is the first company who defined RISC architecture?

- a) Intel
- b) IBM
- c) Motorola
- d) MIPS

19. Which of the following processors execute its instruction in a single cycle?

- a) 8086
- b) 8088
- c) 8087
- d) MIPS R2000]

20. How is memory accessed in RISC architecture?

- a) load and store instruction
- b) opcode instruction
- c) memory instruction
- d) bus instruction



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Tiruchengode - Sankari Main Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

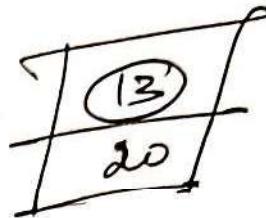
EMBEDDED PROGRAMMING(2018-2019)

NAME: Divya. P

REGISTER NUMBER: 723217106009

YEAR/SEM: II - ECE

DATE: 12/01/2019



MCQ'S(Answer All the Questions and Each question carries one mark. Totally 20 Marks)

1. Which of the following is a coprocessor of 80386?

a) 80387

b) 8087

c) 8089

d) 8088

2. Name the processor which helps in floating point calculations.

a) microprocessor

b) microcontroller

c) coprocessor

d) controller

3. Which is the coprocessor of 8086?

a) 8087

b) 8088

c) 8086

d) 8080

4. Which of the following is a coprocessor of Motorola 68000 family?

a) 68001

b) 68011

c) 68881

d) 68050

5. Which of the following processors can perform exponential, logarithmic and trigonometric

functions?

- a) 8086
- b) 8087
- c) 8080
- d) 8088

6. How many stack register does an 8087 have?

- a) 4
- b) 8
- c) 16
- d) 32

7. Which of the following processor can handle infinity values?

- a) 8080
- b) 8086
- c) 8087
- d) 8088

8. Which coprocessor supports affine closure?

- a) 80187
- b) 80287
- c) 80387
- d) 8088

9. Which one is the floating point coprocessor of 80286?

- a) 8087
- b) 80187
- c) 80287
- d) 80387

10. How many pins does 8087 have?

- a) 40 pin DIP
- b) 20 pin DIP
- c) 40 pins
- d) 20 pins

11. What is the clock frequency of 8087?

a) 10 MHz

b) 5 MHz

c) 6 MHz

d) 4 MHz

12. How are negative numbers stored in a coprocessor?

a) 1's complement

b) 2's complement

c) decimal

d) gray

(3)

13. How many bits are used for storing signed integers?

a) 2

b) 4

c) 8

d) 16

14. Which of the processor has an internal coprocessor?

a) 8087

b) 80287

c) 80387

d) 80486DX

15. What are the two major sections in a coprocessor?

a) control unit and numeric control unit

b) integer unit and control unit

c) floating point unit and coprocessor unit

d) coprocessor unit and numeric control unit

15. Which are the processors based on RISC?

a) SPARC

b) 80386

c) MC68030

d) MC68020

16. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

17. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

(3)

18. Which is the first company who defined RISC architecture?

- a) Intel
- b) IBM
- c) Motorola
- d) MIPS

19. Which of the following processors execute its instruction in a single cycle?

- a) 8086
- b) 8088
- c) 8087
- d) MIPS R2000

20. How is memory accessed in RISC architecture?

- a) load and store instruction
- b) opcode instruction
- c) memory instruction
- d) bus instruction



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Tiruchengode - Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (TK), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMBEDDED PROGRAMMING(2018-2019)

NAME: Yuvraj. S

REGISTER NUMBER: 732717106052

YEAR/SEM: II-ECE

DATE:

(16)  
20

MCQ'S(Answer All the Questions and Each question carries one mark. Totally 20 Marks)

1. Which of the following is a coprocessor of 80386?

a) 80387

b) 8087

c) 8089

d) 8088

2. Name the processor which helps in floating point calculations. (4)

a) microprocessor

b) microcontroller

c) coprocessor

d) controller

3. Which is the coprocessor of 8086?

a) 8087

b) 8088

c) 8086

d) 8080

4. Which of the following is a coprocessor of Motorola 68000 family?

a) 68001

b) 68011

c) 68881

d) 68000

5. Which of the following processors can perform exponential, logarithmic and trigonometric

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

functions?

- a) 8086
- b) 8087
- c) 8080
- d) 8088

6. How many stack register does an 8087 have?

- a) 4
- b) 8
- c) 16
- d) 32

7. Which of the following processor can handle infinity values?

- a) 8080
- b) 8086
- c) 8087
- d) 8088

8. Which coprocessor supports affine closure?

- a) 80187
- b) 80287
- c) 80387
- d) 8088

(4)

9. Which one is the floating point coprocessor of 80286?

- a) 8087
- b) 80187
- c) 80287
- d) 80387

10. How many pins does 8087 have?

- a) 40 pin DIP
- b) 20 pin DIP
- c) 40 pins
- d) 20 pins

*oosah*

11. What is the clock frequency of 8087?

a) 10 MHz

b) 5 MHz

c) 6 MHz

d) 4 MHz

12. How are negative numbers stored in a coprocessor?

a) 1's complement

b) 2's complement

c) decimal

d) gray

13. How many bits are used for storing signed integers?

a) 2

b) 4

c) 8

d) 16

14. Which of the processor has an internal coprocessor?

a) 8087

b) 80287

c) 80387

d) 80486DX

④

15. What are the two major sections in a coprocessor?

a) control unit and numeric control unit

b) integer unit and control unit

c) floating point unit and coprocessor unit

d) coprocessor unit and numeric control unit

③

15. Which are the processors based on RISC?

a) SPARC

b) 80386

c) MC68030

QUESTION BANK  
FOR COMPUTER SCIENCE & ENGINEERING  
DEPARTMENT  
SECOND SEMESTER  
YEAR 2008-2009  
MAY 2009

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM MGRUR-637304.  
SANKAGINN(IK).SALEM(DT).T.N.

✓✓✓✓✓

d) MC68020

16. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

17. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

18. Which is the first company who defined RISC architecture?

- a) Intel
- b) IBM
- c) Motorola
- d) MIPS

19. Which of the following processors execute its instruction in a single cycle?

- a) 8086
- b) 8088
- c) 8087
- d) MIPS R2000

20. How is memory accessed in RISC architecture?

- a) load and store instruction
- b) opcode instruction
- c) memory instruction
- d) bus instruction

④

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT). T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EMBEDDED PROGRAMMING(2018-2019)

NAME: *Aneciga. P*

REGISTER NUMBER: *732717106001*

YEAR/SEM: *II - ECE*

DATE:

18  
20

MCQ'S(Answer All the Questions and Each question carries one mark. Totally 20 Marks)

1. Which of the following is a coprocessor of 80386?

- a) 80387
- b) 8087
- c) 8089
- d) 8088

2. Name the processor which helps in floating point calculations.

(2)

- a) microprocessor
- b) microcontroller
- c) coprocessor
- d) controller

3. Which is the coprocessor of 8086?

- a) 8087
- b) 8088
- c) 8086
- d) 8080

4. Which of the following is a coprocessor of Motorola 68000 family?

- a) 68001
- b) 68011
- c) 68881
- d) 68 jk

5. Which of the following processors can perform exponential, logarithmic and trigonometric

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N

functions?

- a) 8086
- b) 8087
- c) 8080
- d) 8088

6. How many stack register does an 8087 have?

- a) 4
- b) 8
- c) 16
- d) 32

7. Which of the following processor can handle infinity values?

- a) 8080
- b) 8086
- c) 8087
- d) 8088

8. Which coprocessor supports affine closure?

- a) 80187
- b) 80287
- c) 80387
- d) 8088

9. Which one is the floating point coprocessor of 80286?

- a) 8087
- b) 80187
- c) 80287
- d) 80387

10. How many pins does 8087 have?

- a) 40 pin DIP
- b) 20 pin DIP
- c) 40 pins
- d) 20 pins

11. What is the clock frequency of 8087?

- a) 10 MHz
- b) 5 MHz
- c) 6 MHz
- d) 4 MHz

12. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal
- d) gray

13. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16

14. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287
- c) 80387
- d) 80486DX

15. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

15. Which are the processors based on RISC?

- a) SPARC
- b) 80386
- c) MC68030

(S)

d) MC68020

16. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

17. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

18. Which is the first company who defined RISC architecture?

- a) Intel
- b) IBM
- c) Motorola
- d) MIPS

19. Which of the following processors execute its instruction in a single cycle?

- a) 8086
- b) 8088
- c) 8087
- d) MIPS R2000]

20. How is memory accessed in RISC architecture?

- a) load and store instruction
- b) opcode instruction
- c) memory instruction
- d) bus instruction

*Oozash*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	Anusuya.
Branch	ECE
Topic of the event	EMBEDDED SYSTEM USING ARDUINO
Date	12.01.2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Enjoyed.

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	PRAKASH
Branch	ECE
Topic of the event	EMBEDDED SYSTEM USING ARDUINO
Date	12.01.2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Nil

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MGRUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	Malini
Branch	ECE
Topic of the event	EMBEDDED SYSTEM USING ARDUINO
Date	12.01.2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	<u>3</u>	2	1
2. The speaker was a good communicator	5	<u>4</u>	3	2	1
3. The material was presented in an organized manner	5	4	3	<u>2</u>	1
4. The information presented was relevant to your needs	<u>5</u>	4	3	2	1
5. I would be interested in attending a follow-up	<u>5</u>	4	3	2	1
6. Sufficient opportunity was provided for questions	<u>5</u>	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?	Good				

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MCRUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

**Department of Electronics and Communication Engineering**

**FEEDBACK FORM  
For Certificate Course**

Name of the Participant	<i>Sunelhar</i>
Branch	ECE
Topic of the event	EMBEDDED SYSTEM USING ARDUINO
Date	12.01.2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

*Enjoyed the Session*

Thank you!

Please return this form to the organizer at the end of the event.

*[Signature]*  
**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	Vasuki
Branch	ECE
Topic of the event	EMBEDDED SYSTEM USING ARDUINO
Date	12.01.2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Nice Session

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.

From

Dr.Kumar T Raja Mani,  
Adjunct Faculty,  
Department of Electronics and Communication Engineering,  
Sri Shanmuga College of Engineering and Technology,  
Pullipalayam,  
Sankari.

To

The Head of the Department,  
Sri Shanmuga College of Engineering and Technology,  
Pullipalayam,  
Sankari.

Respected Sir/Madam,

**Sub: Permission for conducting Certificate courses – Reg.**

We are planning to conduct Certificate Course on Embedded C Programming for III B.E Electronics and Communication Engineering as an additional knowledge and career development between 07.01.2019 to 12.01.2019. In this regard, we kindly request you to provide us permission and allow us to conduct the classes in the Department of Electronics and Communication Engineering on the proposed date.

**Venue: Embedded System Laboratory-Main Building**

Thanking you,

Place:Sankari

Date:27.12.2018

Approved by  


Sincerely,  
  
(Dr.Kumar T Raja Mani,AP/ECE)

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**Sri Shanmuga College of Engineering and Technology**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

C.NO:SSCET/ECE/COURSES/06/2018-19

Date: 28.12.2018

**CIRCULAR**

This is to inform all the students of Electronics and Communication Engineering Department Dr.Kumar T raja Mani (Adjunct Faculty) has planned to conduct Certificate Course on Embedded C Programming for Third year students. Interested candidates are requested to register their names to their respective class advisors on or before 01.01.2019



HOD/ECE

Copy to:

1. Circulate to ECE Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office



**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637 304.**  
**SANKAGIRI(TK). SALEM(DT). T.N.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Participants for Embedded C Programming Class — III ECE

Course Duration: 48 Hours

S.No	REGISTER NUMBER	STUDENT NAME
1.	732716106001	Arunkumar.S
2.	732716106002	Banupriya.V
3.	732716106003	Dhanalakshmi.M
4.	732716106004	Dhinakar.C
5.	732716106005	Gokulakrishnan.J
6.	732716106006	Gomathi.T
7.	732716106007	Haripriya.S
8.	732716106008	Indira.S
9.	732716106009	Karthikeyan.S
10.	732716106010	Kavinkumar.D
11.	732716106012	Kirankumar.G
12.	732716106013	Manu.D
13.	732716106014	Manu.K
14.	732716106015	Mohanapriya.R
15.	732716106016	Monisha.M
16.	732716106017	Mythili.K
17.	732716106018	Nandhakumar.S
18.	732716106020	Nandhini.S
19.	732716106021	Narmatha.T
20.	732716106022	Naveen.S
21.	732716106023	Naveena Devi.R
22.	732716106024	Nishanth.G
23.	732716106025	Nivedha.K
24.	732716106026	Oviya M
25.	732716106027	Pavithra.A
26.	732716106029	Praba.S
27.	732716106030	Prakashraj.A
28.	732716106031	Prasanth.S
29.	732716106033	Pravin.M
30.	732716106034	Priyanka V

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)  
Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Attendance for Embedded C Programming Class — III ECE**

S.No	REGISTER NUMBER	STUDENT NAME	07.01.2019	08.01.2019	09.01.2019	10.01.2019	11.01.2019	12.01.2019
1.	732716106001	Arunkumar.S	Present	Present	Present	Present	Present	Present
2.	732716106002	Banupriya.V	Present	Present	Present	Present	Present	Present
3.	732716106003	Dhanalakshmi.M	Present	Present	Present	Present	Present	Present
4.	732716106004	Dhinakar.C	Present	Present	Present	Present	Present	Present
5.	732716106005	Gokulakrishnan.J	Present	Present	Present	Present	Present	Present
6.	732716106006	Gomathi.T	Present	Present	Present	Present	Present	Present
7.	732716106007	Haripriya.S	A	A	A	A	A	A
8.	732716106008	Indira.S	Present	Present	Present	Present	Present	Present
9.	732716106009	Karthikeyan.S	A	A	A	A	A	A
10.	732716106010	Kavinkumar.D	Present	Present	Present	Present	Present	Present
11.	732716106012	Kirankumar.G	Present	Present	Present	Present	Present	Present
12.	732716106013	Manu.D	Present	Present	Present	Present	Present	Present
13.	732716106014	Manu.K	Present	Present	Present	Present	Present	Present
14.	732716106015	Mohanapriya.R	A	A	A	A	A	A
15.	732716106016	Monisha.M	Present	Present	Present	Present	Present	Present
16.	732716106017	Mythili.K	Present	Present	Present	Present	Present	Present
17.	732716106018	Nandhakumar.S	Present	Present	Present	Present	Present	Present
18.	732716106020	Nandhini.S	Present	Present	Present	Present	Present	Present
19.	732716106021	Narmatha.T	Present	Present	Present	Present	Present	Present
20.	732716106022	Naveen.S	Present	Present	Present	Present	Present	Present
21.	732716106023	Naveena Devi.R	Present	Present	Present	Present	Present	Present
22.	732716106024	Nishanth.G	Present	Present	Present	Present	Present	Present
23.	732716106025	Nivedha.K	Present	Present	Present	Present	Present	Present
24.	732716106026	Oviya M	Present	Present	Present	Present	Present	Present
25.	732716106027	Pavithra.A	Present	Present	Present	Present	Present	Present
26.	732716106029	Praba.S	Present	Present	Present	Present	Present	Present
27.	732716106030	Prakashraj.A	Present	Present	Present	Present	Present	Present
28.	732716106031	Prasanth.S	Present	Present	Present	Present	Present	Present
29.	732716106033	Pravin.M	Present	Present	Present	Present	Present	Present
30.	732716106034	Priyanka V	Present	Present	Present	Present	Present	Present



PRINCIPAL,  
**SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(MD).T.N.**

31.	732716106035	Ramapriyadharshini.L	L.Ram	L.Rao	L.Rathinam	L.Rao	L.Rao
32.	732716106037	Saravanan.K	Sur	Sur	Sur	Sur	Sur
33.	732716106038	Sasikannan.P	P.Sasi	P.Sasi	P.Sasi	P.Sasi	P.Sasi
34.	732716106039	Shalini.R	R.Sit	R.Sit	R.Sit	R.Sit	R.Sit
35.	732716106043	Sowmiya.K	Soy	Soy	A	Soy	Soy
36.	732716106044	Sripriya.G	G.GP	G.GP	G.GP	G.GP	G.GP
37.	732716106045	Sridhya.B	Sridhy	A	Sridhy	Sridhy	Sridhy
38.	732716106047	Thamu.S	S.Thamu	S.Thamu	S.Thamu	S.Thamu	S.Thamu

  
COURSE IN-CHARGE  
(Dr.Kumar T Raja Mani,AP/ECE)

  
HOD/ECE  
(Dr.P.Kalyana Sundharam)

  
PRINCIPAL  
(Dr.R.Radha Krishnan)

  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (TK), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Embedded C Programming Question Paper**

**PART-A**

**10 x 2=20**

1. Which of the following are header files?
  - a) #include
  - b) file
  - c) struct()
  - d) proc()
2. Which design activity helps in transformation of the floating point arithmetic to a fixed point arithmetic?
  - a) high-level transformation
  - b) scheduling
  - c) compilation
  - d) task-level concurrency management
3. Which of the following is a coprocessor of 80386?
  - a) 80387
  - b) 8087
  - c) 8089
  - d) 8088
4. Name the processor which helps in floating point calculations.
  - a) microprocessor
  - b) microcontroller
  - c) coprocessor
  - d) controller
5. Which is the coprocessor of 8086?
  - a) 8087
  - b) 8088
  - c) 8086
  - d) 8080
6. Which of the following is a coprocessor of Motorola 68000 family?
  - a) 68001
  - b) 68011

*[Signature]*

**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-637304,**  
**SANKAGIRI(TK).SALEM(DT).T.N.**

- c) 68881
7. Which of the following processors can perform exponential, logarithmic and trigonometric functions?
- 8086
  - 8087
  - 8080
  - 8088
8. How many stack register does an 8087 have?
- 4
  - 8
  - 16
  - 32
9. Which of the following processor can handle infinity values?
- 8080
  - 8086
  - 8087
  - 8088
10. Which coprocessor supports affine closure?
- 80187
  - 80287
  - 80387
  - 8088
11. Which one is the floating point coprocessor of 80286?
- 8087
  - 80187
  - 80287
  - 80387
12. How many pins does 8087 have?
- 40 pin DIP
  - 20 pin DIP
  - 40 pins
  - 20 pins
13. What is the clock frequency of 8087?
- 10 MHz
  - 5 MHz
  - 6 MHz
  - 4 MHz

14. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal
- d) gray

15. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16

16. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287
- c) 80387
- d) 80486DX

17. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

18. Which are the processors based on RISC?

- a) SPARC
- b) 80386
- c) MC68030
- d) MC68020

19. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

20. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

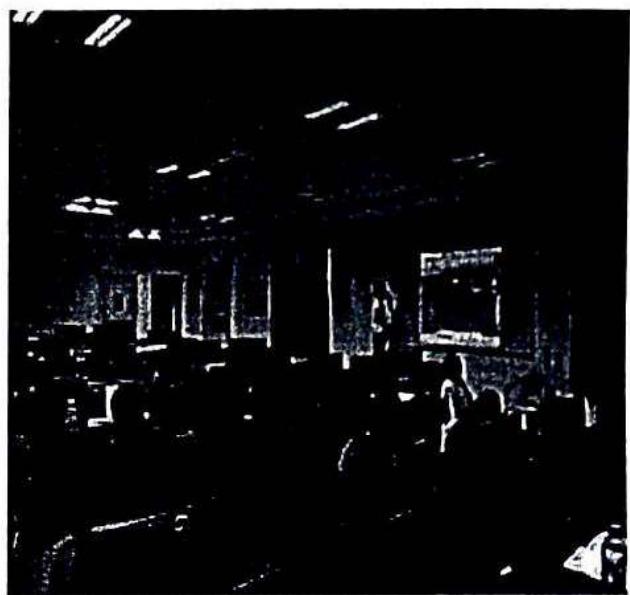
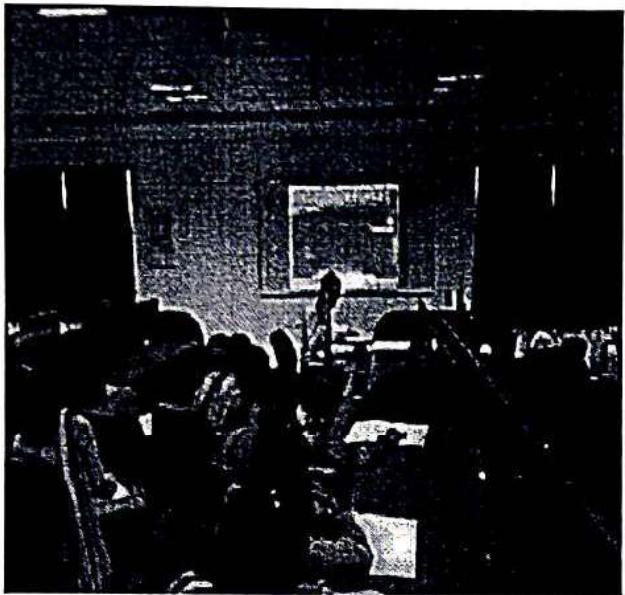
Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Report for Certificate course on Embedded C Programming

The Department of Electronics and Communication Engineering organized a Six days Certificate course on Embedded C Programming for 3<sup>rd</sup> year students of ECE successfully from 07.01.2019 to 12.01.2019. This course provides a complete intermediate-level discussion of microcontroller programming using the C programming language. It covers both the adaptations to C necessary for targeting an embedded environment, and the common components of a successful development project. C is the language of choice for programming larger microcontrollers (MCU), those based on 32-bit cores. These parts are often derived from their general-purpose counterparts, and are both as complex and feature-rich. As a result, C (and C++) compilers are necessary and readily available for these MCUs. In contrast, designers who have chosen to use 8-bit controllers have usually resorted to hand-coding in assembly language. While manual assembly programming for precise control will never go out of style, neither will the push to reduce costs. There are advantages in compiling high-level C language to even the limited resources of an 8-bit MCU. Automatic generation of code for repetitive coding tasks, such as arithmetic for 16-bit or longer data types. Intuitive treatment of hardware peculiarities. Reading from or writing to a serial flash memory device can be represented in C as a simple assignment statement, although the store operation requires some coding. Platform-independence. The same cross-platform capabilities that C brings to desktop computing are available for the range of 8-bit microcontrollers on the market today. This text shows you how to use C to program an 8-bit embedded MCU. We hope you are familiar with C, but require in-depth information about microcontroller programming. The main example project in this text is a computer-controlled thermostat. From an initial specification, we progressively refine and augment the device in the same manner as any other consumer or control product.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK). SALEM(DT), T.N.

V. Banupriya  
732716106002



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Embedded C Programming Question Paper**

**PART-A**

10 x 2=20

1. Which of the following are header files?  
a) #include ✓  
b) file  
c) struct()  
d) proc()
2. Which design activity helps in transformation of the floating point arithmetic to a fixed point arithmetic?  
a) high-level transformation ✓  
b) scheduling  
c) compilation  
d) task-level concurrency management
3. Which of the following is a coprocessor of 80386?  
a) 80387 ✓  
b) 8087  
c) 8089  
d) 8088
4. Name the processor which helps in floating point calculations.  
a) microprocessor  
b) microcontroller  
c) coprocessor ✓  
d) controller
5. Which is the coprocessor of 8086?  
a) 8087  
b) 8088 ✓  
c) 8086  
d) 8080
6. Which of the following is a coprocessor of Motorola 68000 family?  
a) 68001 ✓  
b) 68011

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-637304**

c) 68881

7. Which of the following processors can perform exponential, logarithmic and trigonometric functions?

- a) 8086
- b) 8087 ✓
- c) 8080
- d) 8088

8. How many stack register does an 8087 have?

- a) 4
- b) 8 ✓
- c) 16
- d) 32

9. Which of the following processor can handle infinity values?

- a) 8080
- b) 8086
- c) 8087 ✓
- d) 8088

10. Which coprocessor supports affine closure?

- a) 80187
- b) 80287
- c) 80387 ✓
- d) 8088

11. Which one is the floating point coprocessor of 80286?

- a) 8087
- b) 80187
- c) 80287 ✓
- d) 80387

12. How many pins does 8087 have?

- a) 40 pin DIP ✓
- b) 20 pin DIP
- c) 40 pins
- d) 20 pins

13. What is the clock frequency of 8087?

- a) 10 MHz
- b) 5 MHz ✓
- c) 6 MHz
- d) 4 MHz

14. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal ✓
- d) gray

15. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16 ✓

16. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287 ✓
- c) 80387
- d) 80486DX

17. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit ✓
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

18. Which are the processors based on RISC?

- a) SPARC ✓
- b) 80386
- c) MC68030
- d) MC68020

19. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed ✓
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

20. Which of the architecture is more complex?

- a) SPARC
- b) MC68030 ✓
- c) MC68030
- d) 8086

Manu.K

IV-ECE



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Embedded C Programming Question Paper

PART-A

10 x 2=20

(6/20)

1. Which of the following are header files?
  - a) #include
  - b) file
  - c) struct()
  - d) proc()
2. Which design activity helps in transformation of the floating point arithmetic to a fixed point arithmetic?
  - a) high-level transformation
  - b) scheduling
  - c) compilation
  - d) task-level concurrency management
3. Which of the following is a coprocessor of 80386?
  - a) 80387
  - b) 8087
  - c) 8089
  - d) 8088
4. Name the processor which helps in floating point calculations.
  - a) microprocessor
  - b) microcontroller
  - c) coprocessor
  - d) controller
5. Which is the coprocessor of 8086?
  - a) 8087
  - b) 8088
  - c) 8086
  - d) 8080
6. Which of the following is a coprocessor of Motorola 68000 family?
  - a) 68001
  - b) 68011

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

c) 68881

7. Which of the following processors can perform exponential, logarithmic and trigonometric functions?
- a) 8086
  - b) 8087
  - c) 8080
  - d) 8088
8. How many stack register does an 8087 have?
- a) 4
  - b) 8
  - c) 16
  - d) 32
9. Which of the following processor can handle infinity values?
- a) 8080
  - b) 8086
  - c) 8087
  - d) 8088
10. Which coprocessor supports affine closure?
- a) 80187
  - b) 80287
  - c) 80387
  - d) 8088
11. Which one is the floating point coprocessor of 80286?
- a) 8087
  - b) 80187
  - c) 80287
  - d) 80387
12. How many pins does 8087 have?
- a) 40 pin DIP
  - b) 20 pin DIP
  - c) 40 pins
  - d) 20 pins
13. What is the clock frequency of 8087?
- a) 10 MHz
  - b) 5 MHz
  - c) 6 MHz
  - d) 4 MHz

14. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal
- d) gray

15. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16

16. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287
- c) 80387
- d) 80486DX

17. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

18. Which are the processors based on RISC?

- a) SPARC
- b) 80386
- c) MC68030
- d) MC68020

19. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

20. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



732716106031  
M. PRAVIN  
**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)  
*Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (TK), Salem 637304.*

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Embedded C Programming Question Paper**

**PART-A**

10 x 2=20

15/20

1. Which of the following are header files?  
a) #include  
 b) file  
c) struct()  
d) proc()
  
2. Which design activity helps in transformation of the floating point arithmetic to a fixed point arithmetic?  
 a) high-level transformation  
b) scheduling  
c) compilation  
d) task-level concurrency management
  
3. Which of the following is a coprocessor of 80386?  
 a) 80387  
b) 8087  
c) 8089  
d) 8088
  
4. Name the processor which helps in floating point calculations.  
a) microprocessor  
 b) microcontroller  
 c) coprocessor  
d) controller
  
5. Which is the coprocessor of 8086?  
 a) 8087  
b) 8088  
c) 8086  
d) 8080
  
6. Which of the following is a coprocessor of Motorola 68000 family?  
 a) 68001  
 b) 68011

*[Signature]*  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637304.**  
**SANKAGIRI(TK). SALEM(DT). T.N.**

- c) 68881
7. Which of the following processors can perform exponential, logarithmic and trigonometric functions?
- a) 8086
  - b) 8087
  - c) 8080
  - d) 8088
8. How many stack register does an 8087 have?
- a) 4
  - b) 8
  - c) 16
  - d) 32
9. Which of the following processor can handle infinity values?
- a) 8080
  - b) 8086
  - c) 8087
  - d) 8088
10. Which coprocessor supports affine closure?
- a) 80187
  - b) 80287
  - c) 80387
  - d) 8088
11. Which one is the floating point coprocessor of 80286?
- a) 8087
  - b) 80187
  - c) 80287
  - d) 80387
12. How many pins does 8087 have?
- a) 40 pin DIP
  - b) 20 pin DIP
  - c) 40 pins
  - d) 20 pins
13. What is the clock frequency of 8087?
- a) 10 MHz
  - b) 5 MHz
  - c) 6 MHz
  - d) 4 MHz

14. How are negative numbers stored in a coprocessor?

- a) 1's complement
- b) 2's complement
- c) decimal
- d) gray

15. How many bits are used for storing signed integers?

- a) 2
- b) 4
- c) 8
- d) 16

16. Which of the processor has an internal coprocessor?

- a) 8087
- b) 80287
- c) 80387
- d) 80486DX

17. What are the two major sections in a coprocessor?

- a) control unit and numeric control unit
- b) integer unit and control unit
- c) floating point unit and coprocessor unit
- d) coprocessor unit and numeric control unit

18. Which are the processors based on RISC?

- a) SPARC
- b) 80386
- c) MC68030
- d) MC68020

19. What is 80/20 rule?

- a) 80% instruction is generated and 20% instruction is executed
- b) 80% instruction is executed and 20% instruction is generated
- c) 80% instruction is executed and 20% instruction is not executed
- d) 80% instruction is generated and 20% instructions are not generated

20. Which of the architecture is more complex?

- a) SPARC
- b) MC68030
- c) MC68030
- d) 8086

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORIJUP  
SANKAGIRI(TK). SALE...



## Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	P. NAGARAJAN
Branch	ECE
Topic of the event	EMBEDDED C PROGRAMMING
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	✓	4	3	2	1
2. The speaker was a good communicator	5	✓	3	2	1
3. The material was presented in an organized manner	5	✓	3	2	1
4. The information presented was relevant to your needs	5	4	✓	2	1
5. I would be interested in attending a follow-up	5	4	✓	2	1
6. Sufficient opportunity was provided for questions	✓	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TL), SALEM(DT), T.N.



# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

## Department of Electronics and Communication Engineering

### FEEDBACK FORM For Certificate Course

Name of the Participant	Narmatha.T
Branch	ECE
Topic of the event	EMBEDDED C PROGRAMMING
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Good

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)  
**Department of Electronics and Communication Engineering**

**FEEDBACK FORM  
For Certificate Course**

Name of the Participant	Prashant Raj
Branch	ECE
Topic of the event	EMBEDDED C PROGRAMMING
Date	12/01/2019

Please respond by encircling the appropriate option:

- |  | Excellent | Very Good | Good | Fair | Poor |
|--|-----------|-----------|------|------|------|
| 1. The program was well paced within the allotted time   | 5         | 4         | 3    | 2    | 1    |
| 2. The speaker was a good communicator   | 5         | 4         | 3    | 2    | 1    |
| 3. The material was presented in an organized manner   | 5         | 4         | 3    | 2    | 1    |
| 4. The information presented was relevant to your needs  | 5         | 4         | 3    | 2    | 1    |
| 5. I would be interested in attending a follow-up  | 5         | 4         | 3    | 2    | 1    |
| 6. Sufficient opportunity was provided for questions   | 5         | 4         | 3    | 2    | 1    |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? | 5         | 4         | 3    | 2    | 1    |

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK). SALEM(DT). T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

**Department of Electronics and Communication Engineering**

**FEEDBACK FORM  
For Certificate Course**

Name of the Participant	Prashraj
Branch	ECE
Topic of the event	EMBEDDED C PROGRAMMING
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

## Department of Electronics and Communication Engineering

### FEEDBACK FORM For Certificate Course

Name of the Participant	Oriya
Branch	ECE
Topic of the event	EMBEDDED C PROGRAMMING
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	(5)	4	3	2	1
2. The speaker was a good communicator	(3)	4	3	2	1
3. The material was presented in an organized manner	(5)	4	3	2	1
4. The information presented was relevant to your needs	5	4	(3)	2	1
5. I would be interested in attending a follow-up	5	4	(3)	2	1
6. Sufficient opportunity was provided for questions	(5)	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?	Nice				

Thank you!

Please return this form to the organizer at the end of the event.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

From

B.Maruthi Sankar,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Sri Shanmugha College of Engineering and Technology,  
Pullipalayam,  
Sankari.

To

The Head of the Department,  
Sri Shanmugha College of Engineering and Technology,  
Pullipalayam,  
Sankari.

Respected Sir/Madam,

**Sub:Permission for conducting Certificate courses – Reg.**

We are planning to conduct Certificate Course on MATLAB for IV B.E Electronics and Communication Engineering as an additional knowledge and career development between 07.01.2019 to 12.01.2019. In this regard, we kindly request you to provide us permission and allow us to conduct the classes in the Department of Electronics and Communication Engineering on the proposed date.

**Venue: DSP Laboratory-Main Building**

Thanking you,

Place:Sankari

Date:31.12.2018

Sincerely,

  
(B.Maruthi Sankar,AP/ECE)

Approved by  


  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**Sri Shanmuga College of Engineering and Technology**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

C.NO:SSCET/ECE/COURSES/08/2018-19

Date: 31.12.2018

**CIRCULAR**

This is to inform all the students of Electronics and Communication Engineering Department that Mr.S.Maruthi Sankar,AP/ECE has planned to conduct Certificate Course on MATLAB for Final year ECE students. Interested candidates are requested to register their names to their respective class advisors on or before 03.01.2019



HOD/ECE

**Copy to:**

1. Circulate to ECE Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode - Sankari Main Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Participants for MATLAB

Course Duration: 48 Hours

S.No	REGISTER NUMBER	STUDENT NAME
1.	732715106001	Bharathi T
2.	732715106002	Gomathi S
3.	732715106003	Kaarthikeyan T S
4.	732715106004	Kavinkumar P
5.	732715106005	Keerthana R
6.	732715106006	Mannykumar
7.	732715106007	Monisha P
8.	732715106008	Ranjitha R
9.	732715106009	Ranjithkumar R
10.	732715106011	Sathyamoorthi P
11.	732715106012	Sharmila C
12.	732715106013	Umarkhan J
13.	732715106014	Vimaladevi Y
14.	732715106015	Vivetha N
15.	732715106301	Muruganandam K
16.	732715106501	Saravanan.S
17.	732715106701	Janani priya S
18.	732715106702	Sowmya S
19.	732715106703	Kasthuri Kanaga T
20.	732715106704	Soundharya.M
21.	732715106705	Nandhini C
22.	732715106706	Devendiran L
23.	732715106707	Ashok S
24.	732715106708	Gowsalya V
25.	732715106709	Saranya D
26.	732715106710	Ranjitha K
27.	732715106712	Vignesh M
28.	732715106713	Baby A
29.	732715106714	Angelin.C

COURSE IN-CHARGE  
(B.Maruthi Sankar,AP/ECE)

HOD/ECE  
(Dr.P.Kalyana Sundharam)

PRINCIPAL  
(Dr.R.Radha Krishnan)

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode - Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Attendance for Embedded System using Arduino Class — IV ECE

MATLAB

S.NO	REGISTER NUMBER	STUDENT NAME	07.01.2019	08.01.2019	09.01.2019	10.01.2019	11.01.2019	12.01.2019
1.	732715106001	Bharathi T	Bhru	Bhru	Bhru	Bhru	Bhru	Bhru
2.	732715106002	Gomathi S	Gomathi	Gomathi	Gomathi	Gomathi	Gomathi	Gomathi
3.	732715106003	Kaarthikyan TS	TS	TS	TS	TS	TS	TS
4.	732715106004	Kavinkumar P	kad	kad	kad	kad	kad	kad
5.	732715106005	Keerthana R	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana
6.	732715106006	Mannykumar	manny	manny	manny	manny	manny	manny
7.	732715106007	Monisha P	Monisha	Monisha	Monisha	Monisha	Monisha	Monisha
8.	732715106008	Ranjitha R	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha
9.	732715106009	Ranjithkumar R	Ranjithkumar	Ranjithkumar	Ranjithkumar	Ranjithkumar	Ranjithkumar	Ranjithkumar
10.	732715106011	Sathyamoorthi P	Sathyamoorthi	Sathyamoorthi	Sathyamoorthi	Sathyamoorthi	Sathyamoorthi	Sathyamoorthi
11.	732715106012	Sharmila C	Sharmila	Sharmila	Sharmila	Sharmila	Sharmila	Sharmila
12.	732715106013	Umarkhan J	Umarkhan	Umarkhan	Umarkhan	Umarkhan	Umarkhan	Umarkhan
13.	732715106014	Vimaladevi Y	Vimaladevi	Vimaladevi	Vimaladevi	Vimaladevi	Vimaladevi	Vimaladevi
14.	732715106015	Vivetha N	Vivetha	Vivetha	Vivetha	Vivetha	Vivetha	Vivetha
15.	732715106301	Muruganandam K	Muruganandam	Muruganandam	Muruganandam	Muruganandam	Muruganandam	Muruganandam
16.	732715106501	Saravanan.S	Saravanan	Saravanan	Saravanan	Saravanan	Saravanan	Saravanan
17.	732715106701	Janani priya S	Janani priya					
18.	732715106702	Sowmya S	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya	Sowmya
19.	732715106703	Kasthuri Kanaga T	Kasthuri Kanaga					
20.	732715106704	Soundharya.M	Soundharya	Soundharya	Soundharya	Soundharya	Soundharya	Soundharya
21.	732715106705	Nandhini C	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini	Nandhini
22.	732715106706	Devendiran L	Devendiran	Devendiran	Devendiran	Devendiran	Devendiran	Devendiran
23.	732715106707	Ashok S	Ashok	Ashok	Ashok	Ashok	Ashok	Ashok
24.	732715106708	Gowsalya V	Gowsalya	Gowsalya	Gowsalya	Gowsalya	Gowsalya	Gowsalya
25.	732715106709	Saranya D	Saranya	Saranya	Saranya	Saranya	Saranya	Saranya
26.	732715106710	Ranjitha K	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha	Ranjitha
27.	732715106712	Vignesh M	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
28.	732715106713	Baby A	Baby	Baby	Baby	Baby	Baby	Baby
29.	732715106714	Angelin.C	Angelin	Angelin	Angelin	Angelin	Angelin	Angelin

COURSE IN-CHARGE  
(B.Maruthi Sankar,AP/ECE)

HOD/ECE  
(Dr.P.Kalyana Sundharam)

PRINCIPAL  
(Dr.R.Radha Krishnan)

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Report for Certificate course on MATLAB

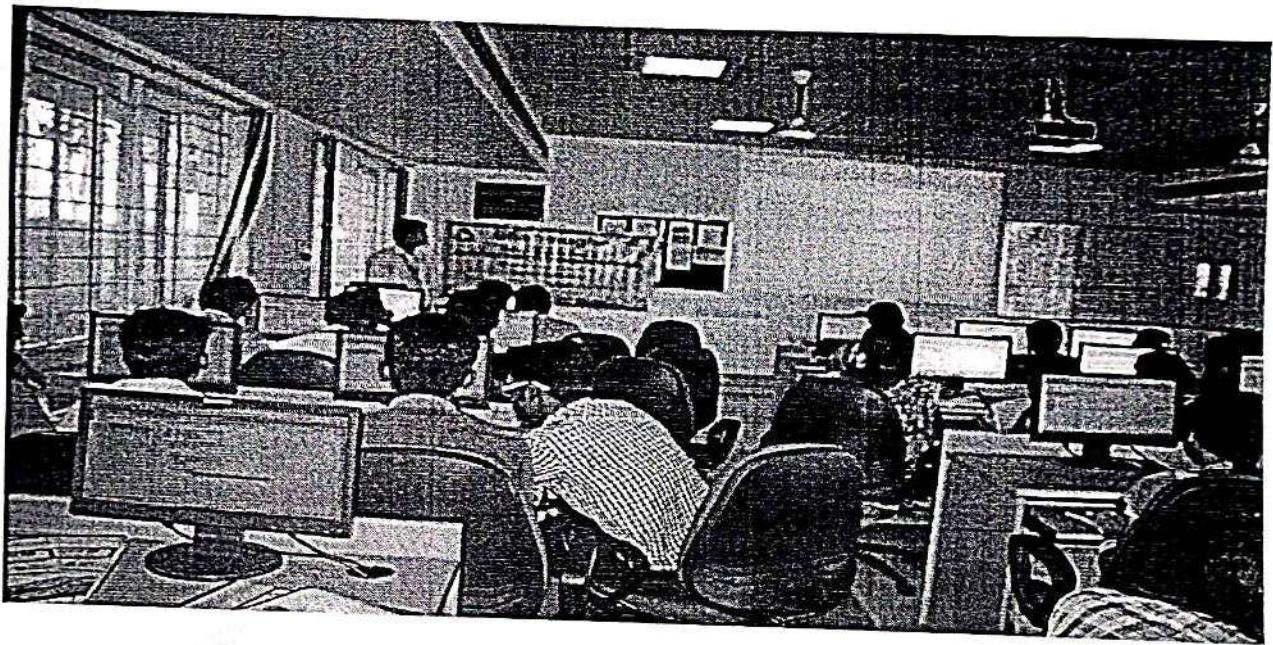
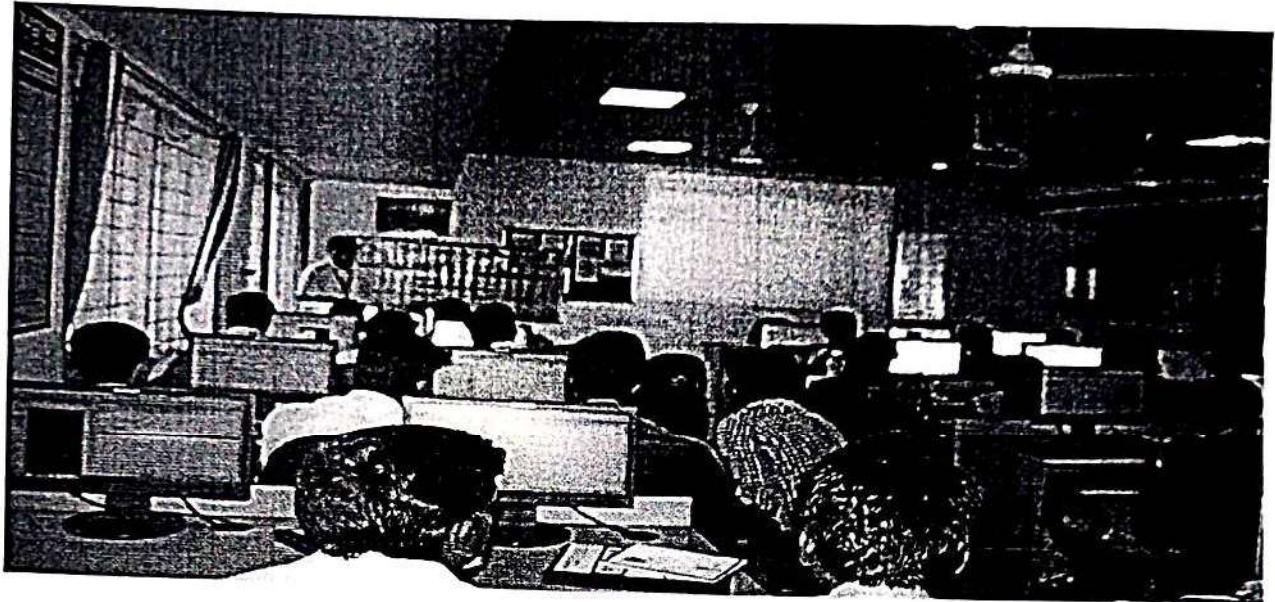
The Department of Electronics and Communication Engineering organized a Six days Certificate course on MATLAB for Final year students of ECE successfully from 07.01.2019 to 12.01.2019. MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include:

- Math and computation
- Algorithm development
- Modeling, simulation, and prototyping
- Data analysis, exploration, and visualization
- Scientific and engineering graphics
- Application development, including Graphical User Interface building

MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. This allows you to solve many technical computing problems, especially those with matrix and vector formulations, in a fraction of the time it would take to write a program in a scalar non interactive language such as C or FORTRAN. The name MATLAB stands for matrix laboratory. MATLAB was originally written to provide easy access to matrix software developed by the LINPACK and EISPACK projects, which together represent the state-of-the-art in software for matrix computation.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (TK), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**MATLAB(2018-2019)**

**NAME:**

**REGISTER NUMBER:**

**YEAR/SEM:**

**DATE:**

**MCQ'S(Answer All the Questions)**

1. If the formula appearing in cell C6 was copied to cell D8 what value would then appear in the cell D8?
  - a) 6
  - b) 23
  - c) 135
  - d) 87
  - e) 75
2. If the formula appearing in D2 was copied to cell D3, what would the value be?
  - a) 10
  - b) 2
  - c) 5
  - d) 7
  - e) 1
3. Which one of the following is an advantage of an Excel array formula?
  - a) It ensures all formulas in the range are identical
  - b) A group of data can be given a convenient name
  - c) You can easily overwrite the cell formulas
  - d) They are quick to type
  - e) None of the above
4. A student does an experiment to measure the change in a pendulum's oscillation period with the length of the pendulum. What is the most appropriate excel chart type to display this data?
  - a) Line
  - b) Scatter
  - c) Column
  - d) Donut
  - e) Surface
5. Which one of the following is a legitimate variable names In MATLAB?
  - a) 4var
  - b) tax-rate
  - c) exam1.1
  - d) \_input
  - e) sin

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**FULLIPALAYAM, MORUR-637304,**  
**SANKAGIRI(TK).SALEM(DT).T.N.**

6. Which of the following MATLAB calculations would result the value 1?
- $1+4/5$
  - $6/2*3$
  - $3^2/3*3$
  - $1+2+3/1+2+3$
  - None of the above
7. Which of the following MATLAB expression gives
- $\cos(180)$
  - $\cosd(\pi)$
  - $\sin(3*\pi/2)$
  - $\sin(-\pi/2)$
  - None of the above
8. The volume of a cylinder is  $v=\pi r^2 h$ . Define  $r$  as 3 and  $h$  as the row column  $h = [1, 5, 12]$ . Which of the following MATLAB expression is correct for solving the volumes of cylinders with the above  $h$  values.
- $r=3; h=[1,5,12]; V=\pi r^2 h$
  - $r=3; V=\pi *r^2 *h[1,5,12]$
  - $r=3; V=\pi *r^2 *h(1,5,12)$
  - $r=3; h=[1,5,12]; V=\pi *r^2 *h$
  - Both c and d
9. Which of the following expressions generates an evenly spaced vector  $X$  containing 15 values between 4 and 20.
- $x=linspace(4,15,20)$
  - $x=linspace(15,4,20)$
  - $x=linspace(4,20,15)$
  - $x=4:15:20$
  - $x=4:20:15$
10. Which of the following determines the number of elements  $N$  of the matrix  $B$ ?
- $N = \text{size}(B)$
  - $N = \text{elem}(B)$
  - $N = \text{prod}(\text{size}(B))$
  - $N = \text{numel}(B)$
  - Both c and d
11. The difference between a function and a script is:
- only a function file can be run from the command line
  - only a function requires inputs
  - only a script file can perform a series of commands
  - functions cannot save variable values
  - function variable names only have meaning within the function, whereas script variables are available to other programs

12. Examine the following MATLAB code. What is the value of B at the end of the program:

```
A=2;  
for ii=0:2:4  
A=[A, A*ii];  
end B=A
```

- a) B=2,0,0,0
- b) B=2 2 0 2 0 0 2 0 0 0
- c) B= 2 0 4 0 8 0 16 0
- d) B= 2 2 4 8
- e) None of the above

The file weights.xls contains the weights of 400 people, in kilograms. With respect to this file, using Excel or Matlab, answer questions

13. What is the average weight of the 400 people (to 1 decimal place)?(2 marks)

- a)58.2
- b)58.7
- c)25.6
- d)25.8

14. Grouping people into 5 kg weight ranges from 30 to 100 (30-34.99, 35-39.99, 40-44.99, and so on), how many people are in the group 40-44.99 (3 marks)?

- a)77
- b)69
- c)78
- d)80

15. The Fibonacci sequence is the sequence 1,1,2,3,5,8,13, ... where every next term is the sum of the two previous terms. Write a function or a script to determine the Fibonacci sequence. What is the ratio of the 21st and 20th terms to 4 decimal places? Note, as a test, 13/8 (or 1.6250) is the ratio of the 7th and 6th terms. (3 marks)

- a)1.6180
- b)1.78
- c)2.54
- d)3.254



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)  
Tiruchengode – Sankarl Mani Rd, Pullipalayam, Morur (PO), Sankarl (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MATLAB(2018-2019)

NAME: Viveetha .N.

REGISTER NUMBER: 6015

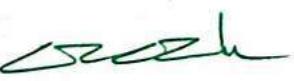
YEAR/SEM: IV - ECE

DATE:

10  
15

MCQ'S(Answer All the Questions)

1. If the formula appearing in cell C6 was copied to cell D8 what value would then appear in the cell D8?  
 a) 6  
 b) 23  
 c) 135  
 d) 87  
 e) 75
2. If the formula appearing in D2 was copied to cell D3, what would the value be?  
 a) 10  
 b) 2  
 c) 5  
 d) 7  
 e) 1
3. Which one of the following is an advantage of an Excel array formula?  
 a) It ensures all formulas in the range are identical  
 b) A group of data can be given a convenient name  
 c) You can easily overwrite the cell formulas  
 d) They are quick to type  
 e) None of the above
4. A student does an experiment to measure the change in a pendulum's oscillation period with the length of the pendulum. What is the most appropriate excel chart type to display this data?  
 a) Line  
 b) Scatter  
 c) Column  
 d) Donut  
 e) Surface
5. Which one of the following is a legitimate variable names in MATLAB?  
 a) 4var  
 b) tax-rate  
 c) exam1.1  
 d) input  
 e) sin

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

6. Which of the following MATLAB calculations would result the value 1?  
a)  $1+4/5$   
b)  $6/2*3$   
c)  $3^2/3*3$   
d)  $1+2+3/1+2+3$   
e) None of the above
7. Which of the following MATLAB expression gives  
a)  $\cos(180)$   
b)  $\cosd(pi)$   
c)  $\sin(3*pi/2)$   
d)  $\sin(-pi/2)$   
e) None of the above
8. The volume of a cylinder is  $V=\pi r^2 h$ . Define  $r$  as 3 and  $h$  as the row column  $h = [1, 5, 12]$ . Which of the following MATLAB expression is correct for solving the volumes of cylinders with the above  $h$  values.  
a)  $r=3; h=[1,5,12]; V=\pi r^2 h$   
b)  $r=3; V=\pi * r^2 * h[1,5,12]$   
c)  $r=3; V=\pi * r^2 * h(1,5,12)$   
d)  $r=3; h=[1,5,12]; V=\pi * r^2 * h$   
e) Both c and d
9. Which of the following expressions generates an evenly spaced vector  $X$  containing 15 values between 4 and 20.  
a)  $x=linspace(4,15,20)$   
b)  $x=linspace(15,4,20)$   
c)  $x=linspace(4,20,15)$   
d)  $x=4:15:20$   
e)  $x=4:20:15$
10. Which of the following determines the number of elements  $N$  of the matrix  $B$ ?  
a)  $N = \text{size}(B)$   
b)  $N = \text{elem}(B)$   
c)  $N = \text{prod}(\text{size}(B))$   
d)  $N = \text{numel}(B)$   
e) Both c and d
11. The difference between a function and a script is:  
a) only a function file can be run from the command line  
b) only a function requires inputs  
c) only a script file can perform a series of commands  
d) functions cannot save variable values  
e) function variable names only have meaning within the function, whereas script variables are available to other programs

12. Examine the following MATLAB code. What is the value of B at the end of the program:

```
A=2;  
for ii=0:2:4  
A=[A, A*ii];  
end B=A
```

- a) B=2,0,0
- b) B=2 2 0 2 0 0 2 0 0 0
- c) B=2 0 4 0 8 0 16 0
- d) B= 2 2 4 8
- e) None of the above

The file weights.xls contains the weights of 400 people, in kilograms. With respect to this file, using Excel or Matlab, answer question.

13. What is the average weight of the 400 people (to 1 decimal place)?(2 marks)

- a)58.2
- b)58.7
- c)25.6
- d)25.8

14. Grouping people into 5 kg weight ranges from 30 to 100 (30-34.99, 35-39.99, 40-44.99, and so on), how many people are in the group 40-44.99 (3 marks)?

- a)77
- b)69
- c)78
- d)80

15. The Fibonacci sequence is the sequence 1,1,2,3,5,8,13, ... where every next term is the sum of the two previous terms. Write a function or a script to determine the Fibonacci sequence. What is the ratio of the 21st and 20th terms to 4 decimal places? Note, as a test,  $13/8$  (or 1.6250) is the ratio of the 7th and 6th terms. (3 marks)

- a)1.6180
- b)1.78
- c)2.54
- d)3.254

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankarl Mani Rd, Pullipalayam, Morur (PO), Sankarl (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MATLAB(2018-2019)

NAME: Monisha. P

11  
15

REGISTER NUMBER: 07

YEAR/SEM: IV - ECE

DATE:

MCQ'S(Answer All the Questions)

1. If the formula appearing in cell C6 was copied to cell D8 what value would then appear in the cell D8?  
 a) 6  
 b) 23  
 c) 135  
 d) 87  
 e) 75
2. If the formula appearing in D2 was copied to cell D3, what would the value be?  
 a) 10  
 b) 2  
 c) 5  
 d) 7  
 e) 1
3. Which one of the following is an advantage of an Excel array formula?  
 a) It ensures all formulas in the range are identical  
 b) A group of data can be given a convenient name  
 c) You can easily overwrite the cell formulas  
 d) They are quick to type  
 e) None of the above
4. A student does an experiment to measure the change in a pendulum's oscillation period with the length of the pendulum. What is the most appropriate excel chart type to display this data?  
 a) Line  
 b) Scatter  
 c) Column  
 d) Donut  
 e) Surface
5. Which one of the following is a legitimate variable names in MATLAB?  
 a) 4var  
 b) tax-rate  
 c) exam1.1  
 d) \_input  
 e) sin

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

6. Which of the following MATLAB calculations would result the value 1?
- a)  $1+4/5$
  - b)  $6/2*3$
  - c)  $3^2/3*3$
  - d)  $1+2+3/1+2+3$
  - e) None of the above
7. Which of the following MATLAB expression gives
- a)  $\cos(180)$
  - b)  $\cosd(pi)$
  - c)  $\sin(3*pi/2)$
  - d)  $\sin(-pi/2)$
  - e) None of the above
8. The volume of a cylinder is  $v=\pi r^2 h$ . Define  $r$  as 3 and  $h$  as the row column  $h = [1, 5, 12]$ . Which of the following MATLAB expression is correct for solving the volumes of cylinders with the above  $h$  values.
- a)  $r=3; h=[1,5,12]; V=\pi r^2 h$
  - b)  $r=3; V=\pi * r^2 * h[1,5,12]$
  - c)  $r=3; V=\pi * r^2 * h(1,5,12)$
  - d)  $r=3; h=[1,5,12]; V=\pi * r^2 * h$
  - e) Both c and d
9. Which of the following expressions generates an evenly spaced vector  $x$  containing 15 values between 4 and 20.
- a)  $x=linspace(4,15,20)$
  - b)  $x=linspace(15,4,20)$
  - c)  $x=linspace(4,20,15)$
  - d)  $x=4:15:20$
  - e)  $x=4:20:15$
10. Which of the following determines the number of elements  $N$  of the matrix  $B$ ?
- a)  $N = \text{size}(B)$
  - b)  $N = \text{elem}(B)$
  - c)  $N = \text{prod}(\text{size}(B))$
  - d)  $N = \text{numel}(B)$
  - e) Both c and d
11. The difference between a function and a script is:
- a) only a function file can be run from the command line
  - b) only a function requires inputs
  - c) only a script file can perform a series of commands
  - d) functions cannot save variable values
  - e) function variable names only have meaning within the function, whereas script variables are available to other programs

12. Examine the following MATLAB code. What is the value of B at the end of the program:

```
A=2;  
for ii=0:2:4  
A=[A, A*ii];  
end B=A
```

- a) B=2,0,0,0
- b) B=2 2 0 2 0 0 2 0 0 0
- c) B= 2 0 4 0 8 0 16 0
- d) B= 2 2 4 8
- e) None of the above

The file weights.xls contains the weights of 400 people, in kilograms. With respect to this file, using Excel or Matlab, answer questions <sup>to 3</sup>

13. What is the average weight of the 400 people (to 1 decimal place)?(2 marks)

- a) 58.2
- b) 58.7
- c) 25.6
- d) 25.8

14. Grouping people into 5 kg weight ranges from 30 to 100 (30-34.99, 35-39.99, 40-44.99, and so on), how many people are in the group 40-44.99 (3 marks)?

- a) 77
- b) 69
- c) 78
- d) 80

15. The Fibonacci sequence is the sequence 1,1,2,3,5,8,13, ... where every next term is the sum of the two previous terms. Write a function or a script to determine the Fibonacci sequence. What is the ratio of the 21st and 20th terms to 4 decimal places? Note, as a test, 13/8 (or 1.6250) is the ratio of the 7th and 6th terms. (3 marks)

- a) 1.6180
- b) 1.78
- c) 2.54
- d) 3.254

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)  
Tiruchengode – Sankari Main Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NAME: BABY, A.

MATLAB(2018-2019)

REGISTER NUMBER: 6713

15  
15

YEAR/SEM:

DATE:

MCQ'S(Answer All the Questions)

1. If the formula appearing in cell C6 was copied to cell D8 what value would then appear in the cell D8?  
a) 6  
b) 23  
c) 135  
d) 87  
e) 75
2. If the formula appearing in D2 was copied to cell D3, what would the value be?  
a) 10  
b) 2  
c) 5  
d) 7  
e) 1
3. Which one of the following is an advantage of an Excel array formula?  
a) It ensures all formulas in the range are identical  
b) A group of data can be given a convenient name  
c) You can easily overwrite the cell formulas  
d) They are quick to type  
e) None of the above
4. A student does an experiment to measure the change in a pendulum's oscillation period with the length of the pendulum. What is the most appropriate excel chart type to display this data?  
a) Line  
b) Scatter  
c) Column  
d) Donut  
e) Surface
5. Which one of the following is a legitimate variable names in MATLAB?  
a) 4var  
b) tax-rate  
c) exam1.1  
d) input  
e) sin

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

6. Which of the following MATLAB calculations would result the value 1?  
a)  $1+4/5$   
b)  $6/2*3$   
c)  $3^2/3*3$   
d)  $1+2+3/1+2+3$   
e) None of the above
7. Which of the following MATLAB expression gives  
a)  $\cos(180)$   
b)  $\cosd(pi)$   
c)  $\sin(3*pi/2)$   
d)  $\sin(-pi/2)$   
e) None of the above
8. The volume of a cylinder is  $V=\pi r^2 h$ . Define  $r$  as 3 and  $h$  as the row column  $h = [1, 5, 12]$ . Which of the following MATLAB expression is correct for solving the volumes of cylinders with the above  $h$  values.  
a)  $r=3; h=[1,5,12]; V=\pi r^2 h$   
b)  $r=3; V=\pi * r^2 * h[1,5,12]$   
c)  $r=3; V=\pi * r^2 * h(1,5,12)$   
d)  $r=3; h=[1,5,12]; V=\pi * r^2 * h$   
e) Both c and d
9. Which of the following expressions generates an evenly spaced vector  $X$  containing 15 values between 4 and 20.  
a)  $x=linspace(4,15,20)$   
b)  $x=linspace(15,4,20)$   
c)  $x=linspace(4,20,15)$   
d)  $x=4:15:20$   
e)  $x=4:20:15$
10. Which of the following determines the number of elements  $N$  of the matrix  $B$ ?  
a)  $N = \text{size}(B)$   
b)  $N = \text{elem}(B)$   
c)  $N = \text{prod}(\text{size}(B))$   
d)  $N = \text{numel}(B)$   
e) Both c and d
11. The difference between a function and a script is:  
a) only a function file can be run from the command line  
b) only a function requires inputs  
c) only a script file can perform a series of commands  
d) functions cannot save variable values  
e) function variable names only have meaning within the function, whereas script variables are available to other programs

12. Examine the following MATLAB code. What is the value of B at the end of the program:

```
A=2;  
for ii=0:2:4  
A=[A, A*ii];  
end B=A
```

- a) B=2,0,0,0
- b) B=2 2 0 2 0 0 2 0 0 0
- c) B= 2 0 4 0 8 0 1 6 0
- d) B= 2 2 4 8
- e) None of the above

The file weights.xls contains the weights of 400 people, in kilograms. With respect to this file, using Excel or Matlab, answer questions 13 to 3.

13. What is the average weight of the 400 people (to 1 decimal place)?(2 marks)

- a)58.2
- b)58.7
- c)25.6
- d)25.8

14. Grouping people into 5 kg weight ranges from 30 to 100 (30-34.99, 35-39.99, 40-44.99, and so on), how many people are in the group 40-44.99 (3 marks)?

- a)77
- b)69
- c)78
- d)80

15. The Fibonacci sequence is the sequence 1,1,2,3,5,8,13, ... where every next term is the sum of the two previous terms. Write a function or a script to determine the Fibonacci sequence. What is the ratio of the 21st and 20th terms to 4 decimal places? Note, as a test, 13/8 (or 1.6250) is the ratio of the 7th and 6th terms. (3 marks)

- a)1.6180
- b)1.78
- c)2.54
- d)3.254

*asal*



# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

## Department of Electronics and Communication Engineering

### FEEDBACK FORM For Certificate Course

Name of the Participant	Bharathi
Branch	ECE
Topic of the event	MATLAB
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
--	-----------	-----------	------	------	------

- |  |   |   |   |   |   |
|--|---|---|---|---|---|
| 1. The program was well paced within the allotted time   | 5 | 4 | ③ | 2 | 1 |
| 2. The speaker was a good communicator   | 5 | ④ | 3 | 2 | 1 |
| 3. The material was presented in an organized manner   | 5 | ④ | 3 | 2 | 1 |
| 4. The information presented was relevant to your needs  | 5 | ④ | 3 | 2 | 1 |
| 5. I would be interested in attending a follow-up  | ⑤ | 4 | 3 | 2 | 1 |
| 6. Sufficient opportunity was provided for questions   | ⑤ | 4 | 3 | 2 | 1 |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? |   |   |   |   |   |

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Electronics and Communication Engineering

#### FEEDBACK FORM For Certificate Course

Name of the Participant	Devendiran .v
Branch	ECE
Topic of the event	MATLAB
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
--	-----------	-----------	------	------	------

- |  |     |     |     |   |   |
|--|-----|-----|-----|---|---|
| 1. The program was well paced within the allotted time   | (5) | 4   | 3   | 2 | 1 |
| 2. The speaker was a good communicator   | 5   | (4) | 3   | 2 | 1 |
| 3. The material was presented in an organized manner   | 5   | (4) | 3   | 2 | 1 |
| 4. The information presented was relevant to your needs  | (5) | 4   | 3   | 2 | 1 |
| 5. I would be interested in attending a follow-up  | 5   | (4) | 3   | 2 | 1 |
| 6. Sufficient opportunity was provided for questions   | 5   | 4   | (3) | 2 | 1 |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? |     |     |     |   |   |



Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Electronics and Communication Engineering

#### FEEDBACK FORM For Certificate Course

Name of the Participant	Ranjitha . K
Branch	ECE
Topic of the event	MATLAB
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
--	-----------	-----------	------	------	------

- |  |   |   |   |   |   |
|--|---|---|---|---|---|
| 1. The program was well paced within the allotted time   | 5 | 4 | 3 | 2 | 1 |
| 2. The speaker was a good communicator   | 5 | 4 | 3 | 2 | 1 |
| 3. The material was presented in an organized manner   | 5 | 4 | 3 | 2 | 1 |
| 4. The information presented was relevant to your needs  | 5 | 4 | 3 | 2 | 1 |
| 5. I would be interested in attending a follow-up  | 5 | 4 | 3 | 2 | 1 |
| 6. Sufficient opportunity was provided for questions   | 5 | 4 | 3 | 2 | 1 |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? |   |   |   |   |   |



Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT). T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Electronics and Communication Engineering

#### FEEDBACK FORM For Certificate Course

Name of the Participant	SARAVANAM				
Branch	ECE				
Topic of the event	MATLAB				
Date	12/01/2019				

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	✓	3	2	1
2. The speaker was a good communicator	5	✓	3	2	1
3. The material was presented in an organized manner	✓	4	3	2	1
4. The information presented was relevant to your needs	✓	4	✓	2	1
5. I would be interested in attending a follow-up	5	4	✓	2	1
6. Sufficient opportunity was provided for questions	5	4	✓	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?	Good				

Good

Thank you!

Please return this form to the organizer at the end of the event.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

**Department of Electronics and Communication Engineering**

**FEEDBACK FORM  
For Certificate Course**

Name of the Participant	Ashok.S
Branch	ECE
Topic of the event	MATLAB
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Thank you!

Please return this form to the organizer at the end of the event.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

From

R.Siva Kumar,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Sri Shanmugha College of Engineering and Technology,  
Pullipalayam,  
Sankari.

To

The Head of the Department,  
Sri Shanmugha College of Engineering and Technology,  
Pullipalayam,  
Sankari.

Respected Sir/Madam,

**Sub: Permission for conducting Certificate Courses – Reg.**

We are planning to conduct Certificate Course on Robotics using AVR Studio for all year B.E Electronics and Communication Engineering as an additional knowledge and career development between 07.01.2019 to 12.01.2019. In this regard, we kindly request you to provide us permission and allow us to conduct the classes in the Department of Electronics and Communication Engineering on the proposed date.

**Venue: Robotics Laboratory-Main Building**

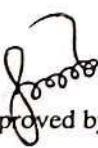
Thanking you,

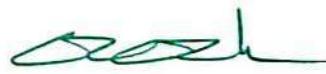
Place:Sankari

Date:28.12.2018

Sincerely,

  
(R.Siva Kumar,AP/ECE)

Approved by  


  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



**Sri Shanmuga College of Engineering and Technology**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

C.NO:SSCET/ECE/COURSES/10/2018-19

Date: 28.12.2018

**CIRCULAR**

This is to inform all the students of Electronics and Communication Engineering Department R.Siva Kumar AP/ECE has planned to conduct Certificate Course on Robotics for all year students on Robotics. Interested candidates are requested to register their names to their respective class advisors on or before 05.01.2019



HOD/ECE

**Copy to:**

1. Circulate to ECE Class Room
2. Circulate to Department Faculty Members
3. Department Circular File
4. Principal Office



PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

List of Participants for Robotics using AVR Studio

Course Duration: 48 Hours

S.No	YEAR	REGISTER NUMBER	STUDENT NAME
1.	IV YEAR	732715106715	Sowmiya V
2.	IV YEAR	732715106716	Deepa C
3.	IV YEAR	732715106717	Revathi S
4.	IV YEAR	732715106718	Gnanajothi R
5.	IV YEAR	732715106719	Deepa.M
6.	IV YEAR	732715106720	Monisha S
7.	IV YEAR	732715106721	Bakiyalakshmi M
8.	II YEAR	732717106002	Arun K
9.	II YEAR	732717106006	Bhuvaneswari S
10.	II YEAR	732717106014	Jayajothi M
11.	II YEAR	732717106015	Kamali M
12.	II YEAR	732717106016	Karthikarani S
13.	II YEAR	732717106017	Kasthuri S
14.	II YEAR	732717106019	Lavanya M
15.	II YEAR	732717106031	Rajappan S
16.	II YEAR	732717106034	Rohini J
17.	II YEAR	732717106040	Shivani A
18.	II YEAR	732717106703	Vignesh S
19.	III YEAR	732716106049	Vanithamani.M
20.	III YEAR	732716106050	Varshasri.U
21.	III YEAR	732716106051	Vasuki.V
22.	III YEAR	732716106052	Vijayanirmala.L

COURSE IN CHARGE  
(R.Siva Kumar,AP/ECE)

  
HOD/ECE

(Dr.P.Kalyana Sundharam)

  
PRINCIPAL

(Dr.R.Radha Krishnan)

  
PRINCIPAL

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
 (Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015)  
 & Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Attendance for Robotics using AVR Studio Class — All Year ECE

S.No	YEAR	REGISTER NUMBER	STUDENT NAME	07.01.2019	08.01.2019	09.01.2019	10.01.2019	11.01.2019	12.01.2019
1.	IV YEAR	732715106715	Sowmiya V	Scor	Scor	Scor	Scor	Scor	Scor
2.	IV YEAR	732715106716	Deepa C	ab	ab	ab	ab	ab	Deepa
3.	IV YEAR	732715106717	Revathi S	Q.P.	Q.P.	Q.P.	Q.P.	Q.P.	Q.P.
4.	IV YEAR	732715106718	Gnanajothi R	Guj	Guj	Guj	Guj	Guj	Guj
5.	IV YEAR	732715106719	Deepa.M	Q.D.	Q.D.	Q.D.	Q.D.	Q.D.	ab
6.	IV YEAR	732715106720	Monisha S	S.Muna	S.Muna	S.Muna	S.Muna	S.Muna	S.Muna
7.	IV YEAR	732715106721	Bakiyalakshmi M	M.Bu	M.Bu	M.Bu	ab	ab	ab
8.	II YEAR	732717106002	Arun K	Abi	Abi	Abi	Abi	Abi	Abi
9.	II YEAR	732717106006	Bhuvaneswari S	S.Selv	S.Selv	S.Selv	S.Selv	S.Selv	S.Selv
10.	II YEAR	732717106014	Jayajothi M	T.P.	T.P.	T.P.	T.P.	T.P.	T.P.
11.	II YEAR	732717106015	Kamali M	H.KC	H.KC	V.CD	M.C	H.KC	M.KC
12.	II YEAR	732717106016	Karthikarani S	Q.QP	Q.QP	Q.QP	Q.QP	Q.QP	Q.QP
13.	II YEAR	732717106017	Kasthuri S	Kast	Kast	Kast	ab	ab	ab
14.	II YEAR	732717106019	Lavanya M	M.Ly	M.Ly	M.Ly	M.Ly	M.Ly	M.Ly
15.	II YEAR	732717106031	Rajappan S	Rajin	Rajin	Rajin	Rajin	Rajin	Rajin
16.	II YEAR	732717106034	Rohini J	J.Roh	J.Roh	J.Roh	J.Roh	J.Roh	J.Roh
17.	II YEAR	732717106040	Shivani A	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
18.	II YEAR	732717106703	Vignesh S	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
19.	III YEAR	732716106049	Vanithamani.M	H.Van	H.Van	H.Van	H.Van	H.Van	H.Van
20.	III YEAR	732716106050	Varshasri.U	Var	Var	Var	Var	Var	Var
21.	III YEAR	732716106051	Vasuki.V	V.V	V.V	V.V	V.V	V.V	V.V
22.	III YEAR	732716106052	Vijayanirmala.L	Vijaya	Vijaya	ab	ab	Vijaya	Vijaya

  
**COURSE IN-CHARGE**  
 (R.Siva Kumar,AP/ECE)

  
**HOD/ECE**  
 (Dr.P.Kalyana Sundharam)

  
**PRINCIPAL**  
 (Dr.R.Radha Krishnan)

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637 304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ROBOTICS(2018-2019)

NAME:

REGISTER NUMBER:

YEAR/SEM:

DATE:

MCQ'S(Answer All the Questions)

1-Robot is derived from Czech word

(A) Rabota

(B) Robota

(C) Rebota

(D) Ribota

2-A Robot is a

(A) Programmable

(B) Multi functional manipulator

(C) Both (A) and (B)

(D) None of the above

3-The main objective(s) of Industrial robot is to

(A) To minimise the labour requirement .

(B) To increase productivity

(C) To enhance the life of production machines

(D) All of the above

4-The following is true for a Robot and NC Machine

(A) Similar power drive technology is used in both

(B) Different feedback systems are used in both

(C) Programming is same for both

(D) All of the above

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N.

**5-Match the following(3 marks)**

Robot part	Function
a. Manipulator arm	1. For holding a piece or tool
b. Controllers	2. Move the manipulator arm and end effector
c. Drives	3. Number of degrees of freedom of movement
d. Gripper	4. Delivers commands to the actuators

- (A) a-1, b-4, c-2, d-3
- (B) a-3, b-4, c-2, d-1
- (C) a-3, b-2, c-4, d-1
- (D) a-4, b-3, c-2, d-1

**6-Drives are also known as**

- (A) Actuators
- (B) Controller
- (C) Sensors
- (D) Manipulator

**7-Clockwise of Anti clockwise rotation about the vertical axis to the perpendicular arm is provided through**

- (A) Shoulder swivel
- (B) Elbow extension
- (C) Arm sweep
- (D) Wrist bend

**8-Radial movement (in & out) to the manipulator arm is provided by**

- (A) Elbow extension
- (B) Wrist bend
- (C) Wrist swivel
- (D) Wrist yaw

**9-Industrial Robots are generally designed to carry which of the following coordinate system(s).**

(A) Cartesian coordinate systems

(B) Polar coordinate systems

(C) Cylindrical coordinate system

(D) All of the above

**10-The Robot designed with Cartesian coordinate systems has**

(A) Three linear movements

(B) Three rotational movements

(C) Two linear and one rotational movement

(D) Two rotational and one linear movement

**11-The Robot designed with Polar coordinate systems has**

(A) Three linear movements

(B) Three rotational movements

(C) Two linear and one rotational movement

(D) Two rotational and one linear movement

**12-The Robot designed with cylindrical coordinate systems has**

(A) Three linear movements

(B) Three rotational movements

(C) Two linear and one rotational movement

(D) Two rotational and one linear movement

**13-Which of the following work is done by General purpose robot?**

(A) Part picking

(B) Welding

(C) Spray painting

(D) All of the above

**14-The following drive is used for lighter class of Robot.**

(A) Pneumatic drive

(B) Hydraulic drive

(C) Electric drive

(D) All of the above

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

**15-Internal state sensors are used for measuring \_\_\_\_\_ of the end effector.**

(A) Position

(B) Position & Velocity

(C) Velocity & Acceleration

(D) Position, Velocity & Acceleration

**16-Which of the following sensors determines the relationship of the robot and its environment and the objects handled by it**

(A) Internal State sensors

(B) External State sensors

(C) Both (A) and (B)

(D) None of the above

**17-Which of the following is not a programming language for computer controlled robot?**

(A) AMU

(B) VAL

(C) RAIL

(D) HELP

**18-In which of the following operations Continuous Path System is used**

(A) Pick and Place

(B) Loading and Unloading

(C) Continuous welding

(D) All of the above.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



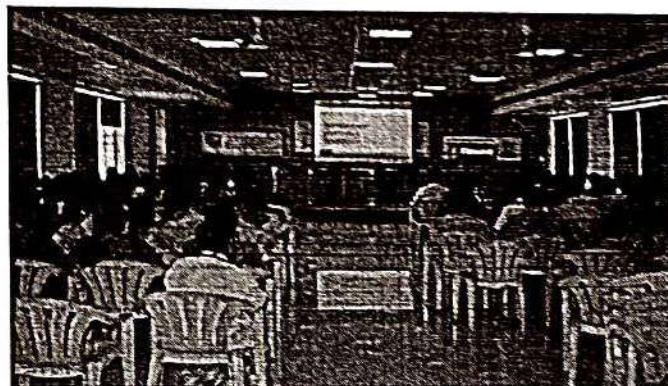
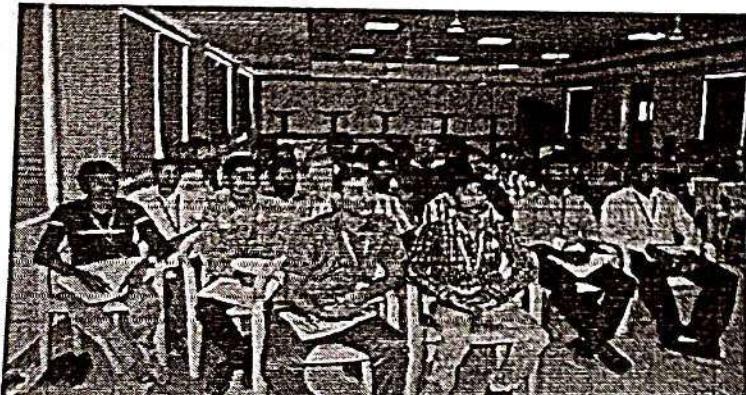
## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### Report for Certificate course on Robotics

The department of Electronics and Communication Engineering organized a Six days Certificate course on Robotics for all year students of ECE successfully from 07.01.2019 to 12.01.2019. In the first session students got familiar with the term Robot, how to identify whether a machine is a Robot or an autonomous bot, Robotics, Aspects of Robotics, philosophy of AI (Artificial Intelligence), Brief on Machine Learning and types of Robots. Informative videos from Boston Dynamics were shown to students. In the next part a brief introduction to Arduino was given 1st Year students. They got familiar with various development boards of Arduino and learnt the development environment for Arduino. Working with Arduino I/O pin was taught and functions of various embedded components were explained. Later simple application of Arduino like blinking LED and its coding was explained. In the last part of the session, more applications of Arduino were explained and showed. Applications included "S.O.S Morse code" using simple LED and Arduino coding; "Traffic Light Signaling" using LED and Arduino coding. In the meantime students were free to ask any questions regarding the domain if they had any doubt about any topics explained. Students without any hesitation asked questions and after hearing answers from our presenters they were satisfied. Overall student learnt the basics of working with Arduino and gained basic knowledge of various Arduino development boards; Programming environment; onboard features of Arduino Uno.





SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NAME: Vijayanimala . L ROBOTICS(2018-2019)

REGISTER NUMBER: 6052

YEAR/SEM: II - ECE

DATE:

19  
20

MCQ'S(Answer All the Questions)

1-Robot is derived from Czech word

(A) Rabota

(B) Robota

(C) Rebota

(D) Ribota

2-A Robot is a

(A) Programmable

(B) Multi functional manipulator

(C) Both (A) and (B)

(D) None of the above

3-The main objective(s) of Industrial robot is to

(A) To minimise the labour requirement

(B) To increase productivity

(C) To enhance the life of production machines

(D) All of the above

4-The following Is true for a Robot and NC Machine

(A) Similar power drive technology is used in both

(B) Different feedback systems are used in both

(C) Programming is same for both

(D) All of the above

  
PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

**5-Match the following(3 marks)**

Robot part	Function
a. Manipulator arm	1. For holding a piece or tool
b. Controllers	2. Move the manipulator arm and end effector
c. Drives	3. Number of degrees of freedom of movement
d. Gripper	4. Delivers commands to the actuators

(A) a-1, b-4, c-2, d-3

(B) a-3, b-4, c-2, d-1

(C) a-3, b-2, c-4, d-1

(D) a-4, b-3, c-2, d-1

**6-Drives are also known as**

(A) Actuators

(B) Controller

(C) Sensors

(D) Manipulator

**7-Clockwise of Anti clockwise rotation about the vertical axis to the perpendicular arm is provided through**

(A) Shoulder swivel

(B) Elbow extension

(C) Arm sweep

(D) Wrist bend

**8-Radial movement (in & out) to the manipulator arm is provided by**

(A) Elbow extension

(B) Wrist bend

(C) Wrist swivel

(D) Wrist yaw

**9-Industrial Robots are generally designed to carry which of the following coordinate system(s).**

- (A) Cartesian coordinate systems
- (B) Polar coordinate systems
- (C) Cylindrical coordinate system
- (D) All of the above

**10-The Robot designed with Cartesian coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**11-The Robot designed with Polar coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**12-The Robot designed with cylindrical coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**13-Which of the following work is done by General purpose robot?**

- (A) Part picking
- (B) Welding
- (C) Spray painting
- (D) All of the above

**14-The following drive is used for lighter class of Robot.**

- (A) Pneumatic drive
- (B) Hydraulic drive
- (C) Electric drive
- (D) All of the above

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT)-T.N.

**15-**Internal state sensors are used for measuring \_\_\_\_\_ of the end effector.  
(A) Position

(B) Position & Velocity

(C) Velocity & Acceleration

(D) Position, Velocity & Acceleration

**16-**Which of the following sensors determines the relationship of the robot and its environment and the objects handled by it

(A) Internal State sensors

(B) External State sensors

(C) Both (A) and (B)

(D) None of the above

**17-**Which of the following is not a programming language for computer controlled robot?

(A) AMU

(B) VAL

(C) RAIL

(D) HELP

**18-**In which of the following operations Continuous Path System is used

(A) Pick and Place

(B) Loading and Unloading

(C) Continuous welding

(D) All of the above.



PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)  
Tiruchengode – Sankari Mani Rd, Pullipalayam, Morur (PO), Sankari (TK), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NAME: *Sowmiya . V*

ROBOTICS(2018-2019)

REGISTER NUMBER: *0715*

YEAR/SEM: *IV*

DATE:

*14/20*

MCQ'S(Answer All the Questions)

1-Robot is derived from Czech word

(A) Rabota

(B) Robota

*(C) Rebota*

(D) Ribota

2-A Robot is a

(A) Programmable

(B) Multi functional manipulator

*(C) Both (A) and (B)*

(D) None of the above

3-The main objective(s) of Industrial robot is to

(A) To minimise the labour requirement

(B) To increase productivity

(C) To enhance the life of production machines

*(D) All of the above*

4-The following is true for a Robot and NC Machine

*(A) Similar power drive technology is used in both*

(B) Different feedback systems are used in both

(C) Programming is same for both

(D) All of the above

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304  
SANKAGIRI(TK). SALEM(DT). T.N.

**5-Match the following(3 marks)**

Robot part	Function
a. Manipulator arm	1. For holding a piece or tool
b. Controllers	2. Move the manipulator arm and end effector
c. Drives	3. Number of degrees of freedom of movement
d. Gripper	4. Delivers commands to the actuators

(A) a-1, b-4, c-2, d-3

(B) a-3, b-4, c-2, d-1

(C) a-3, b-2, c-4, d-1

(D) a-4, b-3, c-2, d-1

**6-Drives are also known as**

(A) Actuators

(B) Controller

(C) Sensors

(D) Manipulator

**7-Clockwise of Anti clockwise rotation about the vertical axis to the perpendicular arm is provided through**

(A) Shoulder swivel

(B) Elbow extension

(C) Arm sweep

(D) Wrist bend

**8-Radial movement (in & out) to the manipulator arm is provided by**

(A) Elbow extension

(B) Wrist bend

(C) Wrist swivel

(D) Wrist yaw

**9-Industrial Robots are generally designed to carry which of the following coordinate system(s).**

- (A) Cartesian coordinate systems
- (B) Polar coordinate systems
- (C) Cylindrical coordinate system
- (D) All of the above

**10-The Robot designed with Cartesian coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**11-The Robot designed with Polar coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**12-The Robot designed with cylindrical coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**13-Which of the following work is done by General purpose robot?**

- (A) Part picking
- (B) Welding
- (C) Spray painting
- (D) All of the above

**14-The following drive is used for lighter class of Robot.**

- (A) Pneumatic drive
- (B) Hydraulic drive
- (C) Electric drive
- (D) All of the above



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY  
(Approved By AICTE, Accredited by NAAC, Certified by ISO 9001:2015  
& Affiliated to Anna University)

Tiruchengode – Sankari Main Rd, Pullipalayam, Morur (PO), Sankari (Tk), Salem 637304.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ROBOTICS(2018-2019)

NAME: Rajappan, S

REGISTER NUMBER: 6031

YEAR/SEM: 11 - ECE

DATE:

6/20.

MCQ'S(Answer All the Questions)

1-Robot is derived from Czech word

(A) Rabota

(B) Rlobota

(C) Rebota

(D) Ribota

2-A Robot is a

(A) Programmable

(B) Multi functional manipulator

(C) Both (A) and (B)

(D) None of the above

3-The main objective(s) of Industrial robot is to

(A) To minimise the labour requirement

(B) To increase productivity

X

(C) To enhance the life of production machines

(D) All of the above

4-The following is true for a Robot and NC Machine

(A) Similar power drive technology is used in both

(B) Different feedback systems are used in both

X

(C) Programming is same for both

(D) All of the above

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT). T.N.

**15-Internal state sensors are used for measuring \_\_\_\_\_ of the end effector.**

- (A) Position
- (B) Position & Velocity
- (C) Velocity & Acceleration
- (D) Position, Velocity & Acceleration

**16-Which of the following sensors determines the relationship of the robot and its environment and the objects handled by it**

- (A) Internal State sensors
- (B) External State sensors
- (C) Both (A) and (B)
- (D) None of the above

**17-Which of the following is not a programming language for computer controlled robot?**

- (A) AMU
- (B) VAL
- (C) RAIL
- (D) HELP

**18-In which of the following operations Continuous Path System is used**

- (A) Pick and Place
- (B) Loading and Unloading
- (C) Continuous welding
- (D) All of the above.

**S-Match the following(3 marks)**

Robot part	Function
a. Manipulator arm	1. For holding a piece or tool
b. Controllers	2. Move the manipulator arm and end effector
c. Drives	3. Number of degrees of freedom of movement
d. Gripper	4. Delivers commands to the actuators

(A) a-1, b-4, c-2, d-3

(B) a-3, b-4, c-2, d-1

(C) a-3, b-2, c-4, d-1

(D) a-4, b-3, c-2, d-1

**6-Drives are also known as**

(A) Actuators

(B) Controller

(C) Sensors

(D) Manipulator

**7-Clockwise of Anti clockwise rotation about the vertical axis to the perpendicular arm is provided through**

(A) Shoulder swivel

(B) Elbow extension

(C) Arm sweep

(D) Wrist bend

**8-Radial movement (in & out) to the manipulator arm is provided by**

(A) Elbow extension

(B) Wrist bend

(C) Wrist swivel

(D) Wrist yaw

**9-Industrial Robots are generally designed to carry which of the following coordinate system(s).**

(A) Cartesian coordinate systems

(B) Polar coordinate systems

(C) Cylindrical coordinate system

X

(D) All of the above

**10-The Robot designed with Cartesian coordinate systems has**

(A) Three linear movements

(B) Three rotational movements

X

(C) Two linear and one rotational movement

③

(D) Two rotational and one linear movement

**11-The Robot designed with Polar coordinate systems has**

(A) Three linear movements

(B) Three rotational movements

X

(C) Two linear and one rotational movement

(D) Two rotational and one linear movement

**12-The Robot designed with cylindrical coordinate systems has**

(A) Three linear movements

X

(B) Three rotational movements

(C) Two linear and one rotational movement

(D) Two rotational and one linear movement

④

**13-Which of the following work is done by General purpose robot?**

(A) Part picking

(B) Welding

X

(C) Spray painting

(D) All of the above

**14-The following drive is used for lighter class of Robot.**

(A) Pneumatic drive

(B) Hydraulic drive

✓

(C) Electric drive

(D) All of the above

**15-Internal state sensors are used for measuring \_\_\_\_\_ of the end effector.**

- (A) Position
- (B) Position & Velocity
- (C) Velocity & Acceleration
- (D) Position, Velocity & Acceleration

**16-Which of the following sensors determines the relationship of the robot and its environment and the objects handled by it**

- (A) Internal State sensors
- (B) External State sensors
- (C) Both (A) and (B)
- (D) None of the above

**17-Which of the following is not a programming language for computer controlled robot?**

- (A) AMU
- (B) VAL
- (C) RAIL
- (D) HELP

**18-In which of the following operations Continuous Path System is used**

- (A) Pick and Place
- (B) Loading and Unloading
- (C) Continuous welding
- (D) All of the above.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT). T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Electronics and Communication Engineering

#### FEEDBACK FORM For Certificate Course

Name of the Participant	Sowmiya					
Branch	ECE					
Topic of the event	ROBOTICS USING AVR STUDIO					
Date	12/01/2019					

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	(5)	4	3	2	1
2. The speaker was a good communicator	(5)	4	3	2	1
3. The material was presented in an organized manner	5	(4)	3	2	1
4. The information presented was relevant to your needs	5	4	(3)	2	1
5. I would be interested in attending a follow-up	5	4	(3)	2	1
6. Sufficient opportunity was provided for questions	5	4	(3)	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT). T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

**Department of Electronics and Communication Engineering**

**FEEDBACK FORM  
For Certificate Course**

Name of the Participant	Monisha
Branch	ECE
Topic of the event	ROBOTICS USING AVR STUDIO
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

✓

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT),T.N.



# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

## Department of Electronics and Communication Engineering

### FEEDBACK FORM For Certificate Course

Name of the Participant	Jamali
Branch	ECE
Topic of the event	ROBOTICS USING AVR STUDIO
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?	Good.				

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	Lavanya.M
Branch	ECE
Topic of the event	ROBOTICS USING AVR STUDIO
Date	12/01/2019

Please respond by encircling the appropriate option:

Excellent      Very Good      Good      Fair      Poor

- |  |       |   |   |   |   |
|--|-------|---|---|---|---|
| 1. The program was well paced within the allotted time   | 5     | 4 | 3 | 2 | 1 |
| 2. The speaker was a good communicator   | 5     | 4 | 3 | 2 | 1 |
| 3. The material was presented in an organized manner   | 5     | 4 | 3 | 2 | 1 |
| 4. The information presented was relevant to your needs  | 5     | 4 | 3 | 2 | 1 |
| 5. I would be interested in attending a follow-up  | 5     | 4 | 3 | 2 | 1 |
| 6. Sufficient opportunity was provided for questions   | 5     | 4 | 3 | 2 | 1 |
| 7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement? | _____ |   |   |   |   |

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Electronics and Communication Engineering

FEEDBACK FORM  
For Certificate Course

Name of the Participant	Vignesh
Branch	ECE
Topic of the event	ROBOTICS USING AVR STUDIO
Date	12/01/2019

Please respond by encircling the appropriate option:

	Excellent	Very Good	Good	Fair	Poor
1. The program was well paced within the allotted time	5	4	3	2	1
2. The speaker was a good communicator	5	4	3	2	1
3. The material was presented in an organized manner	5	4	3	2	1
4. The information presented was relevant to your needs	5	4	3	2	1
5. I would be interested in attending a follow-up	5	4	3	2	1
6. Sufficient opportunity was provided for questions	5	4	3	2	1
7. What did you most appreciate / enjoy / think was best about the event? Any suggestions for improvement?					

Thank you!

Please return this form to the organizer at the end of the event.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

Academic Year  
2018-2019



March, 2019

## To Whomsoever It May Concern

This is to certify that **Mr. Manu K-ECE**, has been working with us in **Greefi Technologies, Sonkari, Salem** as an **Android Developer** for a period of **Three months from December 2018**.

We found him Skilled (**Android Application Development**). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish him all the best for his future endeavours.

A handwritten signature in black ink, appearing to read "Sudhakar Annadurai".

**Sudhakar Annadurai**

**CEO - Greefi Technologies**

Verification Number: 9dbf3d70cf1304f8e0853270d237b907ff42582e

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

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM-630014,  
info@greefitech.com



March, 2019

## To Whomsoever It May Concern

This is to certify that Ms.S.Hari Priya-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.

We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish her all the best for his future endeavours.

A handwritten signature in black ink, appearing to read "Sudhakar Annadurai".

Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number: 1ad406aaf3e5ff846cd11d5c2a25c62d0bb886c  
[www.greefitech.com](http://www.greefitech.com)

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

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TH)[SALEM]DTZ:TUL



Greefi Technologies  
Do and build yourself

March, 2019

## To Whomsoever It May Concern

This is to certify that Ms. V. Banu Priya-ECE, has been working with us in Greefi Technologies, Sankarli, Salem as an Android Developer for a period of Three months from December 2018.

We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending hers.

We wish her all the best for his future endeavours.

Sudhakar Annadurai

CEO - Greefi Technologies

PRINCIPAL,  
SRI SHANMUCHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.  
info@greefitech.com | www.greefitech.com



March, 2019

## To Whomsoever It May Concern

This is to certify that **Ms.Srividya.B-ECE**, has been working with us in **Greefi Technologies, Sankari, Salem** as an **Android Developer** for a period of **Three months** from **December 2018**.

We found her Skilled (**Android Application Development**). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish her all the best for his future endeavours.

  
**Sudhakar Annadurai**

**CEO - Greefi Technologies**

Verification Number: ad24a6ca642e7b28204b313cee7c8ac4a9b20e1e

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-607004**  
**SAKAGIRI(TK).SALEM(DT).T.N.**



Greefi Technologies  
Do not break your mind

March, 2019

## To Whomsoever It May Concern

This is to certify that Ms.U.Varshasri-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.

We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish her all the best for his future endeavours.

Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number:d98e355ca4a7c527becfdd9e210051cac26b672e

PRINCIPAL,  
SRI SHANMUCHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR,  
SALEM (T.N.) SALEM (T.N.)  
SAF@greeltech.com | www.greeltech.com



Greefi Technologies  
Do and have yourself

March, 2019

## To Whomsoever It May Concern

This is to certify that Ms. Nivedha.K-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.

We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish her all the best for his future endeavours.

Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number: d685fabb691024446ec8a8347b171434aebcb7a5

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING TECHNOLOGY,  
PULLEPALAYAM MGRUR-637304,  
SANKAGIRI(TN), SALEM(DT), T.N.  
[pinfo@greelitech.com](mailto:pinfo@greelitech.com) [www.greelitech.com](http://www.greelitech.com)



Greefi Technologies  
Do not limit yourself

March, 2019

## To Whomsoever It May Concern

This is to certify that Mr.S.Naveen-ECE, has been working with us.in **Greefi Technologies, Sankari, Salem** as an **Android Developer** for a period of **Three months from December 2018.**

We found him Skilled (**Android Application Development**). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish him all the best for his future endeavours.

**Sudhakar Annadurai**

**CEO - Greefi Technologies**

Verification Number: 18fcf09fa77cfbb2ea4f9d25685c1f044d91e617

PRINCIPAL  
SRI SHANMUGAM COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, TIRUCHIRAPPALAYAM, T.N.  
info@greetechonlinetraining.com, 04322-637204



Greefi Technologies  
Do not limit yourself

March, 2019

## To Whomsoever It May Concern

This is to certify that Mr.G.Kiran Kumar-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.

We found him Skilled (Android Application Development). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish him all the best for his future endeavours.

Sudhakar Annadurai

CEO - Greefi Technologies

SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

Verification Number: cc3fe4d4e42b0e1aa0e6982ccbbe69262d0f8a02

Info@greefitech.com | www.greefitech.com



March, 2019

## To Whomsoever It May Concern

*This is to certify that Mr.C.Dhinakar-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018 .*

*We found him Skilled (Android Application Development). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.*

*We wish him all the best for his future endeavours.*

**Sudhakar Annadurai**  
CEO - Greefi Technologies

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLUPALAYAM, VELLORE 630073.  
info@greemtech.com, www.greemtech.com  
SANKAGIRI(TK), SALEM(DT), T.N.

Verification Number: 50629e1109b445d34912fa59335ce74c0113bf13



March, 2019

## To Whomsoever It May Concern

This is to certify that Mr.S.Karthikeyan-ECE, has been working with us in **Greefi Technologies, Sankari, Salem** as an **Android Developer** for a period of **Three months from December 2018**.

We found him Skilled (**Android Application Development**). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish him all the best for his future endeavours.

**Sudhakar Annadurai**

**CEO - Greefi Technologies**

Verification Number: 4c6f4716af00634b1a3a6c7092aa9cee74596ac6

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MOORUR-627100  
info@srishanmugha.com, www.srishanmugha.com  
SALEM(SRINIKETAN), SALEM(DT). T.N.



Greefi Technologies  
Do not limit yourself

March, 2019

## To Whomsoever It May Concern

*This is to certify that Mr. Thenpandiyan R-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.*

*We found him Skilled (Android Application Development). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.*

*We wish him all the best for his future endeavours.*

**Sudhakar Annadurai**

**CEO - Greefi Technologies**

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
POOJALAYAM, MORUR-637 304.  
info@shanmugha.com, www.shanmugha.com  
SANKAGIRI(TK), SALEM(DT), T.N.

Verification Number: 1c6f81755f2c6b7523e39947f4bdc37653031480



March, 2019

## To Whomsoever It May Concern

*This is to certify that Ms.A.Shivani-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.*

*We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.*

*We wish her all the best for his future endeavours.*

**Sudhakar Annadurai**

**CEO - Greefi Technologies**

Verification Number: e5cbcd9a171040de1dc7973407954179d9bd3ae1

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORWRA, 627104, T.N.  
<http://greetech.com>**



March, 2019

## To Whomsoever It May Concern

*This is to certify that Mr. Manu D-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.*

*We found him Skilled (Android Application Development). He worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.*

*We wish him all the best for his future endeavours.*

Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number: 2529db3946b13080e2965a6aebdf6de4d0f39866

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULHPALAYAM, புல்பலையம், pulhpaleyam@shctech.com  
SANKAGIRI(TK), SALEM(DT), T.N.



Greefi Technologies  
Be and have yourself

March, 2019

## To Whomsoever It May Concern

*This is to certify that Ms.K.Mythili-ECE, has been working with us in Greefi Technologies, Sankari, Salem as an Android Developer for a period of Three months from December 2018.*

*We found her Skilled (Android Application Development). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.*

*We wish her all the best for his future endeavours.*

Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number: 5f49222ebc0697b0985096d4003b8bb194e9127e

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
<http://SBEtech.com>,  
RUBBAPALAYAM, MCRUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



March, 2019

### To Whomsoever It May Concern

This is to certify that Ms.K.Sowmiya-ECE, has been working with us in **Greefi Technologies, Sankari, Salem** as an **Android Developer** for a period of **Three months from December 2018**.

We found her Skilled (**Android Application Development**). She worked well as part of a team during his tenure. We absolutely have no hesitation in recommending avers.

We wish her all the best for his future endeavours.

  
Sudhakar Annadurai

CEO - Greefi Technologies

Verification Number: 01e9418b0e5577c6e675e28566694640b1c917cc

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
RUDRA GADAWAM, MORUPETTAU, 637304  
SANKAGIRI(TK).SALEM(DT).T.N.

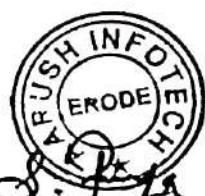


## AARUSH INFOTECH

Torino Building, 87, 2nd Floor,  
Mandapam Street, Marapalam, Erode-1.

### CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. P. DIVYA  
a Student of SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY,  
has done the In-Plant Training in our company held from 03.06.2019  
to 12.06.2019 and completed the Training Successfully.

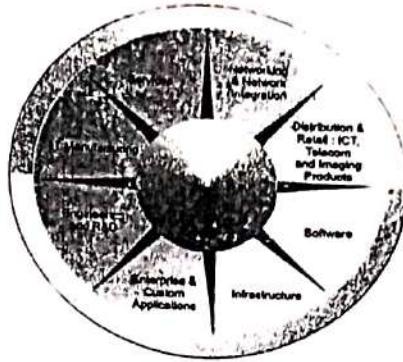


Project Manager

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE  
OF ENGINEERING AND TECHNOLOGY



S.No. .... 966 .....



## Certificate of Participant

That is to certify that SHALINI R (Reg. No : 732717106039) student of BE - ECE in Sri Shanmuga College of Engineering and Technology, has successfully completed in Inplant Training in Networking from the period 03-June-2019 to 09-June-2019.

Ranjithkumar R

Trainer Signature

Date of Issue : 09.06.2019

**TECHWORK**

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
TIRUCHIDALAI AYAM, MORTHR 637 304.  
T.N.



## MSME - TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

एमएसएमई - तकनीकी विकास केन्द्र, आगरा

Ministry of Micro, Small & Medium Enterprises

मूल्य लापु एवं प्रधान लक्ष्य विभाग

Government of India Organization

भारत सरकार की संस्था

Foundry Nagar, Agra

# Certificate of Internship

This is to certify that

Mr/Ms M. PRAKASH

Has successfully completed Internship on

EMBEDDED SYSTEMS

From JUNE 2019 to JUNE 2019 organized at

CADD Centre THIRUCHENNAI

**CADD**  
CENTRE  
Driving Digital Designs!

R. Mahesh  
Centre Head

  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637004,  
SANKAGIRI(TK), SALEM(DT)., TNL.



## MSME - TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

एमएसएमई - तकनीकी विकास केन्द्र, आगरा

Ministry of Micro, Small & Medium Enterprises

सूक्ष्म, संघर्ष एवं मध्यम उद्यम मंत्रालय

Government of India Organization

भारत सरकार की संस्था

Foundry Nagar, Agra

## Certificate of Internship

This is to certify that

Mr/Ms M.TISHWARYA

Has successfully completed Internship on

EMBEDDED SYSTEMS

From JUNE 2019 to JUNE 2019 organized at

CADD Centre THIRUCHENGODE

**CADD  
CENTRE**  
Driving Digital Designs!

R.Mahadevi

Centre Head

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## MSME - TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

एमएसएमई - तकनीकी विकास केन्द्र, आगरा

Ministry of Micro, Small & Medium Enterprises

सूखम, लघु एवं मध्यम उद्यम मंत्रालय

Government of India Organization

भारत सरकार की संस्था

Foundry Nagar, Agra

# Certificate of Internship

This is to certify that

Mr/Ms K.RAMESH

Has successfully completed Internship on

EMBEDDED SYSTEMS

From JUNE 2019 to JUNE 2019 organized at

CADD Centre THIRUCHENGODE

**CADD**  
CENTRE

Driving Digital Designs!

R.Malumini  
Centre Head

*[Signature]*

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM



## MSME - TECHNOLOGY DEVELOPMENT CENTRE (PPDC)

एमएसएमई - तकनीकी विकास केन्द्र, आगरा

Ministry of Micro, Small & Medium Enterprises

सूख्म, लघु एवं मध्यम उद्यम मंत्रालय

Government of India Organization

भारत सरकार की संस्था

Foundry Nagar, Agra

## Certificate of Internship

This is to certify that

Mr/Ms PALANISAMY. K

Has successfully completed Internship on

EMBEDDED SYSTEMS

From JUNE - 2019 to JUNE - 2019 organized at

CADD Centre THIRUCHENNAI

**CADD**  
CENTRE  
Driving Digital Designs!

R. Mahesh  
Centre Head

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
KARUR (T), SAILEM (Dt.)

# <codeb!nd/><sup>TM</sup>

## {Technologies}

Solution Without Compromise!



406, 100 feet Road, Gandhiapuram, Coimbatore  
Near Kalyan Jewellers  
+91-9751111343, 9751111346  
[www.codebindtechnologies.com](http://www.codebindtechnologies.com)  
[info@codebindtechnologies.com](mailto:info@codebindtechnologies.com)

### CERTIFICATE OF COMPLETION

CERTIFICATE NUMBER

CBT1PE031103190612

This certificate is awarded to P. PRIYA,  
who has undergone Inplant Training in INTERNET OF THINGS (IoT),  
from 03-06-2019 to 07-06-2019 at CodeBind Technologies,  
Coimbatore. During the course of training period, the conduct of  
the trainee was found to be Good.

  
Training Facilitator

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY

  
Issuing Authority

Head Office: T.Nagar, Chennai

Branch Office : Coimbatore N. Trichy

044-43304239



# KaaShiv InfoTech



Microsoft  
Most Valuable  
Professional

ORACLE

Certified Expert

SOFTWARE DEVELOPMENT & ELECTRONICS / IOT RESEARCH COMPANY  
X-41, shivanantha Building, 5th Floor, 2nd Avenue, Anna Nagar, Chennai - 40  
[www.kaashivinfotech.com](http://www.kaashivinfotech.com)

## Certificate of Completion

Mr./ Ms.

GOKUL A

a Student of SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

has done his/her In-Plant Training in Our Company held from 09-06-2018

to 23-06-2018 and completed the Training Successfully.

*Verma*

J. VENKATESAN PRABU  
Managing Director

KAASHIV Inf.  
X-41, Shivanantha Building  
5th Floor, 2nd Avenue,  
Anna Nagar, Chennai-600 046  
Ph: 044-42057547

*Arunachalam*

J. ARUNACHALAM  
Project Manager

\*\*\*This Hands-On Training is Provided by 10 Years Microsoft Awarded Most Valuable Professional, 13 International Certified Expert - Recognized Top Azure Specialist in the World.

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIRALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.



# FintechGie, Inc.

MEDIA & TECH COMPANY,  
IT WING, FIRST FLOOR, SRI SHANMUGHA EDUCATIONAL INSTITUTION SANKARI - TIRUCHENGODE MAIN ROAD,  
PULLIPALAYAM RD, TAMIL NADU 637904

## CERTIFICATE OF INTERNSHIP is hereby certify to

SHAALENI . K.

for successfully participating our Internship  
Program from 25th Nov 2019 to 2nd Dec 2019 at  
Digital Marketing, Wordpress, and Web design.

AUTHORISED SIGNATURE



EMAIL  
[info@fintechgie.com](mailto:info@fintechgie.com)

WEB  
[info.fintechgie.com](http://info.fintechgie.com)

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM MORUR-637304,  
SANKAGIRI(TK). SALEM(DT). T.N.



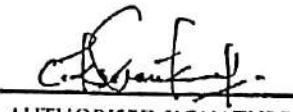
# FintechGie, Inc.

MEDIA & TECH COMPANY,  
IT WING, FIRST FLOOR, SRI SHANMUGIA EDUCATIONAL INSTITUTION SANKARI - TIRUCHENGODE MAIN ROAD,  
PULLIPALAYAM RD, TAMIL NADU 637304

## CERTIFICATE OF INTERNSHIP is hereby certify to

DIYYADHARSHINI . S.

for successfully participating our Internship  
Program from 25th Nov 2019 to 2nd Dec 2019 at  
Digital Marketing, Wordpress, and Web design.



A handwritten signature in black ink, appearing to read "C. Ganesan".

AUTHORISED SIGNATURE

EMAIL  
[info@fintechgie.com](mailto:info@fintechgie.com)

WEB  
[info.fintechgie.com](http://info.fintechgie.com)

 /FintechGie



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

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM MORUR-637 304.  
SANKAGIRI, TIRUCHENGODE, T.N.



### To Whomsoever It May Concern

This is to certify that Ms Banupriya V has successfully completed her internship program in our company Hatlet Technologies. Her internship tenure was from 07-02-2018 to 31-08-2019. During her tenure she worked as a Full Stack Developer.

She has worked on programming languages such as PHP (Yii Frameworks), Drupal, WordPress and is capable of designing and developing software system to cater to diverse needs. Her work reflects her thoroughness in understanding and implementing her knowledge of programming language. Apart from this she has ensured that important deadlines are met. Her remarkable communication skills, and her ability to capture the client's need are her most valuable assets.

We wish her good luck and success in her all future endeavors.

Sincerely,

M Sri Balaji  
CTO,  
Hatlet Technologies

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-607 301,  
SANKAGIRI(TK), SALEM(DT), T.N.



ISO 9001:2015 CERTIFIED

## CERTIFICATE OF MERIT

This is to certify that N UDHYA (Reg No. 7327710981) has successfully completed the internship in ROBOTICS Application Development in our concern from 10.06.2019 to 06.06.2019.

During the internship period, the performance of the intern was found to be GOOD.

Program Coordinator



HR Head



ISO 9001:2015 CERTIFIED

## CERTIFICATE OF COMPLETION

This is to certify that MUTHU NUDHAYA

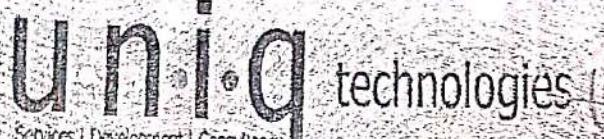
Has done INPLANT TRAINING from 26.05 to 6.6.19.

During the training period the performance of the trainee

Was found to be Good

PRINCIPAL  
SRI SHANMUCHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIWALAM, MGR HIGHWAY,  
SANKAGRITI, SALEM-634403





Services | Development | Consultancy

ISO 9001:2015 CERTIFIED

## CERTIFICATE OF COMPLETION

This is to certify that N. UDHAVA

PRINCIPAL  
SRI SHANKARASELVAM  
PARK COLLEGE  
SAINI

has successfully completed **mini project** in **ARDUINO**

entitled TRAFFIC SIGNAL CONTROL

  
**Program Coordinator**

  
**Trainer**

#1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st street, North Usman Road, T-Nagar, Chennai - 600 017, 044 42124943

[info@unitechnologies.com.in](mailto:info@unitechnologies.com.in) | [www.unitechnologies.com.in](http://www.unitechnologies.com.in)



Services | Development | Consultancy

ISO 9001:2015 CERTIFIED

technologies

## CERTIFICATE OF COMPLETION

This is to certify that R. THENPANDIVAN PRINCIPAL,  
SRI SHANMUGHAM COLLEGE  
OF ENGINEERING & TECHNOLOGY  
has successfully completed mini project in ARDUINO  
entitled TRAFFIC SIGNAL CONTROL



Program Coordinator

Trainer

1 Shila Arcade, 3rd Floor, Bharathi Nagar, 1st street, North Usman Road, T-Nagar, Chennai - 600 017, 044 42124943

[info@uniqtechnologies.co.in](mailto:info@uniqtechnologies.co.in) | [www.uniqtechnologies.co.in](http://www.uniqtechnologies.co.in)



ISO 9001:2015 CERTIFIED

## CERTIFICATE OF MERIT

This is to certify that R THENPANDIYAN (Reg No. 1AD71796045) has successfully completed the internship in Robotics Application Development in our concern from 21.6.19 to 6.7.19.

During the internship period, the performance of the intern was found to be Good.

A handwritten signature in black ink, appearing to read "Bm l".

Program Coordinator



HR Head



ISO 9001:2015 CERTIFIED

## CERTIFICATE OF COMPLETION

This is to certify that R THENPANDIYAN  
has done INPLANT TRAINING from 5.6.19 to 6.6.19.

During the training period the performance of the trainee  
was found to be Good.

*[Signature]*  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
TIRUPALAIYAM MURUGAN 647804  
TIRUCHIRAPPALLI - 610003

  
**Project Manager**

Shifa Arcade, 3rd Floor, Bharathi Nagar, 1st Street, North Usman Road, T-Nagar, Chennai - 600 017, 044 42124943  
[Info@uniqtechnologies.co.in](mailto:Info@uniqtechnologies.co.in) | [www.uniqtechnologies.co.in](http://www.uniqtechnologies.co.in)



ISO 9001:2015 CERTIFIED

## CERTIFICATE OF COMPLETION

This is to certify that S. YUVARAJ  
has done INPLANT TRAINING from 0.6.19 to 1.6.19.  
During the training period the performance of the trainee  
was found to be Good.

  
Project Manager

#1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, North Usman Road, T-Nagar, Chennai - 600 017, 044 42124943

[info@uniqtechnologies.co.in](mailto:info@uniqtechnologies.co.in) | [www.uniqtechnologies.co.in](http://www.uniqtechnologies.co.in)

# Certificate of Completion

This Certificate is Presented to

*M.C. Arun Kumar*

for successfully completing the Internship program on

**Ethical Hacking**



**CCUBE**  
TECHNOLOGIES  
[www.ccubetechnologies.com](http://www.ccubetechnologies.com)

03.06.2019 to 09.06.2019

Duration

Erode

Training Centre



Authorised Signatory

# Certificate of Completion

This Certificate is Presented to

*S. Vennila*

for successfully completing the Internship program on

**Ethical Hacking**



**c CUBE<sup>®</sup>**  
TECHNOLOGIES  
[www.ccubetechnologies.com](http://www.ccubetechnologies.com)

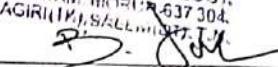
03.06.2019 to 09.06.2019

Duration

Erode

Training Centre

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MURSHIDABAD-637 304.  
SANKAGIRI (M), SALLIMOGudem.

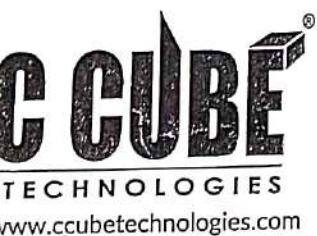
  
Authorised Signatory

This Certificate is Presented to

*K. Shaaleni*

for successfully completing the Internship program on

## Ethical Hacking



03.06.2019 to 09.06.2019

Duration

Erode

Training Centre

PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MOOSUR 6317304  
SANKACIRI(TN) SALAI 1037304

R. S. S. T.N.

Authorised Signatory

# Certificate of Completion

This Certificate is Presented to

*K. Kakila*

for successfully completing the Internship program on

**Ethical Hacking**



**C CUBE<sup>®</sup>**  
TECHNOLOGIES  
[www.ccubetechnologies.com](http://www.ccubetechnologies.com)

03.06.2019 to 09.06.2019

Duration

Erode

Training Centre

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MOHRUR-637 302  
SANKAGIRI(TK), SASTHRA COLLEGE OF T.N.

*[Signature]*  
Authorised Signatory

# Certificate of Completion

This Certificate is Presented to

*R. Praveen Kumar*

for successfully completing the Internship program on

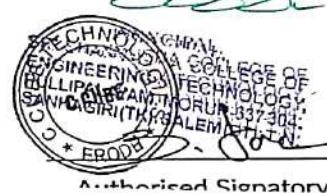
**Ethical Hacking**



**C CUBE®**

03.06.2019 to 09.06.2019

Erode





**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous...

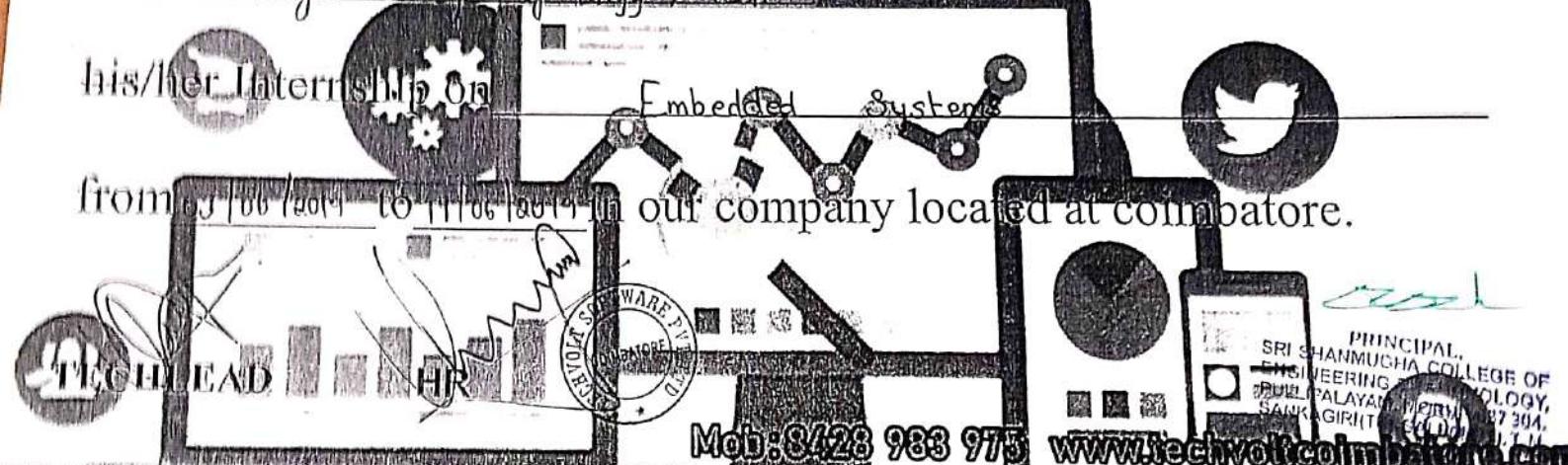
## **CERTIFICATE OF INTERNSHIP**

This is to certify that Mr/Ms Vasanthi R, B.E(ECE) Student of



Sri Shanmuga College of Engg & Tech have been associated towards his/her Internship on Embedded Systems.

from 10.00 A.M. to 11.00 A.M. in our company located at Coimbatore.



Uthai Centre 2nd Floor, Above City Union Bank, Raja Annamalai Rd, Saibaba Colony, Coimbatore, Tamil Nadu 641002



**TECHVOLT SOFTWARE PVT.LTD**

Simple But Marvelous...

### CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Bhuvarshwari K, B.E(ECE), Student of

Sri Shanmuga College of Engg & Tech have been associated towards  
his/her Internship on

Embedded Systems

from 31/07/2019 to 11/08/2019 in our company located at coimbatore.

TECHIEAD

HR



Mob: 0423 983 975

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

  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MELMARUVETTA-643 004.  
SANKACIRI(TK), ECR 10, T.N.

8 Thacil Centre, 2nd Floor, Above City Union Bank, Raja Annamalai Rd, Saibaba Colony, Coimbatore, Tamil Nadu 641011



**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous...

## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Karthika Boni S, B.E(CE), Student of



Sri Shanmuga College of Engineering & Tech have been associated towards  
his/her Internship on Embedded Systems

from 03/06/2019 to 11/06/2019 in our company located at coimbatore.





**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous...

## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Malini J, B.E(EE), Student of



Sri Shanmuga College of Engg & Tech have been associated towards  
his/her Internship on

Embedded Systems

from 03/06/2019 to 11/06/2019 in our company located at combatore.



*creed*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING, COIMBATORE,  
PULLITALAYAM, VILLAGH, 641011.  
TAMIL NADU, INDIA. FAX:



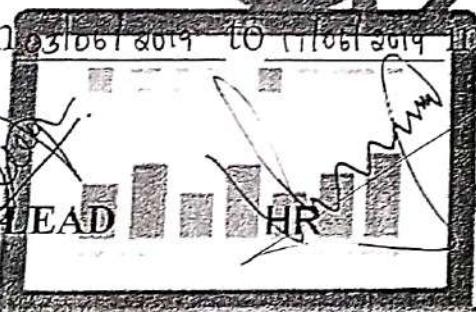
**TECHVOLT SOFTWARE PVT LTD**  
Simple But Marvelous

### CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Tamilarasi K, B.E(ECE), Student of

Sri Shanmuga College of Engg & Tech have been associated towards  
his/her Internship on

from 03/06/2019 to 11/06/2019 in our company located at coimbatore.



MoB: 8423 983 975



8 Thacil Centre, 2nd Floor, Above City Union Bank, Raja Annamalai Rd, Saibaba Colony, Coimbatore, Tamil Nadu 6410



**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous...

### CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Sathishan Priya E, B.E(ECE), Student of



Sri Shanmuga College of Engg. And Tech. have been associated towards  
his/her Internship on

from 03/06/2019 to 11/06/2019 in our company located at coimbatore.



TECHLEAD

HR



Mob: 9428 983 975

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

*[Signature]*  
PRINCIPAL,  
SRISHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PALAYAM MURU 637304.

Coimbatore - 641011  
Sri Shanmuga College of Engg. And Tech. Annamalai Rd. Saibaba Colony, Coimbatore, Tamil Nadu 641011



**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous..

## **CERTIFICATE OF INTERNSHIP**

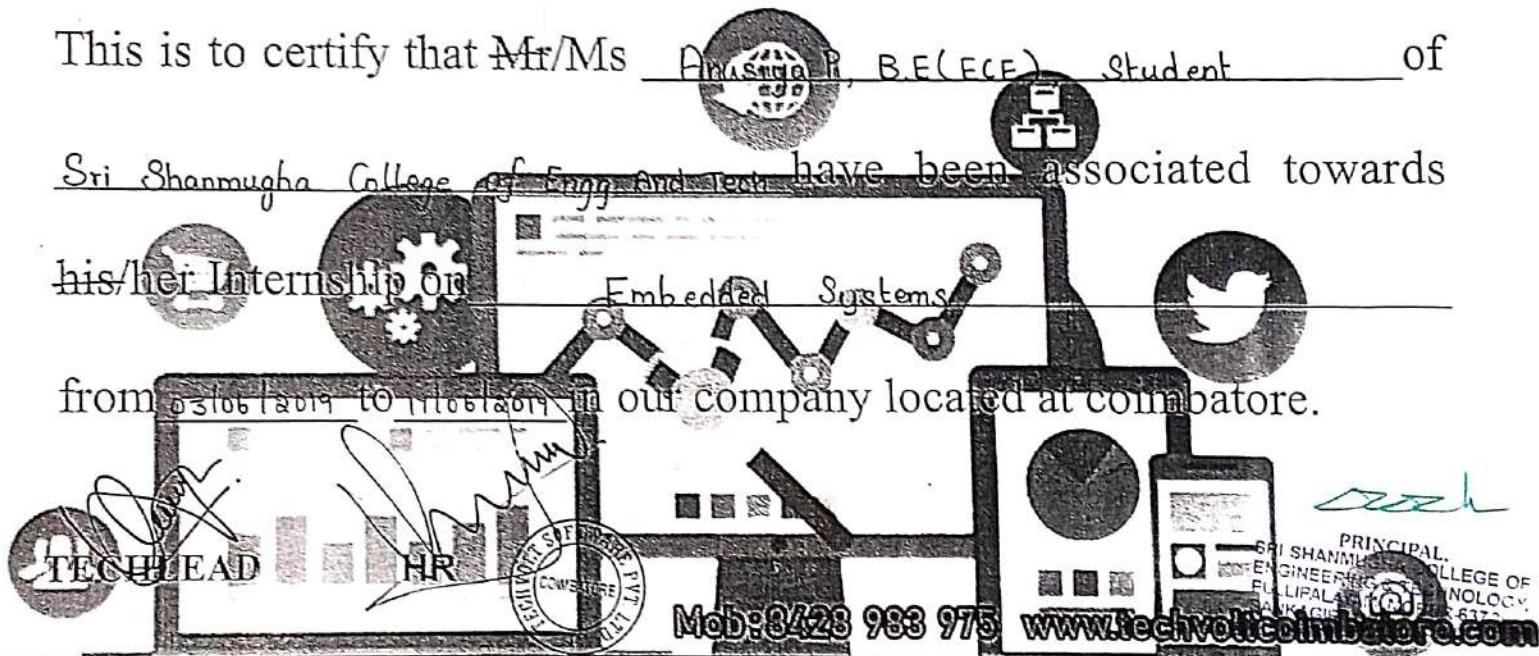
This is to certify that Mr/Ms Anushka R, B.E (FCE) student of

Sri Shanmuga College of Engineering and Technology have been associated towards

### his/her Internship on

## Embedded Systems

from 03/06/2019 to 11/06/2019 in our company located at coimbatore.





**TECHVOLT SOFTWARE PVT.LTD**  
Simple But Marvelous...

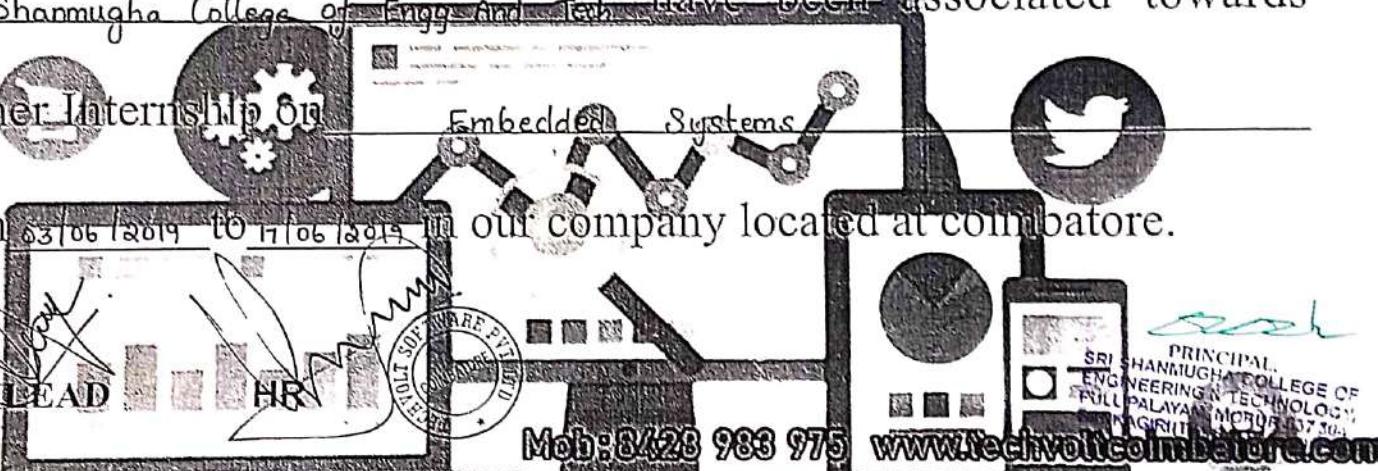
## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Dhivya Darshini S, B.E(CE), Student of



Sri Shanmuga College of Engg and Tech have been associated towards  
his/her Internship on Embedded Systems

from 03/06/2019 to 17/06/2019 in our company located at coimbatore.

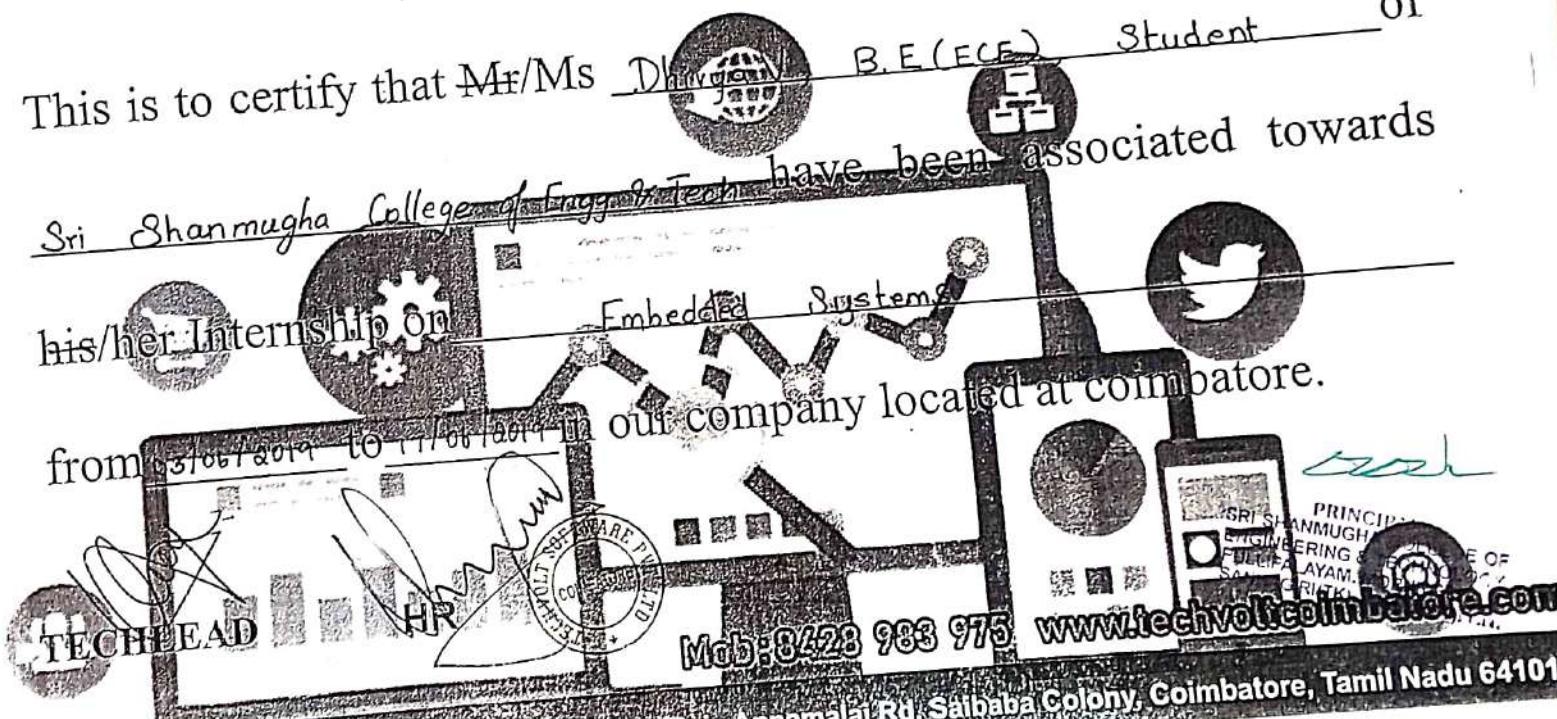




**TECHVOLT SOFTWARE PVT LTD**  
Simple But Marvelous...

## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Dhivya B. E (ECE) Student of  
Sri Shanmuga College of Engg & Tech have been associated towards  
his/her Internship on Embedded Systems from 31/07/2019 to 11/08/2019 in our company located at coimbatore.



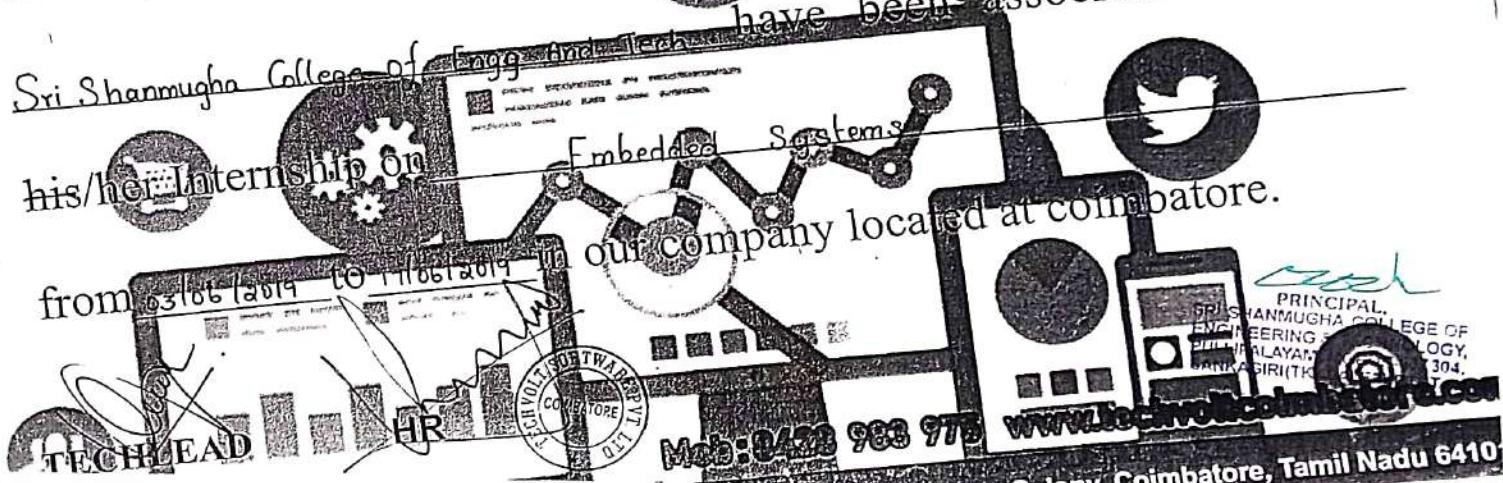


**TECHVOLT SOFTWARE PVT.LTD**

Simple But Marvelous...

## CERTIFICATE OF INTERNSHIP

This is to certify that Mr/Ms Rohini B.F (ECE) Student of  
Sri Shanmuga College of Engg. And Tech., have been associated towards  
his/her Internship on Embedded Systems from 03/06/2019 to 11/06/2019 in our company located at combatore.





**BSNL**

Connecting India

भारत संचार निगम लिमिटेड

**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

Certificate No. 400

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms. P. ANUSIYA

studying II BE ECE

SRI SHANMUGHA COLLEGE OF ENGINEERING & TECHNOLOGY

SANKARI

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date: 30.11.2018

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admin / HR),

कार्य. महाप्रबंधक, मासनिलि, सेलम

PRINCIPAL D/o. General Manager, BSNL, Salem  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY

PULLIPALAYAM, TIRUCHIRAPPALAM (DT). T.N.



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

प्रशिक्षण प्रमाण पत्र

Certificate No. ३९२

**COURSE CERTIFICATE**

*This is to certify that*

H./Ms. K. BHUVANESHWARI

studying..... II B.E ECE

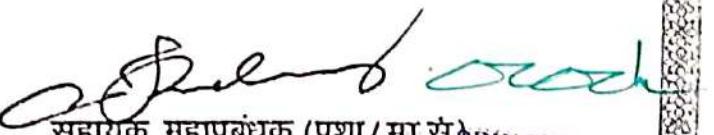
SRI SHANMUGA COLLEGE OF ENGG. &

TECHNOLOGY, SANKARI ..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018.

Salem - 636 007

Date : 30.11.2018



सहायक महाप्रबंधक (प्रशा/मा से) PRINCIPAL,  
Asst. General Manager (ADMN/TRA), COLLEGE OF  
कार्या, महाप्रबंधक, भासनीपुल्लियायम, MORUR-637304.  
O/o. General Manager, BSNL, BSNL SALEM(DT). T.N.



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

Certificate No. 394

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that:-*

Mr./Ms. S. BHUVANESWARI

studying II BE ECE in

SRI SHANKAR MUGA COLLEGE OF ENGINEERING &

TECHNOLOGY, SANKARI has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date: 30.11.2018

*[Signature]*  
SRI SHANKAR MUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
Asst. General Manager (Adm) PRINCIPAL  
PLOT NO. 14, TATHAM, MORUR-637 304  
कार्यालय: महाप्रबंधक, भासनील, सेलम (க). SALEM(DT). T.N.  
O/o: General Manager, BSNL, Salem



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड

**BHARAT SANCHAR NIGAM LIMITED**

(भारत सरकार का उद्यम)  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

Certificate No. 401

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms. G. HAMSA VARDHINI

studying..... II BE ECE

SRI SHANMUGHA COLLEGE OF ENGG AND

TECHNOLOGY, SANKARI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018.

Salem - 636 007

Date : 30.11.2018

*[Signature]*  
सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admn / HR),  
कार्या. महाप्रबंधक, भासनिलि, सेलम  
O/o. General Manager, BSNL, Salem

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
P.O. SANKARI, TIRUCHIRAPPALAYAM,  
TENNESSEE, INDIA - 637 304.  
(I/A) SALEM (D/I), 1



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए  
SALEM SSA  
प्रशिक्षण प्रमाण पत्र  
**COURSE CERTIFICATE**

Certificate No. 393

*This is to certify that*

Mr./Ms. M. KAMALI  
studying..... II BE ECE  
SRI SHANMUGHA COLLEGE OF ENGINEERING &  
TECHNOLOGY, SANKARI..... has  
undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date : 30.11.2018

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM NO. 104  
TIRUCHIRAPPALAYAM - 620 017

Asst. General Manager (Admin / HR),

कार्या. महाप्रबंधक, गोसाइलि. सेलम

O/o. General Manager, BSNL, Salem



**BSNL**  
*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.  
SALEM SSA

Certificate No. 391

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms....S. KARTHIKARANI

studying..... II BE ECE

SRI SHANMUGA COLLEGE OF ENGINEERING & TECHNOLOGY

SANKAGI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by BSNL Salem for one week from 26-11-2018 to 30-11-2018.

Salem - 636 007

Date : 30.11.2018

*[Signature]*  
PRINCIPAL, SRI SHANMUGA COLLEGE OF ENGINEERING & TECHNOLOGY, PULLIPALAYAM, MORUR 6317304  
कार्या महाप्रबंधक, भारानगिलि, सेलम  
Mr. General Manager, BSNL, Salem

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admn / HR),



**BSNL**

Connecting India

भारत संचार निगम लिमिटेड

**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

Certificate No. 395

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms..... S. KASTHURI .....

studying..... II B.E ECE ..... in

SRI SHANMUGA COLLEGE OF ENGG &

TECHNOLOGY, SANKARI ..... has

undergone training in 'Fundamentals of Telecommunications' conducted by

BSNL Salem for one week from 26-11-2018 to 30-11-2018

Salem - 636 007

Date : 30.11.2018

*asst* *C. Balaji*  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIPALAYAM, MOORAKKAL,  
TIRUCHIRAPPALAYAM - 620 007  
(T.N.)

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admn / HR),

कार्या. महाप्रबंधक, भासनिलि, सेलम

O/o. General Manager, BSNL, Salem



**BSNL**

Connecting India

भारत संचार निगम लिमिटेड

**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

Certificate No. 405

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms. M. LAVANYA .....

studying..... II BE ECE .....

SRI SHANMUGHA COLLEGE OF ENGG AND

TECHNOLOGY, SANKARI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018.....

Salem - 636 007

Date : 30.11.2018

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.

सहायक महाप्रबंधक (प्रशा / मा सं)  
Asst. General Manager (Admn / HR),

कार्या. महाप्रबंधक, भासनिलि, सेलम  
O/o. General Manager, BSNL, Salem



**BSNL**  
*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

प्रशिक्षण प्रमाण पत्र

Certificate No. 398

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms. J. MALINI

studying II BE ECE

in

SRI SHANMUGHA COLLEGE OF ENGG. &

TECHNOLOGY SANKARI has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018.

Salem - 636 007

Date: 30.11.2018

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MOORUR-637304  
SANKAGIRI ITK.

*[Signature]*

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admn / HR),

कार्या. महाप्रबंधक, भासनिलि, सेलम

O/o. General Manager, BSNL, Salem



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड

# BHARAT SANCHAR NIGAM LIMITED

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

प्रशिक्षण प्रमाण पत्र

Certificate No. 399

## COURSE CERTIFICATE

*This is to certify that*

Mr./Ms. P. PRIYA

studying..... II BE ECE

SRI SHANMUGHA COLLEGE OF ENGG &

TECHNOLOGY, SANKARI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from..... 26.11.2018..... to..... 30.11.2018.....

Salem - 636 007

Date : 30.11.2018

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(T), SALEM(DT).

सहायक महाप्रबंधक (प्रशा / मा सं)  
Asst. General Manager (Admn / HR),  
कार्या. महाप्रबंधक, भासनिलि, सेलम  
O/o. General Manager, BSNL, Salem



**BSNL**  
*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए  
SALEM SSA  
प्रशिक्षण प्रमाण पत्र  
**COURSE CERTIFICATE**

Certificate No. 396

*This is to certify that*

Mr./Ms..... R. PRIYANKA.....

studying..... II BE ECE..... in

SRI SHANMUGHAS COLLEGE OF ENGINEERING & TECHNOLOGY

SANICARI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 03.12.2018.

Salem - 633 007

Date : 30.11.2018

PRINCIPAL,  
SHANMUGHAS COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304  
SANKAGIRI(TK), SALEM(DT), T.N.

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admin / HR),

कार्या. महाप्रबंधक, भासनिलि, सेलम

O/o. General Manager, BSNL, Salem



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

Certificate No. 403

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mt./Ms. C. RENUKA DEVI

studying II BE ECE in

SRI SHANMUGHA COLLEGE OF ENGG &

TECHNOLOGY, SANKARI has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date: 30.11.2018

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-632204  
S:INKAGIRITH

सहायक महाप्रबंधक (प्ररा/गा सं)

Asst. General Manager (Admin / HR),

कार्या. महाप्रबंधक, भासनेलि, सेलम

O/o. General Manager, BSNL, Salem



**BSNL**

Connecting India

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

Certificate No. 390

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mrs./Ms. S. SATHYABHARATHI

studying ..... II B E ECE .....

SRI SHANMUGA COLLEGE OF ENGINEERING & TECHNOLOGY

SANKAGIRI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from ..... 26.11.2018 ..... to ..... 30.11.2018 .....

Salem - 636 007

Date : 30.11.2018

*Principal*  
PRINCIPAL,  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304  
SANKAGIRI(TK) SALEM

*Asst. General Manager (Admn / HR),*  
सहायक महाप्रबंधक (प्रशा / मा सं)  
कार्या. महाप्रबंधक, भासनिलि, सेलम  
O/o. General Manager, BSNL, Salem



**BSNL**

Connecting India

भारत संचार निगम लिमिटेड  
**BHARAT SANCHAR NIGAM LIMITED**

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

Certificate No. 402

प्रशिक्षण प्रमाण पत्र

**COURSE CERTIFICATE**

*This is to certify that*

Mr./Ms. R. SHALINI

studying II BE ECE

SRI SHANMUGHA COLLEGE OF ENGINEERING &

TECHNOLOGY, SANKAGIRI..... has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date : 30.11.2018 PRINCIPAL, Asst. General Manager (Admn / HR),  
SRI SHANMUGHA COLLEGE OF कार्य. महाप्रबंधक, भासनिलि, सेलम  
ENGINEERING & TECHNOLOGY, PULLIPALAYAM, MORUR-637 204, O/o. General Manager, BSNL, Salem  
SANKAGIRI(TK). SALEM

सहायक महाप्रबंधक (प्रशा/गा सं)

Asst. General Manager (Admn / HR),

कार्य. महाप्रबंधक, भासनिलि, सेलम

O/o. General Manager, BSNL, Salem



**BSNL**  
Connecting India

भारत संचार निगम लिमिटेड

# BHARAT SANCHAR NIGAM LIMITED

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए.

SALEM SSA

प्रशिक्षण प्रमाण पत्र

Certificate No. 397

## COURSE CERTIFICATE

*This is to certify that*

Mr./Ms. A. SHIVANI

studying II BE ECE

SRI SHANMUGHA COLLEGE OF ENGG &  
TECHNOLOGY, MORUR, P.O. TANKAFI has  
undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL Salem for one week from 26.11.2018 to 30.11.2018.

Salem - 636 007

Date: 30.11.2018 PRINCIPAL,  
SPISHANMUCHA COLLEGE OF  
ENGINEERING &  
TECHNOLOGY

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admin / HR),  
फार्या. महाप्रबंधक, भासनिलि, सेलम  
O/o. General Manager, BSNL, Salem



**BSNL**

*Connecting India*

भारत संचार निगम लिमिटेड

## BHARAT SANCHAR NIGAM LIMITED

( भारत सरकार का उद्यम )  
(A Govt. of India Enterprise)

सेलम एस.एस.ए

SALEM SSA

प्रशिक्षण प्रमाण पत्र

### COURSE CERTIFICATE

Certificate No. 404

*This is to certify that:*

Mr./Ms. S. VENNILA

studying II BE ECE

SRI SHANMUGHA COLLEGE OF ENGINEERING AND

TECHNOLOGY, SANKAGIRI has

undergone training in 'Fundamentals of Telecommunications' conducted by  
BSNL, Salem for one week from 26.11.2018 to 30.11.2018

Salem - 636 007

Date: 30.11.2018

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.

सहायक महाप्रबंधक (प्रशा / मा सं)

Asst. General Manager (Admn / HR),

कार्या. महाप्रबंधक, भारानिलि, रोलग

O/o: General Manager, BSNL, Salem

**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. of India Enterprise)  
THANJAVUR SSA, THANJAVUR - 613 007.

CERTIFICATE NO. 434

**CERTIFICATE**

This is to certify that Sri V. Phiyya.....  
..... student of Sri Shanmuga College of Engineering & Technology, Sankagudi, Thanjavur - 613 007  
has undergone "Fundamentals of Telecom" in our Organisation  
from 27.11.2018 to 01.12.2018 at Thanjavur

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULIPALAYAN, TUTUR-613 004.

BHARAT SANCHAYA NIGAM LIMITED  
(A Govt. of India Enterprise)  
THANJAVUR SSA, THANJAVUR - 613 007.

CERTIFICATE NO. 133

**CERTIFICATE**

This is to certify that Selvi. K. Tamilagounder  
..... student of Sri. Shanmuga College of Engg.  
Techology, Sankagiri - SALEM  
has undergone "Fundamentals of Telecom" in our Organisation  
from 27.11.2018 to 01.12.2018 at Thanjavur

SRI SHANMUGA COLLEGE OF  
TECHNOLOGY,  
SANKAGIRI(MORIJ)-637304  
SALEM(DT), T.N.

STATE : TAMIL NADU



# Prasar Bharati

India's Public Service Broadcaster

All India Radio

Coimbatore - 641 045.

No. : Cbe - 11(4)2015-16 E / IT /

Dated : 30.11.2018

## Certificate

This is to Certify that Shri / Selvi. R. PRAVEEN KUMAR

Student of Sri SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY Studying in

B.E. - ECE

has undergone in - plant training from 26.11.2018

to

30.11.2018

at All India Radio, Coimbatore.

PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
DEPUTY DIRECTOR ENGINEERING  
SALEM(DT) T.N.

एस. कलैसेल्वी/S.KALISELVI  
ASSISTANT DIRECTOR (ENG)

ALL INDIA RADIO, COIMBATORE



# Prasar Bharati

India's Public Service Broadcaster

All India Radio

Coimbatore - 641 045.

No. : Cbe - 11(4)2015-16 E / IT/

Dated : 30.11.2018

## Certificate

This is to Certify that Shirt / Selvi R. THENPANDIVAN

Student of SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY Studying in  
B.E. - ECE

has undergone in - plant training from: 26.11.2018 to 30.11.2018 *closed*  
at All India Radio, Coimbatore.

SRI SHANMUGHA PRINCIPAL,  
COLLEGE OF ENGINEERING & TECHNOLOGY,  
Deputy Director Engineer  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
ASSISTANT DIRECTOR (ENGG)  
ALL INDIA RADIO, COIMBATORE

एस. कलाईसू/ S.KALASEE  
प्राप्ति निवेदन (अधिकारी)  
ASSISTANT DIRECTOR (ENGG)



# Prasar Bharati

India's Public Service Broadcaster

All India Radio

Coimbatore - 641 045.

No. : Coe - 11(4)2015-16 E / IT /

Dated : 30.11.2018

## Certificate

This is to Certify that Shri / Sevi N. UDHAYA

Student of SRI SHAKTISHA COLLEGE OF ENGINEERING & TECHNOLOGY studying in  
B.E - ECE

has undergone in - plant training from 26.11.2018 to 30.11.2018 over  
at All India Radio, Coimbatore.

Deputy Director, Engineering & Technical Services  
B. L. S. K. S. KALISELVI

Mr. B. L. S. KALISELVI  
S. E. S. Officer (Training)  
All India Radio, Coimbatore  
ALL INDIA RADIO, COIMBATORE



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

### BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0354

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that ..... K. SHABEENI .....

2017-21. Year Student of Sri Shanmuga College of Engineering & Technology.

with Roll No. 18 TEC 001 has undergone the Training on Fundamentals of Telecom

from 26.11.18 to 30.11.18 in this organisation.

Date : 30.11.18.

Place: Erode.

P. A. Iyer  
Asst. General Manager (Admn.)  
O/o. General Manager, BSNL,  
Erode - 638 001.  
  
PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR - 637 304,  
(T.N.(T.H.), SALEM (D.T.), T.N.



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

**BHARAT SANCHAR NIGAM LIMITED**

(A Government of India Enterprise)

No. 0349

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that ..... S. YUVRAJ .....

2017-21 Year Student of Sri Shanmuga College of Engineering & Technology

with Roll No. 17ECE0524 has undergone the Training on Fundamentals of Telecom

from ..... 26.11.2018 ... to ..... 30.11.2018 ... in this organisation.

Date : 30.11.18

Place : Erode.

*R. Ganesh*  
Asst. General Manager (AO&HR)  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
O/o. General Manager (TECHNOLOGY,  
SANKAGIRI, TIRUCHIRAPPALAM, MORUR-637 304,  
Erode - 638 008, TIRUCHIRAPPALAM, T.N.

# भारत संचार निगम लिमिटेड

(भारत संचार का उद्यग)

## BHARAT SANCHAR NIGAM LIMITED

No. 0356

(A Government of India Enterprise)

ईरोड एसएसए / ERODE SSA

### OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.

This is to certify that ..... K. Vasudevan .....

2017-21. Year Student of Sri. Shanmugha College of Engineering & Technology,

with Roll No. 17EC047, has undergone the Training on Fundamentals of Telecom ..

from ..... 26.11.2018 ... to ..... 30.11.2018 ... in this organisation.

Date : 30.11.18.

Place : Erode.

*P. J. Henry*  
Asst. General Manager  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
SALEM ALAYAM, MORUR-637 304.  
Erode - 638 001 (TK), SALEM (D), T.N.

# भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

## BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0352

ईरोड़ एसएसए / ERODE SSA

### OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.

Z

This is to certify that .....

M. ISHWARYA .....

10

2017-21 Year Student of Sri Shanmuga College of Engineering  
4 Technology

10

with Roll No. 17EC013 ... has undergone the Training on Fundamentals of Telecom

from ..... 26.11.2018 ..... to ..... 30.11.2018 ..... in this organisation.

Date : 30.11.18.

Place : Erode.

  
Asst. General Manager (ADMIN & HR),  
SRI SHANMUGA COLLEGE OF  
GENERAL MANAGEMENT & TECHNOLOGY,  
Erode, PHILIP PULAYAM, MORUR-637304,  
SANKAGIRI(TK), SALEM(DT), T.N.



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

### BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0353

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that S. DIVYADHARSHINI:

2017-21 Year Student of Sri Shanmugha College of Engineering

with Roll No. 17EC009, has undergone the Training on Fundamentals of Telecom

from 26.11.2018 to 30.11.2018 in this organisation.

Date : 30.11.18,

Place : Erode.

*R. R.*  
PRINCIPAL  
Asst. General Manager  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
O/o. General Manager BSNL, MORUR-637304,  
SAKKAGIRI(TK), SALEM(DT), T.N.  
Erode - 638 001



## भारत संचार निगम लिमिटेड

(आरत सरकार की उद्यम)

### BHARAT SANCHAR NIGAM LIMITED

No. 0348

(A Government of India Enterprise)

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that ..... M.C. ARUNKUMAR .....

2017-21. Year Student of Sri Shanmugha College of Engineering,  
Technology & Technology

Roll No. 17EC 003 has undergone the training on Fundamentals of Telecom

from ..... 26.11.2018 to ..... 30.11.2018 in this organisation.

Date : 30.11.18.

Place : Erode.

P. D.  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
TULLALAVYAM, TIRUCHIRAPALAI, T.N.  
Asst. General Manager (Training & HR)  
O/o. General Manager, BSNL,  
Erode - 638 001.



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्योग)

### BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0351

ईरोड़ एसएसए / ERODE SSA

#### OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.

This is to certify that ..... J. ROHINI .....

2017-21 Year Student of Sri Shanmugha College of Engineering  
with Roll No. 17EC 034, has undergone the Training on Fundamentals of Telecom

from ..... 26.11.2018 ... to ..... 30.11.2018 ... in this organisation.

Date :

Place : Erode.

*V. J. D.*  
PRINCIPAL  
BRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULUPAI AYAM, MORUNGAL 637 304,  
Asst. General Manager (Admin) #44R44K, SALEM 630 011,  
O/o. General Manager, BSNL,  
Erode - 638 001.



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यग)

### BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

ईरोड एसएसए / ERODE SSA

No. 0346

#### OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.

This is to certify that ..... K. PALANISAMY .....

2017-21 Year Student of Sri Shanmuga College of Engineering  
and Technology

with Roll No. 17EC026 has undergone the Training on Fundamentals of Telecom

from ... 26.11.2018 ... to ... 30.11.2018 ... in this organisation.

Date : 30.11.18.

Place : Erode.

R. J. [Signature]  
Asst. General Manager (Admin & HR)

O/o. General Manager, BSNL  
Erode - 638 001.

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
TIRUMALA, MOORAKKAL, TIRUCHIRAPPALLI,  
TAMIL NADU, 637 304.  
(Autonomous), SALEM(DT), T.N.



## भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

### BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0350

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that ..... K. KOKILA .....

2017-18 Year Student of Sri Shanmuga College of Engineering  
with Roll No. 17EC018 has undergone the Training on Fundamentals of Telecom

from ..... 26.11.2018 to 30.11.2018 in this organisation.

Date : 20.11.18.

Place : Erode.

  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY  
PULLIYANMANI  
TIRUCHIRAPPALLI - 620 001

P. Jeyaraj  
Asst. General Manager (Admn & HR)  
O/o. General Manager, BSNL,  
Erode - 638 001.

# भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

## BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0344

ईरोड़ एसएसए / ERODE SSA

### OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.

This is to certify that ... S. Suguna Devi .....

2017-21. Year Student of Sri Shanmuga College of Engineering & Technology.

with Roll No. 17EC041 has undergone the Training on Fundamentals of Telecom

from ... 26.11.2018 ... to ... 30.11.2018 ... in this organisation.

Date : 30.11.18

Place : Erode.

*asst*  
PRINCIPAL  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLUPALAYAM, MORUR-637304.  
SANKAGRIMI, SALEM DISTT, T.N.

*P. Jay*  
Asst. General Manager (Admin & HR)  
O/o. General Manager, BSNL,  
Erode - 638 001.

# भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

## BHARAT SANCHAR NIGAM LIMITED

(A Government of India Enterprise)

No. 0345

ईरोड एसएसए / ERODE SSA

**OFFICE OF THE GENERAL MANAGER, ERODE - 638 001.**

This is to certify that E. SATHIYAPRIYA

2017-21. Year Student of Sri Shanmugha College of Engineering & Technology.

with Roll No. 17EC0238 has undergone the Training on Fundamentals of Telecom

from 26.11.2018 to 30.11.2018 in this organisation.

Date : 30.11.18.

Place : Erode.

  
Asst. General Manager (Admn & HR)  
O/o. General Manager, BSNL,  
Erode - 638 001.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304  
SANKAGIRI (K), TIRUMALA T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC & NBA (CSE, ECE & MECH)]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901**

# Mechanical Engineering



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

### FEEDBACK ANALYSIS REPORT FOR ACADEMIC YEAR 2018-2019

#### ➤ STUDENTS' FEEDBACK:

Requesting for video lectures, industrial visit on thermal engineering, thermodynamics related subjects by using modern tools, more classes on ansys simulations lab experiments, auto-cad 2D & 3D software training, development of new models to understand the mechanisms, for Internship in automobile sector.

#### ➤ COMPLIANCE:

NPTEL video lectures on thermal engineering using modern tools are shown to students and they are asked to develop models using the domain specific faculty. More number of lab sessions on simulation laboratory are allocated and the students are instructed to make use of the lab hours effectively. Industrial visit is arranged to the students in PRD rigs and exporters as to make them to understand the automobile sectors.

#### ➤ ALUMNI FEEDBACK:

Suggested to provide enhanced software training and communication training in the 2<sup>nd</sup> year itself so that the students become familiar with the same which would enable them to locked placements in design companies, to spare more time for doing projects so as to facilitate them to experiment more samples.

#### ➤ COMPLIANCE:

Software training on solidworks and AutoCAD were arranged for the students through industrial experts and internal faculty. Special communication classes were conduct to the students by internal placement team. Students were made to do their projects from 7<sup>th</sup> semester end onwards. Placement cell made the needful for the visit of more number of designing companies to the institution. Alumni are asked to keep in touch with their juniors so as to project them the current scenario regarding the work filed.

#### ➤ TEACHERS' FEEDBACK:

Request for advance software training, communication to the students so as to enhance their knowledge on new and innovative technology, for additional hours for completion of syllabus of analytical papers, insisted to increase the quantum of resources so as to



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[Approved by AICTE, Affiliated to Anna University and Accredited by NAAC ]  
Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304  
Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

enable the students to do their mini project during the working days under their direct supervision.

#### **COMPLIANCE:**

Updated software trainings such as solidworks and AutoCAD are given to students. Extra hours are allocated for the faculties based on the intensity of syllabus and additional sessions are allotted for those faculties who are handling analytical subjects so as to enable students to practice more number of problems and thus to become thorough with the subjects. Students are equipped with maximum resources so as to enable them to complete their mini project during the college working days under the direct supervision of the faculty.

#### **EMPLOYERS' FEEDBACK:**

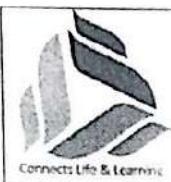
Requested to provide intensive training for students to secure placement in the detailing companies, invite Alumni to interact with students and appraise them the hardships being faced in acquiring knowledge after placement and to provide communication training on various languages such as English, Japanese and German through Placement Training Cell, as there is massive scope in abroad.

#### **COMPLIANCE:**

Adequate training on communication skill development is imparted to students through Placement and Training Cell. Alumni who got their placement in the reputed core companies are all invited and they address the students and describes the ground realities before and after getting into the industry.

**HEAD OF THE DEPARTMENT,  
DEPT. OF MECHANICAL ENGINEERING,  
Sri Shanmuga College of Engg. & Tech,  
PULLIPALAYAM, SANKARI-637 304.**

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).T.N,**



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

### DEPARTMENT OF MECHANICAL ENGINEERING

Date: 02.01.2019

From

The Head of the Department,  
Department of Mechanical Engineering,  
Sri Shanmuga College of Engineering and technology.  
Sankari

To

The Principal  
Sri Shanmuga College of Engineering and technology,  
Sankari

Respected Sir,

Subject: Permission letter for conducting certificate course for Mechanical Engineering student's reg.

With kind respect, I would like to inform you that CADD centre, Tiruchengode is going to conduct AUTO CAD training for II year mechanical Engineering students from 07.01.2019 to 10.01.2019. I assure that this training will be benefitted to our student for placement. So I request you to give permission to conduct this training for our student benefit. I have attached the training detail with this letter for your reference.

Thanking you

you.

Faculty Incharge

HoD/Mechanical

PRINCIPAL  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT). T.N.

Principal

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT). T.N.

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT). T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Date: 02.01.2019

SSCET/CTC/MECH/2019/2

### CIRCULAR

It is proposed to conduct the certificate training course is AUTO CAD on 07.01.2019 to 10.01.2019 for II year mechanical Engineering students. So all the students are advised to attend the program without fail.

**Session handling:** Er.R.Mahindran, B.E. CADD Centre, Tiruchengode Branch.

**Time:** 9.00 am to 5.00 pm

*you.*

Faculty Incharge

*20/01/19*

HoD/Mechanical

**HEAD OF THE DEPARTMENT,  
DEPT. OF MECHANICAL ENGINEERING,  
Sri Shanmugha College of Engg. & Tech.  
PULLIPALAYAM, SANKARI-637 304.**

#### **Copy to:**

1. Chairman/ Vice chairman for kind information
2. Circulate to all classes
3. Circulate to all class advisors
4. Department files

*ocash*  
**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.**

## Sri Shanmuga College of Engineering and Technology

Pullipalayam, Morur (Po), Sankari (Tl), Salem (Dt) Pin: 631 304, Tamil Nadu.  
(Approved by AICTE, New Delhi and Affiliate to Anna University)

### Certificate course

On

### Auto CAD

(07.01.2019 to 10.01.2019)

#### Course Co-ordinator

Mr.L.Prabu, M.E., (Ph.D)

Sri Shanmuga College of Engineering and Technology

#### Resource person

Er.R.Mahindran, B.E.

CADD Centre, Tiruchengode Branch.



Organized by

### Department of Mechanical Engineering

#### About the department:

Mechanical engineers are constantly pushing the boundaries of what is physically possible in order to produce safer, cheaper, and more efficient machines and mechanical systems. Huge opportunities exist for mechanical engineers and they are being employed in nearly every industry. The Department of Mechanical Engineering was established in the year 2011. The department is well poised to shape the students to become highly motivated Scientists, engineers, entrepreneurs, & policy makers needed to address complex societal issues.

The Department offers Under Graduate program in Mechanical Engineering leading to B.E degree graduate program. The department strives to enhance student interests in advances in mechanical

engineering, and impart high quality education through well-qualified & highly motivated faculty team, well- equipped laboratories, and instructional facilities. The department underscores the importance of recognizing that mechanical engineering education must be coupled with modern industry with practices giving hands-on opportunity for every student to relate theory with practice. The department's all around sound performance in every sphere of academic activity has a well enough proof that it is student focused.

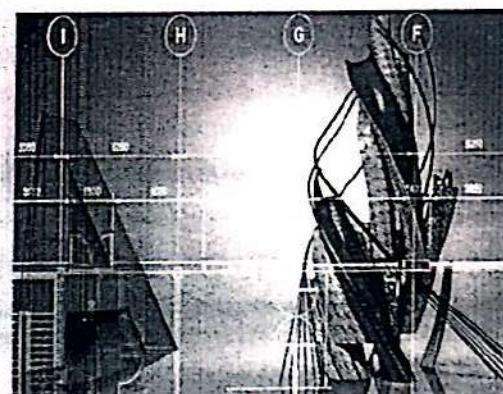
#### Vision of the department

To prepare competent mechanical engineers capable of working in an interdisciplinary environment contributing to society through innovation, leadership and entrepreneurship.

#### Mission of the department

- To offer quality education which enables them in professional practice and career
- To provide learning opportunities in the state-of-the-art research facilities to create, interpret, apply and disseminate knowledge in their profession
- To prepare the students as professional engineers in the society with an awareness of environmental and ethical values

#### About the Course:



Enrolling on an AutoCAD course or undertaking AutoCAD training is without doubt the best way to start building your 2D or 3D computer aided design skills as 2D drafting and 3D modelling form important core skills that are required across all design disciplines.

This course offers an extensive training portfolio and can deliver training at our nationwide Autodesk training centres, on your own premises or even online with our flexible or certified AutoCAD online training platform.

AutoCAD-training Businesses investing in CAD training are rewarded not only by increased productivity but in many cases by more innovative designs as the CAD user becomes familiar with the software and starts using it as an essential tool as opposed to wasting months trying to learn the software in a busy work environment.

This is why users who have often not undertaken structured Auto CAD training courses take much longer to become productive and effective users of AutoCAD software or any other design software for that matter.

Autodesk's computer aided design software has been developed for a number of different industry disciplines so our range of courses are broken down into basic 2D drafting courses for candidates needing to attend initial training and more advanced 2D and 3D AutoCAD courses for users that already have built up a foundation of AutoCAD knowledge but need to increase their skill set or learn one of the industry specific AutoCAD software solutions.

#### Basic AutoCAD Training Courses

AutoCAD LT Training and 2D AutoCAD Training - (AutoCAD without the headache) for candidates starting out or wishing to learn or brush up on first principles

AutoCAD Update Training - For existing users who want to upgrade their skills to the latest versions

Bentley Microstation to AutoCAD Training - This course is specifically designed for existing Microstation users who need to transition across to a 2D AutoCAD environment

#### Advanced AutoCAD Training

AutoCAD Intermediate Course - Beyond the basics this course is designed for the experienced AutoCAD user who requires additional training in AutoCAD

AutoCAD Advanced Training - This course is designed for existing AutoCAD users who require advanced training in AutoCAD. It incorporates the new and advanced features in AutoCAD 2013 along with techniques for creating, editing and printing drawings with AutoCAD

AutoCAD for the Power User - This courseware is designed for the experienced AutoCAD users who are typically senior operators or CAD Managers who need techniques for customizing AutoCAD for maintenance, implementing CAD Standards etc.

Custom AutoCAD Training - Tailored AutoCAD training is for candidates who wish to gain the specific skills from their CAD software by solving specific needs.

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM, MORUR-631 304.**

**Venue:** SSCET CAD lab, **SANKAGIRI(TK), SALEM(DT), T.N.**  
**Date:** 07.01.2019



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University ]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmuga.edu.in](http://www.shanmuga.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Year/Sem: T1

Subject: Auto CAD

## ASSEMBLY DRAWING – LATHE TAIL STOCK

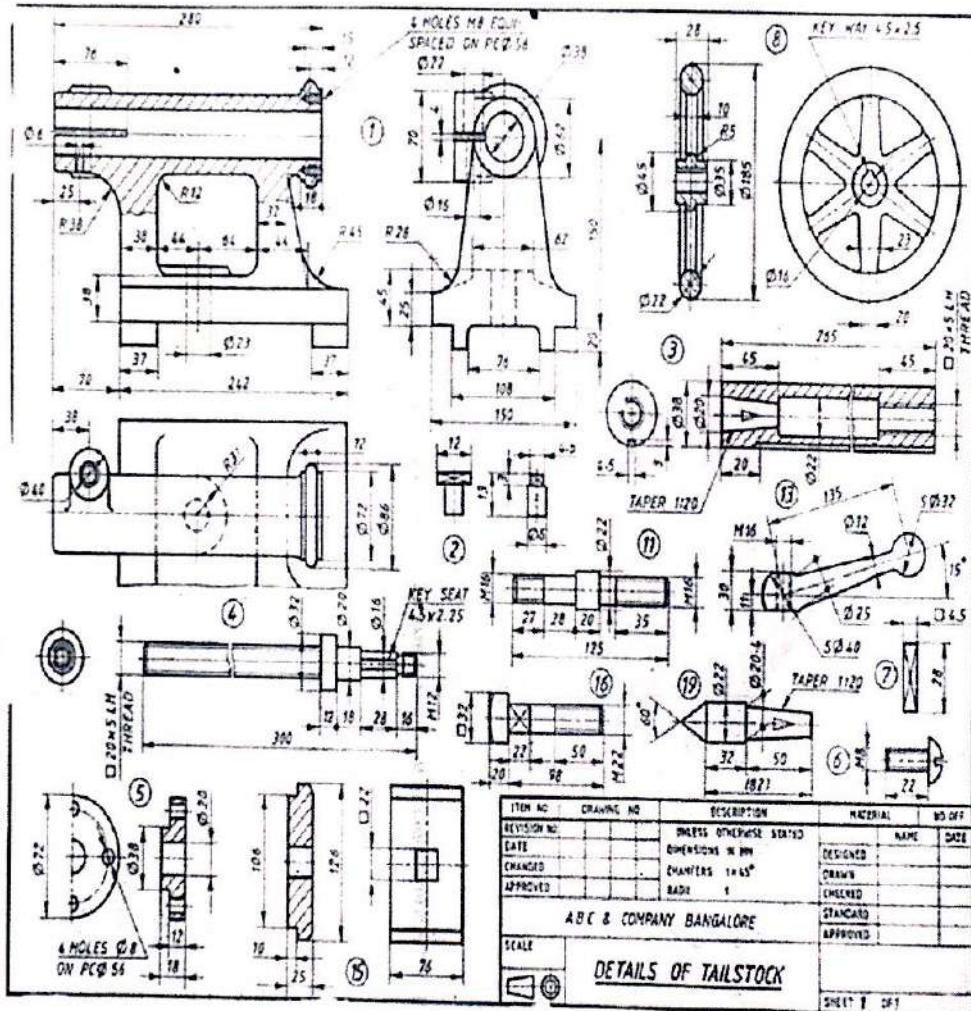
Name: M. Paresh  
Register no: 732512114020.

Register no: 732717114020

**Max marks: 30**

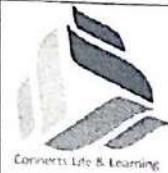
### **Marks Obtained:**

Design	Assembly
13	14



### **Course Incharge**

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK). SALEM(DT). T.N.**



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University ]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmuga.edu.in](http://www.shanmuga.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Year/Sem: 11

Subject: Auto CAD

ASSEMBLY DRAWING – LATHE TAIL STOCK

Name: M. Poojan

Register no: 732717114020

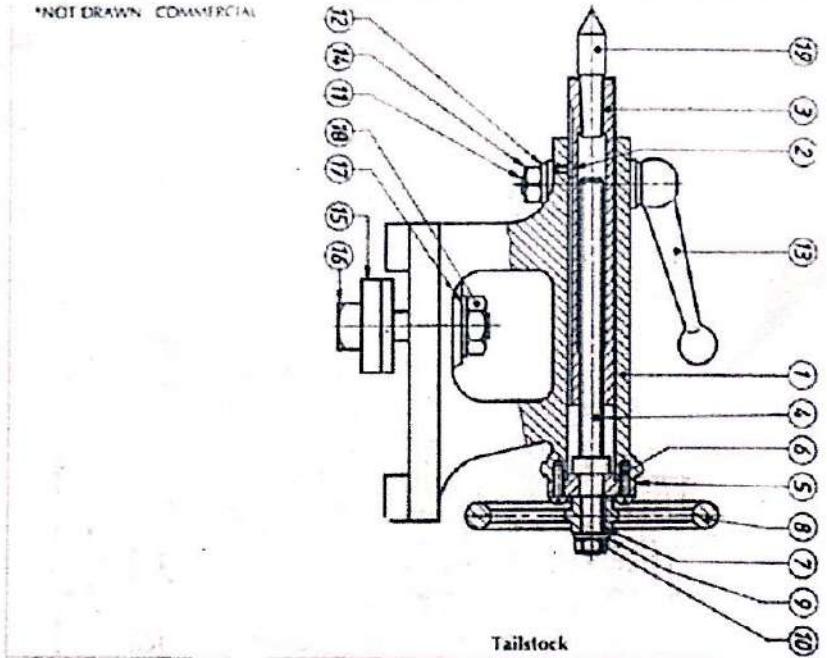
Max marks: 30

Marks Obtained:

Design	Assembly
13	15

PART NO.	DESCRIPTION	MATERIAL	NO. QTY	PART NO.	DESCRIPTION	MATERIAL	NO. QTY
1	BODY	CAST IRON	1	11	STUD	Fe 410 W	1
2	FEATHER	Fe 410 W	1	12	WASHER M12 STD	Fe 410 W	2
3	BARREL	CAST IRON	1	13	HANDLE	CAST IRON	1
4	SCREW SPINDLE	Fe 410 W	1	14*	HEX NUT M12	Fe 410 W	1
5	FLANGE	CAST IRON	1	15	CLAMPING PLATE	CAST IRON	1
6	SCREW	Fe 410 W	4	16	SO. HEAD BOLT	Fe 410 W	1
7	FEATHER KEY	Fe 410 W	1	17	WASHER M12 STD	Fe 410 W	1
8	HAND WHEEL	CAST IRON	1	18*	HEX NUT M22	Fe 410 W	1
9*	WASHER M12 STD	Fe 410 W	1	19	CENTRE	CAST STEEL	1
10*	HEX NUT M12	Fe 410 W	1				

\*NOT DRAWN COMMERCIAL



Course Incharge

SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT).T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University ]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Year/Sem: II

Subject: Auto CAD

## ASSEMBLY DRAWING – FLANGED COUPLING

Name: M. Poorni  
Register no: 732717114020.

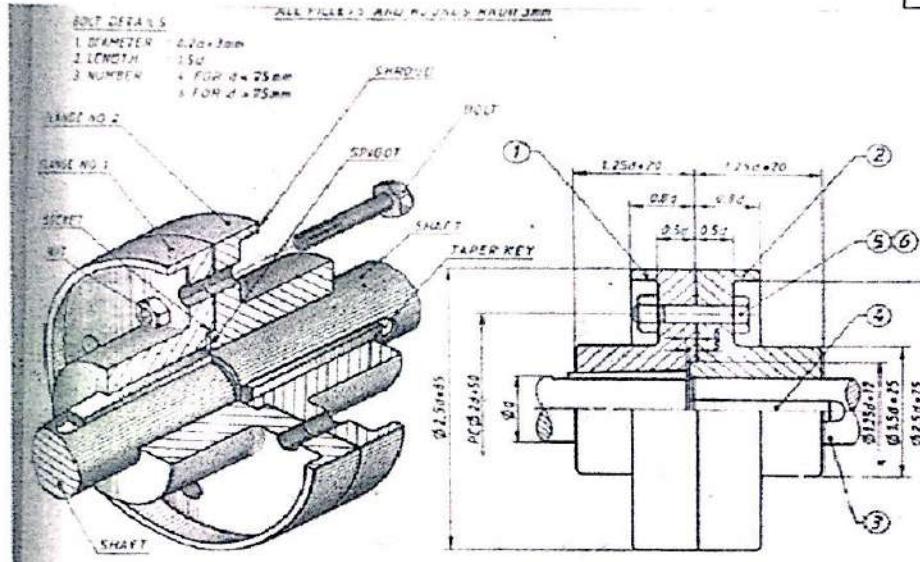
**Max marks: 30**

### **Marks Obtained**

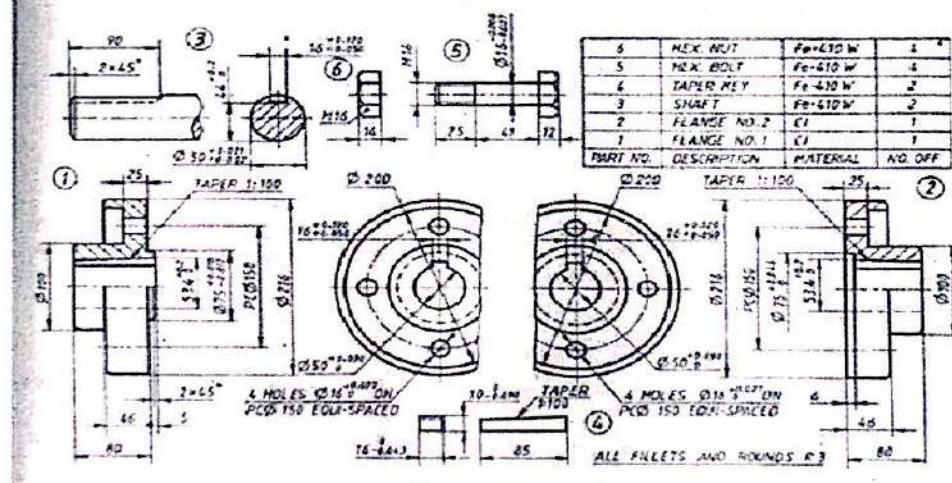
### **Marks Obtained:**

Design	Assembly
14	14

$$\frac{28}{30}$$



*All Dimensions in mm*  
**Flanged Coupling — Protected Type**  
 Fig. 16.9



### **Course Incharge**

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.**



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Year/Sem: II

Subject: Auto CAD

ASSEMBLY DRAWING – PLUMMER BLOCK

Name: M · Poozhami

Register no: 73271714020.

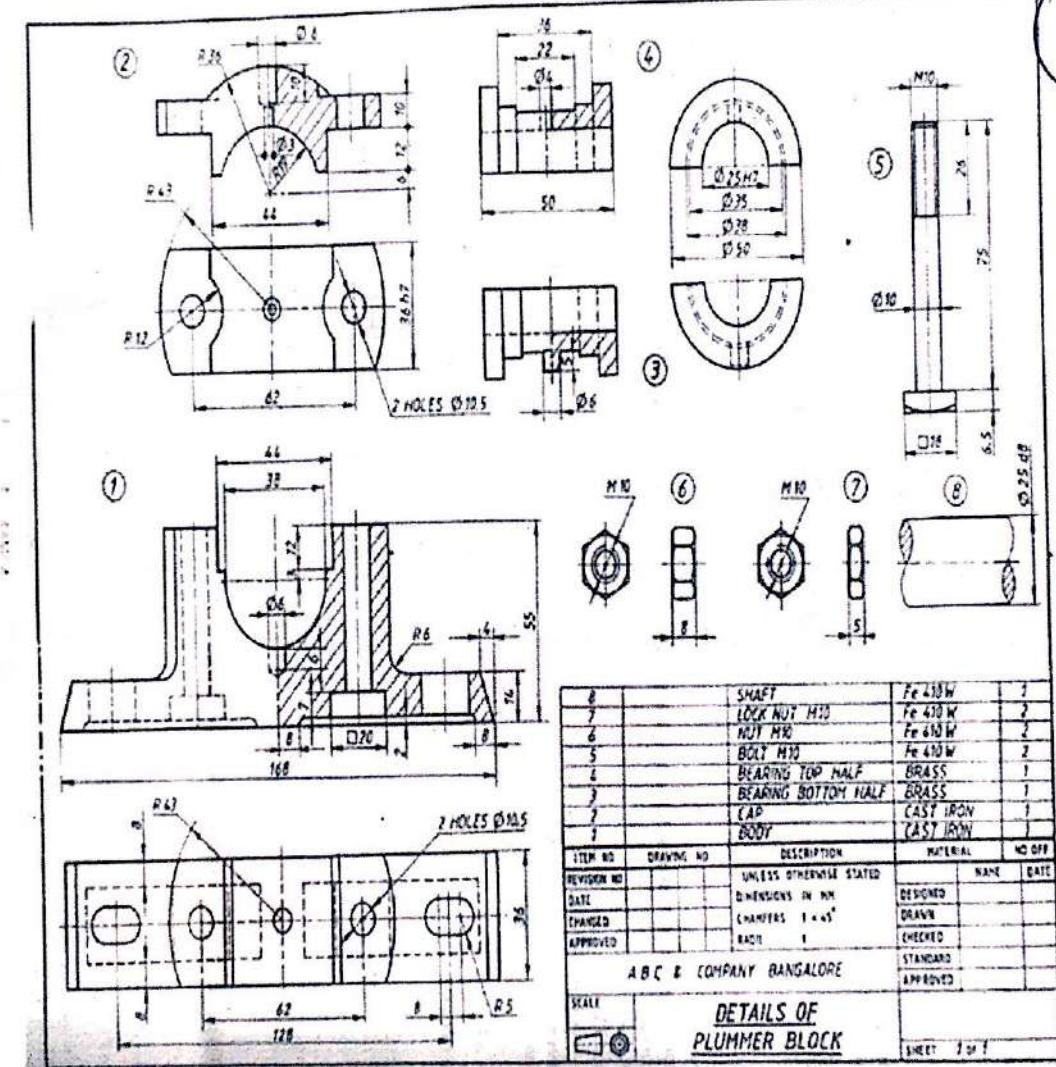
Max marks: 30

Marks Obtained:

Design	Assembly
13	14

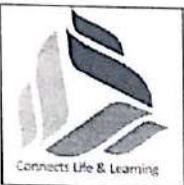
29  
30

You



Course Incharge

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
FULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University ]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

**Website:** [www.shanmugha.edu.in](http://www.shanmugha.edu.in) **Contact Number:** 04283-262901

Department of Mechanical Engineering

Year/Sem: 11

Subject: Auto CAD

## ASSEMBLY DRAWING – UNIVERSAL COUPLING

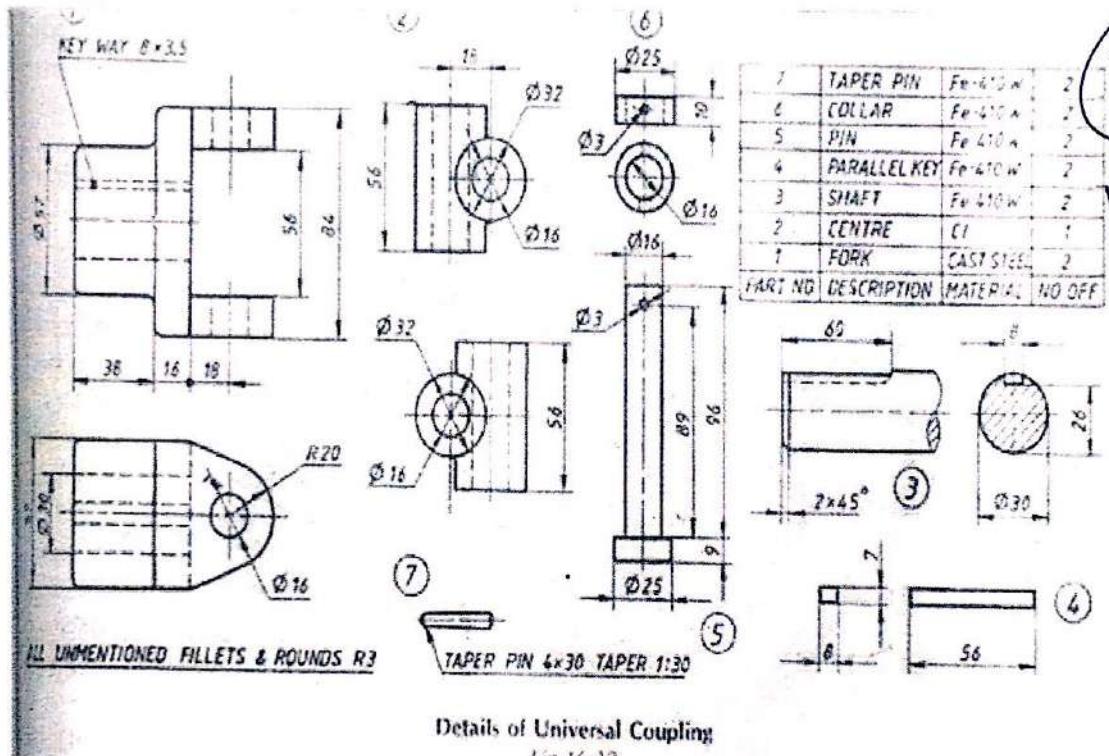
Name: രജു . പൂരാണി  
Register no: 22212114020.

Register no: 732917114020

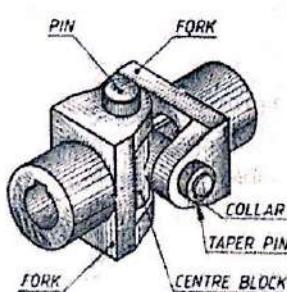
**Max marks: 30**

### **Marks Obtained:**

Design	Assembly
13	13



## Details of Universal Coupling



### **Universal Coupling**

Course Incharge

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIR(TK), SALEM(DT), T.N.**



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[Approved by AICTE, Affiliated to Anna University ]

Pullipalayam, Morur (Post), Sankari (Tk), Salem (Dt) – 637 304

Website: [www.shanmugha.edu.in](http://www.shanmugha.edu.in) Contact Number: 04283-262901

Department of Mechanical Engineering

Name:

Year/Sem:

Register no:

Subject: Auto CAD MCQ

Max marks: 20

Marks Obtained:

1-The following is not included in title block of drawing sheet.

- a. Sheet No
- b. Scale
- c. Method of Projection
- d.  Size of sheet

2-Which of the following represent reducing scale?

- a. 1:1
- b.  1:2
- c. 2:1
- d. 10:1

36  
45  
Yon

3-In first angle projection method, object is assumed to be placed in

- a.  First quadrant
- b. Second quadrant
- c. Third Quadrant
- d. Fourth quadrant

4-The following line is used for visible outlines

- a.  Continuous thick
- b. Continuous thin
- c. Chain thin line
- d. Short zigzag thin

5-The following line is used for dimension line

- a.  Continuous thick
- b. Continuous thin
- c. Chain thin line
- d. Short zigzag thin

6-The dotted lines represents

- a. Hidden edges
- b.  Projection line
- c. Centre line
- d. Hatching line

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



**Sri Shanmuga College of Engineering and Technology**  
**Department of Mechanical Engineering**  
**Academic Year -2018-19**

**Name of company:** CADD Center, Tiruchengode.

**Name of Certificate Course:** Auto CAD

**Name of trainer :** Mr.P.Mahindran

**Syllabus**

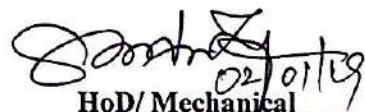
Preparation of production drawings and reading of part and assembly drawings, basic principles of geometric dimensioning & tolerance. Drawing, Editing, Dimensioning, Layering, Hatching, Block, Array, Detailing, Detailed drawing. Sketcher - Datum planes, Protrusion, Holes, Part modeling Extrusion, Revolve, Sweep, Loft, Blend, Fillet, Pattern, Chamfer, Round, Mirror Section

**Course duration:** 32 hours

**Time Table**

S.NO	DATE	TOPIC	DURATION
1	7.1.2019	Preparation of production drawings and reading of part and assembly drawings, basic principles of geometric dimensioning & tolerance.	8 Hrs
2	8.1.2019	Drawing, Editing, Dimensioning, Layering, Hatching, Block, Array, Detailing, Detailed drawing. Sketcher	8 Hrs
3	9.1.2019	Datum planes, Protrusion, Holes, Part modeling Extrusion, Revolve, Sweep	8 Hrs
4	10.1.2019	Practice of commands are Loft, Blend, Fillet, Pattern, Chamfer, Round, Mirror Section	8 Hrs.

  
Course Incharge

  
HoD/ Mechanical  
HEAD OF THE DEPARTMENT,  
DEPT. OF MECHANICAL ENGINEERING,  
Sri Shanmuga College of Engg. & Tech.,  
PULLIPALAYAM, SANKARI-637 304.

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM. MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

**Sri Shanmuga College of Engineering and Technology**



**Department of Mechanical Engineering**

**Academic Year 2018-19**

**Name of Certificate course:** Auto CAD

**Name of company:** CADD Center, Tiruchengode.

**Course Objective**

To make the students understand and interpret drawings of machine components

To prepare assembly drawings both manually and using standard CAD packages

To familiarize the students with Indian Standards on drawing practices and standard components

To gain practical experience in handling 2D drafting and 3D modeling software systems.

**Course Outcome:**

**On successful completion of this course, student will be able to**

C1	Follow the drawing standards, Fits and Tolerances
C2	Re-create part drawings, sectional views and assembly drawings as per standards

**CO-PO Mapping**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO 11	PO 12	PSO1	PSO2
C1	2	1	3	1	2			1	1			2	2	2
C2	2	1	3	1	2			1	1			2	2	2

**Level: High – 3, Medium -2, Low -1**

**Course Incharge**

**HoD/ Mechanical**

**HEAD OF THE DEPARTMENT,  
DEPT. OF MECHANICAL ENGINEERING,  
Sri Shanmuga College of Engg. & Tech,  
PULLIPALAYAM, SANKARI-637 304.**

**PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.**

**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**



**DEPARTMENT OF MECHANICAL ENGINEERING**

Attendance for AUTOCAD training

Academic Year 2018-19

Date: 07.01.2019

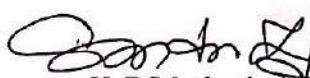
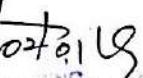
Venue: Computer lab

S.No	Year/ Sem	Register No.	Name of the Student	7.1.19	8.1.19	9.1.19	10.1.19
1	II/III	732717114001	Abishek S K	✓	✓	✓	✓
2		732717114002	Ajith Kumar N	✓	✓	✓	✓
3		732717114004	Barath R	✓	✓	✓	✓
4		732717114005	Bharaniidhar R	✓	✓	✓	✓
5		732717114006	Dharaneetharan S V	✓	✗	✓	✓
6		732717114007	Dinesh Kumar R	✓	✓	✓	✓
7		732717114008	Gokul Kannan T	✓	✓	✓	✓
8		732717114009	Gunasekaran C	✓	✓	✓	✓
9		732717114011	Jagadeesh Kumar S	✓	✓	✓	✓
10		732717114013	Keerthivasan V	✓	✓	✓	✓
11		732717114014	Kishorgowtham V	✓	✓	✓	✓
12		732717114015	Kumaravel M	✗	✓	✓	✓
13		732717114017	Mohanraj R	✓	✓	✓	✓
14		732717114018	Mohan Raj K	✓	✓	✓	✓
15		732717114019	Naveenkumar P	✓	✓	✓	✓
16		732717114020	Poorani M	✓	✓	✓	✓
17		732717114021	Prabakaran S	✓	✓	✓	✓
18		732717114023	Praveen K R	✓	✓	✓	✓
19		732717114024	Praveenkumar P	✓	✓	✓	✓
20		732717114025	Priyanka B	✓	✓	✓	✓
21		732717114026	Raja M	✓	✓	✓	✓
22		732717114027	Ranjith A	✓	✓	✓	✓
23		732717114028	Ravi P	✗	✗	✗	✗

  
**PRINCIPAL,**  
**SRI SHANMUGHA COLLEGE OF**  
**ENGINEERING & TECHNOLOGY,**  
**PULLIPALAYAM. MORUR-637 304.**  
**SANKAGIRI(TK).SALEM(DT).T.N.**

24	732717114029	Rukkeshvaran V	a	a	a	a
25	732717114030	Saaroon S	/	✓	✓	/
26	732717114032	Sakthivel A	✓	✓	✓	/
27	732717114033	Sasikumar M	✓	✓	✓	/
28	732717114034	Selvamurugan K	✓	✓	✓	/
29	732717114035	Suganeshwaran C	✓	✓	✓	/
30	732717114036	Sugunaraja S	✓	✓	✓	✓
31	732717114037	Sunilkumar S	a	a	a	a
32	732717114038	Surya Prakash R	✓	✓	✓	✓
33	732717114039	Tamilselvan B	✓	✓	✓	✓
34	732717114040	Thennarasu M	✓	✓	✓	✓
35	732717114041	Vallarasu M	✓	✓	✓	✓

  
Course Coordinator

  
HoD/Mechanical   
HEAD OF THE DEPARTMENT  
DEPT. OF MECHANICAL ENGG.  
Sri Shanmuga College of Engg. & Tech.  
PULLIPALAYAM, SANKAGIRI-637 304.

  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (P.O), Sankari (T.K), Salem (D.T).Pin. 637304.

### DEPARTMENT OF MECHANICAL ENGINEERING

#### Report on Certificate Training on Auto CAD

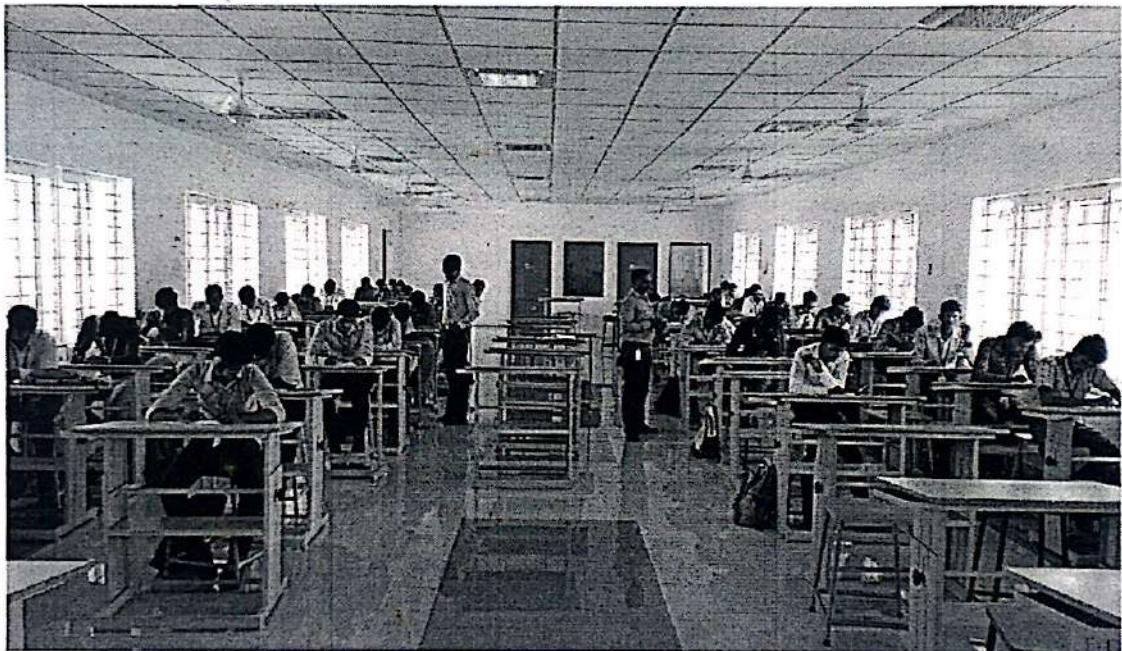
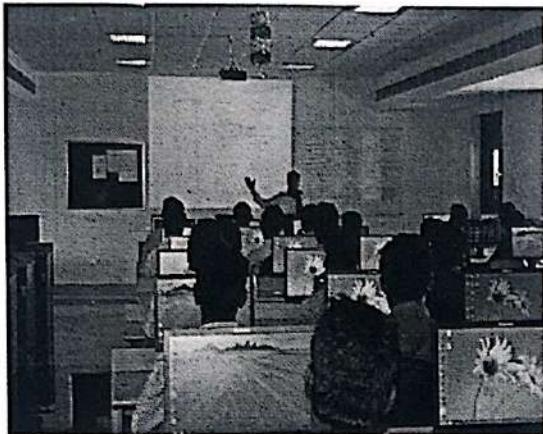
The department of Mechanical Engineering organized a Four days Certificate Training course on auto cad for 2<sup>nd</sup>, year students of mechanical Engineering successfully from 07.01.2019-10.01.2019. This Training provided the opportunity to the students to use auto cad. AutoCAD is a computer-aided software program used to create two dimensional and three-dimensional models of solid surfaces and meshes. AutoCAD is widely used and it helps in preventing product failures and warranty issues. With innovative ideas and creative imagination, the user can create realistic presentations with AutoCAD. It provides the necessary tools and workflow to design and build great products. AutoCAD is used by professionals across many industries to do everything from designing and creating different buildings, constructions, and infrastructure. AutoCAD enables companies to design and plan projects virtually. AutoCAD supports a powerful yet easier workflow that works correctly and helps the users to execute the commands effectively and precisely. The following are some of the major advantages of using auto cad:

1. Accurate and reduces errors.
2. Save time & money.
3. Easier data transfer.
4. Controllable in nature.
5. Database for manufacturing.
6. Easier Import/ export of files.
7. Apply Point Clouds and Layering feature
8. Calculation
9. Commands and Image tracing feature
10. PDF import enhancements

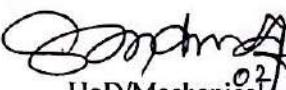
For Training, students were divided into groups (4 students per group) and each group performed the task to use of computer lab in the campus. After practical work students learned to conclude all the practical work in a map using Auto CAD. Overall the training was technically and

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

practically sound and the long term expected result is to make students which will help them in building the path of their carrier



  
Course Incharge

  
HoD/Mechanical  
02/01/09  
**HEAD OF THE DEPARTMENT,  
DEPT. OF MECHANICAL ENGINEERING,  
Sri Shanmuga College of Engg. & Tech.,  
PULLIPALAYAM, SANKARI-637 304.**

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MOUPU-637 304.  
SANKAGI (ITI), SIVAMDTI, T.N.

**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304



## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **CERTIFICATE OF EXCELLENCE**

This is to certify that Mr./Mrs. K. R. Praveen successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

*[Signature]*  
**COURSE COORDINATOR**

*[Signature]*  
**HEAD OF THE DEPARTMENT**

*[Signature]*  
**PRINCIPAL**

*[Signature]*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK).SALEM(DT).

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

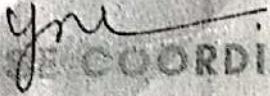
[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT), TAMILNADU 637304

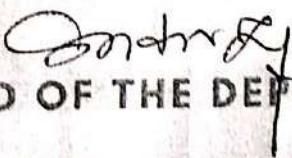


## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. M. Thennarasu successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

  
COURSE COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT), TAMILNADU 637304



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. S.Sugunaraja successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

Yogi  
COURSE COORDINATOR

Sandhya  
HEAD OF THE DEPARTMENT

Rajesh  
PRINCIPAL

A. Sasi  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK),SALEM(DT),T.N.

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304

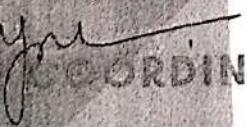


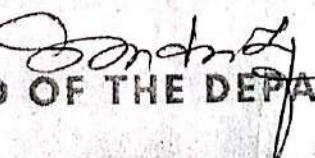
Connects Life & Learning

## DEPARTMENT OF MECHANICAL ENGINEERING

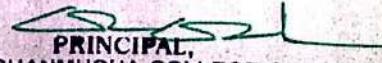
### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. S. Saroorn successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

  
COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304



Connects Life & Learning

## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. M. Raja successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

*Ym*

COORDINATOR

*Jothi*  
HEAD OF THE DEPARTMENT

*Chennai*  
PRINCIPAL

*Devi*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MOHR 637304,  
SANKAGIRI(TK), SALEM(DT), T.N.

**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304



## **DEPARTMENT OF MECHANICAL ENGINEERING**

### **CERTIFICATE OF EXCELLENCE**

This is to certify that Mr./Mrs. B. Priyanka successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

COORDINATOR

  
HEAD OF THE DEPARTMENT  
PRINCIPAL

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TK),SALEM(DT),T.N

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. M. Poorani successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

*you*  
COORDINATOR

*Sundaray*  
HEAD OF THE DEPARTMENT

*Sasi*  
PRINCIPAL

*Sasi*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304,  
SANKAGIRI(TK), SALEM(DT), T.N.

SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT), TAMILNADU 637304



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. C. Gunasekaran successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

COORDINATOR

  
HEAD OF THE DEPARTMENT  
PRINCIPAL

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304,  
SANKAGIRI(TN),SALEM(DT),T.N.

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT),TAMILNADU 637304



Connects Life & Learning

## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. V. KEERTHIVASAN successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

COORDINATOR

  
HEAD OF THE DEPARTMENT  
PRINCIPAL  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.

# SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

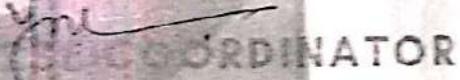
[AFFILIATED TO ANNA UNIVERSITY AND APPROVED BY AICTE, NEW DELHI]  
PULLIPALAYAM, SANKARI TALUK, SALEM (DT), TAMILNADU 637304

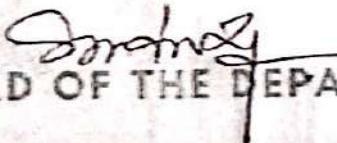


## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Mrs. R. Bharanidhar successfully completed the AUTO CAD training course on 07.01.2019 to 10.01.2019 at Sri Shanmuga College of Engineering and Technology, Organized by Department of mechanical Engineering.

  
COORDINATOR

  
HEAD OF THE DEPARTMENT

  
PRINCIPAL

  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MQRUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



# Sri Shanmuga College Of Engineering and Technology

Pullipalayam, Morur (Po), Sankari (Dt), Pin: 637 304, Tamil Nadu, Ph.: 04283 – 262999, 2612999, Fax: 04283-261799

(Approved by AICTE, New Delhi and Affiliated to Anna university)

Accredited by NAAC



Dr.R.RADHAKRISHNAN,M.E,Ph.D.,

PRINCIPAL

Ref: SSCET/INDUSTRIAL VISIT/052/MECH/2018

Date: 20.08.2018

To

The Director General of Police (Vigilance),  
10<sup>th</sup> floor, NPKRR Maligai,  
TNEB Ltd.,  
144, Anna Salai,  
Chennai-600002.

Dear Sir,

**Sub: Industrial Visit for our students – Reg.**

Greetings from Sri Shanmuga College of Engineering and Technology, Sankari, Salem.

It is to bring to your kind attention that Sri Shanmuga College of Engineering and Technology, Sankari, Salem is a fast growing technical institute in Tamilnadu. Academic rigour, commitment, communication skills and positive attitude are constantly inculcated to the students of SSCET. They are capable of displaying all.

As a part of the curriculum the students are required to undergo Industrial Visit in reputed company like yours, with this view we are endorsing the following bonafide students of our institute for your kind consideration and a favourable action. We like to propose the tentative date from 25/08/2018.

We would be thankful if you could offer the following students an opportunity to undergo the required training in your organization.

Thank you

*Seal*  
PRINCIPAL

Email:info@shanmughacollege.com/www.shanmuga.edu.in

*DR. R. RADHAKRISHNAN*  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK). SALEM(DT). T.N.

15.10.2018

From

Student Coordinators,  
Mechanical Department, Sri Shanmuga College of Engineering and Technology,  
Sankari-637304.

To

The Principal,  
Sri Shanmuga College of Engineering and Technology,  
Sankari-637304.

Through HOD/MECH,

Respected Sir,

Sub:Requisition for Industrial visit to Mettur-Reg.

We have received confirmation to visit the Thermal Power Plant on 25.10.2018. The Students of II year are willing to visit and learn power plant importance.

Therefore, We request you to grant us permission for the same, Please Kindly do the needful.

Thanking you,

Staff Coordinators

Mr.M Goudilyan, AP/MECH - Plz.

Mr.E.Gopinath, AP/MECH - Coy.

Student Coordinators

N.Ajith Kumar, II year N.Ajith Kumar.

P. Naveenkumar, II/year P.NA.

Submitted to principal.

Principal

PRINCIPAL

Sad 21  
19/10/18.

Principal

PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK).SALEM(DT).T.N.



## SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

### Department of Mechanical Engineering

#### Industrial Visit on 25.10.2018 Travel Plan

S.No.	Time	Plan
1	7.30 am	Dispatch from college
3	9.30 am	Thermal Power Plant visit
4	12.00 pm – 1.00 pm	Lunch
5	1.00 pm	Thermal Power Plant visit
6	4.00pm	Refreshment
7	5.30pm	Starting to college
8	8.00pm	Reaching college

HOD

PRINCIPAL

PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.



**SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY**

Pullipalayam, Morur (Po) - 637 304, Sankari (Tk), Salem (DT)

Department of Mechanical Engineering

Academic Year: 2018 – 19

Industrial Visit-Name list

Thermal Power Plant, Mettur

Dated on 25.10.2018

S.NO.	Register Number	Name of the student	Year
1	732717114001	Abishek S K	
2	732717114002	Ajith Kumar N	
3	732717114004	Barath R	
4	732717114005	Bharanidhar R	
5	732716114006	Dharaneetharan S V	
6	732717114007	Dinesh Kumar R	
7	732717114008	Gokul Kannan T	
8	732717114009	Gunasekaran C	
9	732717114011	Jagadeesh Kumar S	
10	732717114013	Keerthivasan V	
11	732717114014	Kishorgowtham V	
12	732717114015	Kumaravel M	
13	732717114017	Mohanraj R	
14	732717114018	Mohan Raj K	
15	732717114019	Naveenkumar P	
16	732717114020	Poorani M	
17	732717114021	Prabakaran S	
18	732717114023	Praveen K R	
19	732717114024	Praveenkumar P	
20	732717114025	Priyanka B	
21	732717114026	Raja M	
22	732717114030	Saaron S	
23	732717114032	Sakthi Vel A	
24	732717114033	Sasikumar M	
25	732717114034	Selvamurugan K	
26	732717114035	Suganeshwaran C	
27	732717114036	Sugunaraja S	
28	732717114038	Surya Prakash R	
29	732717114039	Tamilselvan B	
30	732717114040	Thennarasu M	
31	732717114041	Vallarasu M	
32	732717114042	Ranjith K S	
Staff list			
1	Mr.M Goudilyan, AP/MECH		
2	Mr.E.Gopinath, AP/MECH		

*Jandhy*  
24/10/18.  
HOD / MECH.

*Scod*

PRINCIPAL

*Scod*  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY

Pullipalayam, Morur- 637 304, Sankari (TK), Salem (DT)

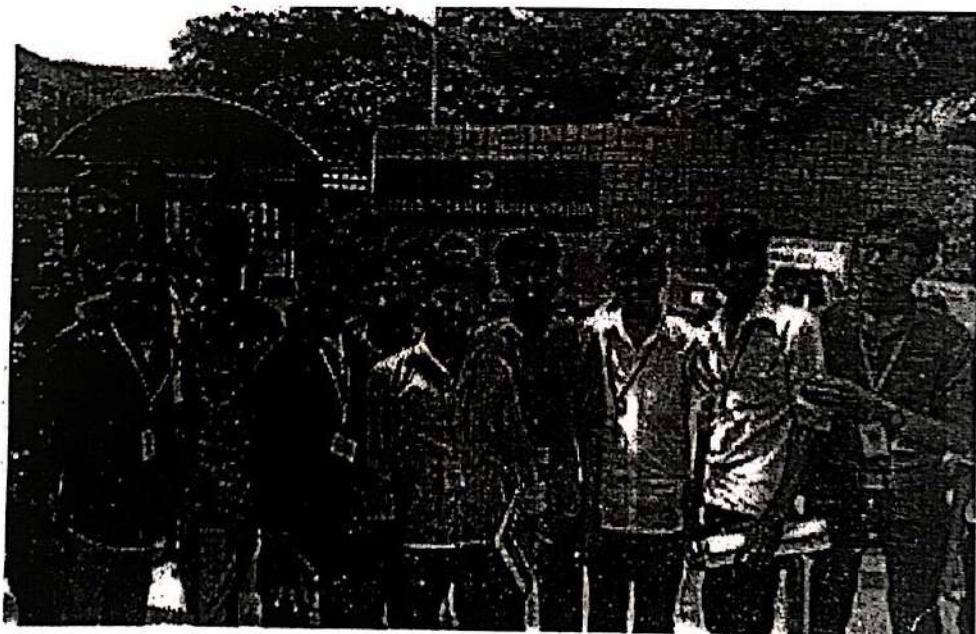
Department of Mechanical Engineering

Date: 25/10/2018

## INDUSTRIAL VISIT REPORT

The Mettur Thermal Power Station is a coal-fired electric power station located in [Thoppur-Mettur Dam-Bhavani-Erode Rd, Mettur, Tamil Nadu 636406] Salem district of Tamil Nadu. It is operated by Tamil Nadu Generation and Distribution Corporation Limited. The power station was commissioned during various periods from 1987 and this is the first inland thermal Power Station of TANGEDCO.

In the forenoon at 9:30 am we visited to Mettur Thermal Power Station. We divided our students in the batch of 8 students per batch for the visit and the interaction with the industry person. The Technical Head of Mettur Thermal Power Station conducted very informative session for the students. Also he motivated to the students to select their domain and area of interest. He also guided the students to select the areas like Thermal, Hmt, etc. and its importance in the current technology. Finally he gave a brief introduction of Mettur Thermal Power Station and other tamilnadu to the students.



  
PRINCIPAL,  
SRI SHANMUGHA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUR-637 304.  
SANKAGIRI(TK), SALEM(DT), T.N.

The session was concluded with Question- Answer session. Many of the students asked different questions to the Technical Head on current demanding technologies, market scenarios etc. and he cleared all the doubt and myths which was in students mind about the technologies and power sector. All students were satisfied after the session. Company motivated to the students by giving token of affection in the form of diary & pen. The visit came to an end at 5.00 p.m.

Finally, we left the premises at 5.30 p.m. It was an informative, interesting and a successful visit. As students of Mechanical Engineering, they understand a live power plant working and importance of power plant selection, etc. We express our thanks to the Technical Head and all team members of Mettur Thermal Power Station. who spent their valuable time for us. We also thank to our respected Director/Principal and HOD who motivate us to arrange such an informative program. Lately we request you to arrange more industrial visit in the future for the students which will be helpful for the students and help to train our students.

Mr.M Goudilyan, AP/MECH

M.G  
Coy

Mr.E.Gopinath, AP/MECH

Faculty Coordinator

N. Agithkumar  
P. Nam  
yours truly

  
PRINCIPAL,  
SRI SHANMUGA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
PULLIPALAYAM, MORUP-637304.  
SANKAGIRI(TK), SALEM(DT), T.N.