



# CITY ENGINEERING COLLEGE

Approved by AICTE New Delhi & Affiliated by VTU, Belagavi  
Doddakallasandra, Off Kanakapura Main Road,  
Next to Gokulam Apartment, Bangalore - 560 062.



## CRITERION 1 – CURRICULAR ASPECTS

**KEY INDICATOR:** 1.2 Academic Flexibility.

**Metric Number:** 1.2.2 Percentage of students enrolled in certificate/Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years.

List of Value added courses/Certificate Courses, online courses of MOOCs, SWAYAM, NPTEL etc.

Academic Year 2019-20

Sl. No.	Name of VAC/Certificate Course
1.	Advance pipe stress analysis
2.	Course on Plumbing
3.	Engineer your career



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Academic Year 2019 – 2020**

**Course**

**On**

**Advance Pipe Stress Analysis**

**Date 07-10-19 to 11-10-19**



**CITY**  
ENGINEERING COLLEGE

Date: 03-10-2019

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Course on “Advance Pipe Stress Analysis”.

Respected Sir,

We would like to conduct a Course on “Advance Pipe Stress Analysis” for final year students from Date 7-10-19 to 11-10-19. It helps the student to have an understanding of how Plumbing Engineer supports the Mechanical Engineer for the plumbing systems outside the building including storm water, sewer, natural gas, fire suppression water, domestic water, irrigation water, and other special water and waste systems.

So, I request you to permit us to conduct this course. Kindly do the needful.

Yours Sincerely

Dr.S.Karunakara

HOD



Ref.No: CEC/ME/C1/ACY2019-20/01

Date: 04/10/2019

## **CIRCULAR**

**Sub:** Conducting a Course on Advance Pipe Stress Analysis

This is to inform all the final-year students that our department is going to conduct a 5-day Course on “Advance Pipe Stress Analysis” from Date 07-10-19 to 11-10-19. Thank you for your attention and we look forward to your active participation.

Dr. S.Karunakara

HOD





## **CITY ENGINEERING COLLEGE**

(Approved by AICTE New Delhi & Affiliated by VTU,  
Belagavi)

Near Metro Station, Doddakallasandra  
Bangalore – 560 062.

### **Value Added Course on Advance Pipe Stress Analysis**

Date: 07-10-19 to 11-10-19

Venue : Seminar Hall

#### **Organized by**

Department of Mechanical Engineering  
City Engineering College  
Bangalore-560062

[www.cityengineeringcollege.ac.in](http://www.cityengineeringcollege.ac.in)

### **Advisory Committee**

#### **Chief Patron**

#### **Dr. K R Paramahamsa**

MBA, L.L.B., Ph.d. (USA), D. Litt,  
Honorable Chairman  
AMC – City Group of Institutions.

#### **Patrons**

#### **Smt. Geetha Paramahamsa**

Honorable Vice Chairperson,  
AMC – City Group of Institutions.

#### **Ms. Monica Kalluri**

Honorable Vice – President  
AMC – City Group of Institutions.

#### **Mr. Rahul Kalluri**

Honorable Executive – President  
AMC – City Group of Institutions.

#### **Dr. V.S. Ramamurthy**

Principal, City Engineering college

#### **Dr. Jyothi. P**

Vice Principal, HOD,  
Dept of Mathematics, CEC.

### **About College**

City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 19 years with sophisticated infrastructure as a part of the Institution's commitment to provide higher quality education in the area of Engineering. The highly facilitated landmark building – provides a perfect ambience for creativity and learning. City Engineering College is known for its academic excellence, friendly welcoming atmosphere and community spirit. Over large number of full time students study here in a wide range of programs. It is a center of talented, experienced teachers who inspire and energize the students to achieve the best.



About the Department of Mechanical Engineering	Expert Speakers for the Program	About Advance Pipe Stress Analysis
<p>The Department of Mechanical Engineering was established in 2005 with an annual intake of 120 students in the undergraduate Programme. The Department of Mechanical Engineering has state-of-the-art laboratories; these laboratories not only satisfy the curriculum requirements of the students very lucidly but also provide additional facilities to enhance the practical knowledge. The department consists of a team of well qualified teaching staff having Master degrees and Doctorates. The staff members of the Mechanical Department have taken up projects funded by external agencies like KSCST, VGST and VTU. The department received a grant of Rs. 5 Lakh in the year 2019 from VGST to carry out research on Advanced Materials in Green Energy. The Department also has a Research center approved by VTU.</p>	<p><b>Shri Chetan K</b> Construction Industry Development Academy, Bangalore</p> <p><b>Convener</b> <b>Dr. S. Karunakara</b> Professor and Head, Department of Mechanical Engineering.</p> <p><b>Coordinator</b> <b>Mr. Veeresh Naik</b> Assistant Professor, Department of Mechanical Engineering.</p>	<p>Advanced pipe stress analysis is a testing method that uses specialized software and techniques to evaluate the structural integrity and performance of piping systems under various operating conditions. It can help engineers understand how piping systems respond to different loads, such as pressure, temperature, weight, and fluid. This information can help engineers assess the flexibility and stiffness of pipes, and identify potential risks of fatigue and failure. Advanced pipe stress analysis can also help engineers provide design recommendations and documentation.</p>



**CITY**  
ENGINEERING COLLEGE

## Department of Mechanical Engineering

### Course on Advance Pipe Stress Analysis

#### Schedule

Academic Year: 2019-20

Venue: Seminar Hall

Date	Session 1	Session 2	Lunch Break (1:30 – 2:00)	Session 3
	(9:15 – 11:15)	(11:30 – 1:30)		(2:00 – 4:00)
07-10-2019	Basic Stress Concept Role of Stress Engineer	Basic Stress Strain Theories		Basic Engineering concepts required for stress analysis
08-10-2019	Theories of failure Concept of stress Range	Different types & functions of Pipe support		Design system for Sustain, Expansion & Occasional Loading
09-10-2019	Support span Calculations Preparing stress Critical line list	Stress System formation		Storage Tank-pump system modelling
10-10-2019	Column-heat exchanger model	WRC-107 analysis		Spring design & Modelling in Caesar II
11-10-2019	Bellow Design & Modelling in Caesar II	Equipment Modelling	Flange Leakage Stress Intensification Factor	

**Course Coordinator**

Mr. Veeresh Naik  
Assistant Professor  
Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD  
Department of Mechanical Engineering





**CITY**  
ENGINEERING COLLEGE

## **Department of Mechanical Engineering**

### **Course on Advance Pipe Stress Analysis**

#### **Course Content**

**Module-1** Basic Stress Concept Role of Stress Engineer, Basic Stress Strain Theories

**Module-2** Basic Engineering concepts required for stress analysis Theories of failure Concept of stress Range Theory of load case generation

**Module-3** Different types & functions of Pipe support Design system for Sustain, Expansion & Occasional Loading Support Span Calculations Preparing stress Critical line list

**Module-4** WRC-107 analysis WRC-297 nozzle flexibility PSV force calculation/ Slug force Stress System formation Storage Tank-pump system modelling Column-heat exchanger model Rupture disk calculation Overview of Critical Systems viz. : Turbine; Pump; Column, Air Fine Cooler etc

**Module-5** Spring design & Modelling in Caesar II Bellow Design & Modelling in Caesar II Overview of API 610 Equipment Modelling Pipe Rack Caesar II Model Flange Leakage Stress Intensification Factor

**Course Coordinator**

Mr. Veeresh Naik  
Assistant Professor  
Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD  
Department of Mechanical Engineering





**CITY**  
ENGINEERING COLLEGE

## **Department of Mechanical Engineering**

### **Course on Advance Pipe Stress Analysis**

#### **Resource Person Profile**



**Shri Chetan K,  
Construction Industry Development Academy, Bangalore**

- Shri Chetan K is a highly esteemed academic leader and a prominent figure in the realm of construction industry.
- He created big opportunities for engineering graduates to get trained and certified and work in the smart city.
- CIDA announces three months training program for engineers (civil mechanical electrical, electronics and communication, information science and computer science) also graduates from other streams (B.Sc., B.com etc.).
- CONSTRUCTION INDUSTRY DEVELOPMENT ACADEMY in collaboration with INDIAN CENTRE FOR SOCIAL TRANSFORMATION (ICST) organized many programs on smart governance.



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Advance Pipe Stress Analysis**  
**Student List**

SL NO	USN	NAME
1	1CE14ME078	SHREYAS GOWDA K
2	1CE14ME096	LINGESH NAIK T
3	1CE14ME097	SIDDAPPA KASHINATH
4	1CE14ME098	FAKKIRESH ALUR
5	1CE15ME007	BHARATH KUMAR M
6	1CE15ME010	GAGAN RAMAKRISHNA
7	1CE15ME011	IKRAAM SIDDIQUI
8	1CE15ME018	KAUSHIK PG
9	1CE15ME021	VENKATESHWARAN
10	1CE15ME022	MAHESH D
11	1CE15ME028	MIRJAN MOHAMMED
12	1CE15ME032	MOHAN
13	1CE15ME035	NAWAZ SHARIFF
14	1CE16ME001	ABHISHEK A
15	1CE16ME003	AKHILESH RAO
16	1CE16ME005	ARUN B
17	1CE16ME006	ARVIND RAO E
18	1CE16ME007	BIJAY KUMAR YADAV
19	1CE16ME008	DEEPU R
20	1CE16ME009	DHANUNJAY
21	1CE16ME010	DHANUSH GOWDA
22	1CE16ME011	GAGAN H S
23	1CE16ME014	HEMANTH K R
24	1CE16ME016	KARTHIK G P
25	1CE16ME024	NEHAL AHMAD
26	1CE16ME026	NITISH T
27	1CE16ME028	PAWAN KUMAR YADAV
28	1CE16ME029	PRADEEP CN
29	1CE16ME031	PUNITH RAJ L C
30	1CE16ME034	SANTOSH KUMAR R
31	1CE16ME035	SHASHANK PATIL
32	1CE16ME036	SRINIVAS RAO
33	1CE16ME037	SUDARSHAN
34	1CE16ME038	TANUNANDANA D S
35	1CE16ME041	VIGNESH D
36	1CE16ME412	CHETHAN GADDI
37	1CE16ME409	MANJUNATH PN
38	1CE16ME422	SACHIN DS
39	1CE16ME435	VIRUPAKSHAPPA ARAKERI
40	1CE17ME403	VINAY KUMAR



# CITY

ENGINEERING COLLEGE

Department of Mechanical Engineering  
Course on Advance Pipe Stress Analysis

Attendance List

SL NO	USN	NAME	07-10-2019	08-10-2019	09-10-2019	10-10-2019	11-10-2019	
1	ICE14ME078	SHREYAS GOWDA K	P	P	P	P	A	SSK
2	ICE14ME096	LINGESH NAIK T	P	A	P	P	P	Lingesht.
3	ICE14ME097	SIDDAPPA KASHINATH	P	P	P	P	P	Siddappa.
4	ICE14ME098	FAKKIRESH ALUR	P	P	P	A	P	Alur.
5	ICE15ME007	BHARATH KUMAR M	A	P	P	P	P	Bharathm
6	ICE15ME010	GAGAN RAMAKRISHNA	P	P	P	P	P	Gagan R.
7	ICE15ME011	IKRAAM SIDDIQUI	P	P	A	P	P	Sub
8	ICE15ME018	KAUSHIK PG	P	P	P	P	P	Kaushik P.O.
9	ICE15ME021	VENKATESHWARAN	P	P	P	P	P	Venki
10	ICE15ME022	MAHESH D	P	P	A	P	P	Mahesh D
11	ICE15ME028	MIRJAN MOHAMMED	P	P	P	P	P	Mirjan.
12	ICE15ME032	MOHAN	P	P	P	P	P	Mohan.
13	ICE15ME035	NAWAZ SHARIFF	P	P	P	P	P	Nawaz
14	ICE16ME001	ABHISHEK A	P	P	P	P	P	Abhi
15	ICE16ME003	AKHILESH RAO	P	P	P	P	P	Akhil
16	ICE16ME005	ARUN B	P	A	P	P	P	Arun
17	ICE16ME006	ARVIND RAO E	A	P	P	P	P	Arvind
18	ICE16ME007	BIJAY KUMAR YADAV	P	P	P	P	A	Bijay
19	ICE16ME008	DEEPU R	P	P	P	A	P	Deepu
20	ICE16ME009	DHANUNJAY	P	P	P	P	P	Dhanunjay
21	ICE16ME010	DHANUSH GOWDA	P	P	P	P	P	Dhanush
22	ICE16ME011	GAGAN H S	P	P	P	P	P	Gagan
23	ICE16ME014	HEMANTH K R	P	P	P	P	P	Hemant
24	ICE16ME016	KARTHIK G P	P	P	P	P	P	Karthik
25	ICE16ME024	NEHAL AHMAD	P	P	P	P	P	Nehal
26	ICE16ME026	NITISH T	P	P	P	P	P	Nitish
27	ICE16ME028	PAWAN KUMAR YADAV	P	P	P	P	P	Paw
28	ICE16ME029	PRADEEP CN	P	P	P	P	P	Pradeep
29	ICE16ME031	PUNITH RAJ L C	P	P	P	P	P	Pu
30	ICE16ME034	SANTOSH KUMAR R	P	P	P	P	P	Santosh
31	ICE16ME035	SHASHANK PATIL	P	P	P	P	P	Shashank
32	ICE16ME036	SRINIVAS RAO	P	P	P	P	P	Sriniv
33	ICE16ME037	SUDARSHAN	P	P	P	P	P	Sudarshan
34	ICE16ME038	TANUNANDANA D S	P	P	P	P	P	Tanuna
35	ICE16ME041	VIGNESH D	P	P	P	P	P	Vignesh
36	ICE16ME412	CHEZHAN GADDI	P	P	P	P	P	Chethan
37	ICE16ME409	MANJUNATH PN	P	P	P	P	P	Manjunath
38	ICE16ME422	SACHIN DS	P	P	P	P	P	Sachin
39	ICE16ME435	VIRUPAKSHAPPA ARAKERI	P	P	P	P	P	Virup
40	ICE17ME403	VINAY KUMAR	P	P	P	P	P	Vinay

*Keeresh*

*Skandan*





**CITY**  
ENGINEERING COLLEGE

## Department of Civil Engineering Course on Advance Pipe Stress Analysis

### Assessment

1. Which of the following is not a component of plumbing water supply system?

- a) **Washbasin**
- b) Water supply and distribution pipes
- c) Valves
- d) Storage tanks

2. Which of the following is not a component of the plumbing drainage system?

- a) Water closets
- b) **Taps**
- c) Vent pipes
- d) Urinals

3. According to the Indian Standard recommendations, a water requirement of \_\_\_\_\_ per head per day is assumed for residential buildings.

- a) 50 litres
- b) 115 litres
- c) **135 litres**
- d) 160 litres

4. Light gauge copper tubes are used for general purpose work where the pressure is not more than  $0.15 \text{ N/mm}^2$ .

- a) **True**
- b) False

5. Which of the following is not true about lead pipes?

- a) Lead pipes are highly resistant to corrosion
- b) **They have a low hydraulic coefficient of flow**
- c) Lead pipes are highly flexible
- d) When lead goes into solution, it has a cumulative poisoning effect

6. Which of the following is not true about plastic pipes?

- a) Plastic pipes are cheaper than the metal pipes
- b) Plastic pipes are light in weight
- c) Plastic pipes can be installed with ordinary tools
- d) **Plastic pipes are corrosive**

7. The diameter of main service pipe may vary from \_\_\_\_\_

- a) 2-15 mm
- b) **12-40 mm**
- c) 50-75 mm
- d) 60-80 mm



**CITY**  
ENGINEERING COLLEGE

8. \_\_\_\_\_ is used to measure flows to domestic buildings.

- a) Rain gauge
- b) Water tank
- c) Drainpipe
- d) Water meter**

9. Which among the following is used to block up the pipe on one end?

- a) plug**
- b) union
- c) tee
- d) cross

10. Gate valve is used in pipe line to water flow in?

- a) one direction**
- b) both direction
- c) any direction
- d) none of the above

11. Which one of the following is used for holding pipes more than 63 mm and up to 200 mm?

- a) Pipe wrench
- b) Pipe vice
- c) Chain pipe vice**
- d) Footprint wrench

12. Pipe fitting used to close the end of a pipe with internal thread is called?

- a) plug**
- b) tee
- c) cross
- d) elbow

13. Wrench used for turning large diameter pipes?

- a) adjustable wrench
- b) pipe wrench
- c) strap wrench
- d) chain wrench**

14. Glove valve is used in pipe line to let water flow in?

- a) one direction
- b) both direction**
- c) any direction
- d) none of the above

15. Which one of the following is used to separate the connection without disturbing the pipeline?

- a) union**
- b) plug
- c) socket



**CITY**  
ENGINEERING COLLEGE

d) cross

16. \_\_\_\_\_ is used to measure the flow velocity across a cross-section with a known area.

**a) Inferential meter**

b) Anemometer

c) Speedometer

d) Barometer

17. Inferential meters can be used for both low and high flows.

a) True

**b) False**

18. Which of the following is used to make a branch right angle to the main line in pipe fitting?

a) plug

**b) Tee**

c) cross

d) elbow

19. Which of the following is used for connecting two pipes of different diameters?

a) coupling

b) tee

c) caps

**d) reducer**

20. In a water distribution system AC pipe joints are by.....

a) Socket spigot joint

**b) Detachable collar joint**

c) Threaded joint

d) All of these

21. A rain water pipe discharge drains into

a) Closed drain

**b) Open drain**

c) Both A & B

d) None of these

22. This pipe prevents the syphonic action in a trap

a) Syphon pipe

**b) Antisyphon pipe**

c) Sub main vent pipe

d) None of these

23. Vent pipe height is maintained from the parapet wall of building.

**a) 60cm**

b) 90 cm

c) 100cm

d) 150cm





**CITY**  
ENGINEERING COLLEGE

24. This fitting is fitted on the top vent pipe

- a) End cap
- b) Shoe
- c) Vent cowl**
- d) None of these

25. Bends have.....Threads.

- a) External**
- b) Internal
- c) Both A & B
- d) All of these



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Advance Pipe Stress Analysis**

**Assessment Marks**

SL NO	USN	NAME	Marks
1	1CE14ME078	SHREYAS GOWDA K	23
2	1CE14ME096	LINGESH NAIK T	20
3	1CE14ME097	SIDDAPPA KASHINATH	21
4	1CE14ME098	FAKKIRESH ALUR	22
5	1CE15ME007	BHARATH KUMAR M	19
6	1CE15ME010	GAGAN RAMAKRISHNA	19
7	1CE15ME011	IKRAAM SIDDIQUI	22
8	1CE15ME018	KAUSHIK PG	21
9	1CE15ME021	VENKATESHWARAN	23
10	1CE15ME022	MAHESH D	24
11	1CE15ME028	MIRJAN MOHAMMED	23
12	1CE15ME032	MOHAN	20
13	1CE15ME035	NAWAZ SHARIFF	21
14	1CE16ME001	ABHISHEK A	22
15	1CE16ME003	AKHILESH RAO	19
16	1CE16ME005	ARUN B	19
17	1CE16ME006	ARVIND RAO E	22
18	1CE16ME007	BIJAY KUMAR YADAV	21
19	1CE16ME008	DEEPU R	23
20	1CE16ME009	DHANUNJAY	23
21	1CE16ME010	DHANUSH GOWDA	20
22	1CE16ME011	GAGAN H S	21
23	1CE16ME014	HEMANTH K R	22
24	1CE16ME016	KARTHIK G P	19
25	1CE16ME024	NEHAL AHMAD	19
26	1CE16ME026	NITISH T	22
27	1CE16ME028	PAWAN KUMAR YADAV	23
28	1CE16ME029	PRADEEP CN	20
29	1CE16ME031	PUNITH RAJ L C	21
30	1CE16ME034	SANTOSH KUMAR R	23
31	1CE16ME035	SHASHANK PATIL	23
32	1CE16ME036	SRINIVAS RAO	20
33	1CE16ME037	SUDARSHAN	21
34	1CE16ME038	TANUNANDANA D S	22
35	1CE16ME041	VIGNESH D	19
36	1CE16ME412	CETHAN GADDI	19
37	1CE16ME409	MANJUNATH PN	22
38	1CE16ME422	SACHIN DS	21
39	1CE16ME435	VIRUPAKSHAPPA ARAKERI	23
40	1CE17ME403	VINAY KUMAR	24



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Advance Pipe Stress Analysis**

**Feedback Analysis**

**Sample Feedback**

Name of the Participant	Course objectives were stated clearly and met	The Course content was well organized	Course enhanced my skills	Classes were interesting and interactive	Give overall rating
GAGAN H S	Agree	Agree	Agree	Agree	Good
HEMANTH K R	Neutral	Neutral	Neutral	Neutral	Good
KARTHIK G P	Agree	Agree	Agree	Agree	Good
NEHAL AHMAD	Agree	Agree	Agree	Neutral	Excellent
NITISH T	Agree	Agree	Neutral	Neutral	Average
PAWAN KUMAR YADAV	Neutral	Neutral	Neutral	Agree	Good
PRADEEP CN	Agree	Agree	Neutral	Agree	Good
PUNITH RAJ L C	Neutral	Neutral	Agree	Neutral	Excellent
SANTOSH KUMAR R	Agree	Neutral	Agree	Agree	Average
SHASHANK PATIL	Agree	Neutral	Agree	Agree	Good







**CITY**  
ENGINEERING COLLEGE

Date:11/10/2019

To,

K.L. Mohan Rao,

President,  
CIDA, Bangalore

**Dear Chetan K,**

**Subject: Letter of appreciation for conducting Course on Advance Pipe Stress Analysis.**

We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the **Course on Advance Pipe Stress Analysis** from 7<sup>th</sup> to 11<sup>th</sup> October 2019 conducted by, Department of Mechanical Engineering, City Engineering College, Bangalore.

Thanking You,

**Sincerely,**

**Dr. V.S. Ramamurthy**  
Principal  
CEC



**Department of Mechanical Engineering**  
**Course on Advance Pipe Stress Analysis**

**Course Objectives**

After completion of the course, the trainees should be able to:

1. Get familiarising with the tools and equipment.
2. Gain knowledge about tools, equipment & material used in piping work.
3. Gain knowledge about different types of pipes and fittings.
4. Acquire knowledge about skills how to install various types of WCs with flushing cistern, wash basin, sink etc. & their connection with water supply line.

**Course Outcomes**

The students will be able to:

1. Use of various plumbing tools and equipment while doing plumbing work.
2. Install and repair water supply/waste water drainage line and sanitary fittings and fixtures.
3. Various safety rules related to plumbing work.
4. Timely rectification of the problem/issue.
5. Negotiation skills.

**Course Coordinator**

Mr. Veeresh Naik  
Assistant Professor  
Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD  
Department of Mechanical Engineering



**CITY**  
ENGINEERING COLLEGE

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**REPORT OF COURSE ON ADVANCE PIPE STRESS ANALYSIS**

During the academic year 2019-20, the Department of Mechanical Engineering organized a Course on Advance pipe Stress Analysis from 7<sup>th</sup> to 11<sup>th</sup> October 2019 at Seminar Hall of the Computer Science Department for final year Mechanical engineering students.



Fig:1 Shri Chetan K delivering the speech to students

The Piping Engineering responsibilities overlap into the professional engineering areas of Mechanical Engineering, Chemical Engineering, Fire Protection Engineering, and Process Engineering. Traditionally the Pipe Stress analysis performs the calculations, sizes the equipment, and prepares the design and construction documents under the supervision of a licensed Mechanical, Fire Protection or Civil, Professional Engineer in the following stages:

- Design of Process and Fluid Flow Systems
- Design of Plumbing Systems
- Design of Heat and Energy Transfer Systems.

On 11<sup>th</sup> October 2019, the students accompanied with Faculty members visited M/s. Supreme Industries located at Nelamangala.M/s. Supreme Industries is the renowned leader of India's plastic industry having valuable experience in providing innovative and cost-effective piping solution. The company's objective is to meet the growing needs in the field of water, waste management and infrastructure sector through specially developed high-performance range of piping products. This industry has played vital role in transformation of conventional piping products to advance piping products in the country and termed as "Trend setters in plastic piping" and is prominently strong in piping segment.

**Course Coordinator**

Mr. Veeresh Naik  
Assistant Professor  
Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD  
Department of Mechanical Engineering





**CITY**  
ENGINEERING COLLEGE

## **CERTIFICATE OF PARTICIPATION**

**From the Department of Mechanical Engineering this certificate is proudly presented to**

**MAHESH D**

**1CE15ME022**

**In Recognition of his/her valuable participation in the Five days' Course on**

**Advance Pipe Stress Analysis From 07th to 11th October 2019.**

*S Karunakara*

**HOD**

**Dr. S.KARUNAKARA**

*Ramamurthy*

**PRINCIPAL**

**Dr. V.S. RAMAMURTHY**



**CITY**  
ENGINEERING COLLEGE

## **CERTIFICATE OF PARTICIPATION**

**From the Department of Mechanical Engineering this certificate is proudly presented to**

**MOHAN**

**1CE15ME032**

**In Recognition of his/her valuable participation in the Five days' Course on  
Advance Pipe Stress Analysis From 07th to 11th October 2019**

*S Karunakara*

**HOD**  
**Dr. S.KARUNAKARA**

*Ramamurthy*

**PRINCIPAL**  
**Dr. V.S. RAMAMURTHY**



Doddakallasandra, Bangalore-560061

---

**Department of Civil Engineering**  
**Academic Year 2019 – 2020**

**Course**

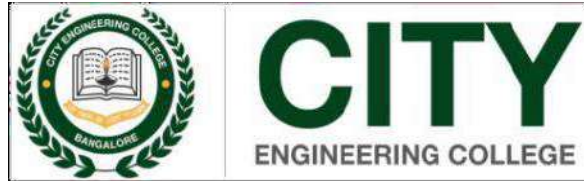
**On**

**Plumbing**

**Date 07-10-19 to 11-10-19**

ATTESTED COPY

*Skandan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
KANDASAPUR MAIN ROAD, BANGALORE - 560 081



Doddakallasandra, Bangalore-560061

Date: 03-10-2019

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Course on “Plumbing”.

Respected Sir,

We would like to conduct a Course on “Plumbing” for final year students from Date 7-10-19 to 11-10-19. It helps the student to have an understanding of how Plumbing Engineer supports the Civil Engineer for the plumbing systems outside the building including storm water, sewer, natural gas, fire suppression water, domestic water, irrigation water, and other special water and waste systems.

So, I request you to permit us to conduct this course. Kindly do the needful.

Yours Sincerely

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

ATTESTED COPY  
  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Doddakallasandra Main Road, Bangalore - 560061





Doddakallasandra, Bangalore-560061

Ref. No: CEC/CED/C1/1.2.1/ACY2019-20/OR/01

Date: 04/10/2019

## **CIRCULAR**

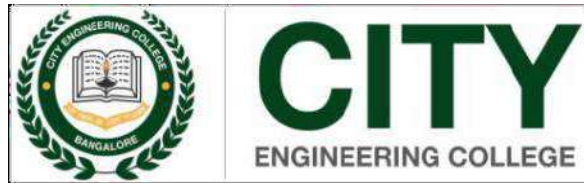
**Sub:** Conducting a Course.

This is to inform all the final-year students that our department is going to conduct a 5-day Course on “Plumbing” from Date 07-10-19 to 11-10-19. All final year students contact the respective coordinator to participate in this Course.

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
KJUGASAPUR Main Road, BANGALORE - 560 061



Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Course on Plumbing

#### Brochure

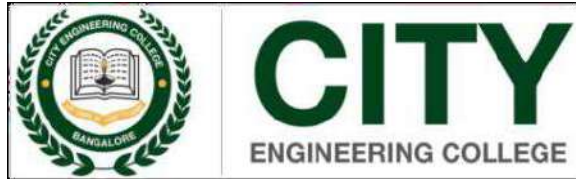
 <p><b>CITY ENGINEERING COLLEGE</b> (Approved by AICTE New Delhi &amp; Affiliated by VTU, Belagavi) Near Metro Station, Doddakallasandra Bangalore – 560 062.</p> <p><b>Value Added Course on Plumbing</b></p> <p>Date: 07-10-19 to 11-10-19 Venue : Seminar Hall</p> <p><b>Organized by</b> Department of Civil Engineering City Engineering College Bangalore-560062</p> <p><a href="http://www.cityengineeringcollege.ac.in">www.cityengineeringcollege.ac.in</a></p>	<p><b>Advisory Committee</b></p> <p><u>Chief Patron</u></p>  <p><b>Dr. K R Paramahansa</b> MBA, L.L.B., Ph.D. (USA), D.Litt. Honorable Chairman AMC – City Group of Institutions.</p> <p><u>Patrons</u></p> <p><b>Smt. Geetha Paramahansa</b> Honorable Vice Chairperson, AMC – City Group of Institutions</p> <p><b>Ms. Monica Kalluri</b> Honorable Vice – President AMC – City Group of Institutions.</p> <p><b>Mr. Rahul Kalluri</b> Honorable Executive – President AMC – City Group of Institutions</p> <p><b>Dr. V.S. Ramamurthy</b> Principal, City Engineering college, Bangalore.</p> <p><b>Dr. Jyothi. P</b> Vice Principal, HOD, Dept of Mathematics, CEC</p> <p><u>Convenor</u></p> <p><b>Dr. Thippeswamy H N</b> Professor and Head, Civil Engineering Department, CEC</p> <p><u>Coordinator</u></p> <p><b>Mr. Vinay Kumar S N</b> Assistant Professor Dept. of Civil Engineering, CEC</p>	<p><b>About College</b></p> <p>City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 19 years with sophisticated infrastructure as a part of the Institution's commitment to provide higher quality education in the area of Engineering. The highly facilitated landmark building – provides a perfect ambience for creativity and learning. City Engineering College is known for its academic excellence, friendly welcoming atmosphere and community spirit. Over large number of full time students study here in a wide range of programs. It is a center of talented, experienced teachers who inspire and energize the students to achieve the best.</p>
---	---	--

<p><b>About the Civil Engineering Department</b></p> <p>The Department of Civil Engineering was started in the year 2011 with an intake of 60 and further increased to 120 in the year 2014 to impart Quality Technical Education to the aspirants of Civil Engineering. The Department has well stocked library, state of the art Class rooms and Laboratories. The Department has formed Club – RACE - Royal Association of Civil Engineers. The aim of the club is to bridge the gap between Academics and the Industry. RACE in association with the Experts in the Field/ Industry has arranged several programs, workshops, Industrial Visits for the benefit of faculty and the students and to keep them abreast with the latest knowledge and industry challenges.</p>	<p><b>Expert Speakers for the Program</b></p> <p><b>Shri K.L. Mohan Rao</b> <b>Chairman,</b> <b>Skill Development Builders</b> <b>Association of India.</b> <b>President,</b> <b>Construction Industry</b> <b>Development Academy,</b> <b>Bangalore</b></p>	<p><b>About Plumbing</b></p> <p>A Plumbing value-added course is designed to help the student to have an understanding of how Plumbing Engineer supports the Civil Engineer for the plumbing systems outside the building including storm water, sewer, natural gas, fire suppression water, domestic water, irrigation water, and other special water and waste systems.</p> <p>This course aims to get familiarising with the tools and equipment, gain knowledge about tools, equipment &amp; material used in plumbing work, gain knowledge about different types of pipes and fittings, acquire knowledge about skills how to install various types of WCs with flushing cistern, wash basin, sink etc. &amp; their connection with water supply line.</p>
---	---	---

ATTESTED COPY

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
KUNJASAGY Main Road, BANGALORE - 560 061





Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Course on Plumbing

#### Course Content

**Module 1:** Introduction to Plumbing, Role of Plumber & its activities, various Plumbing fixtures & layout systems & Basics symbol of Plumbing Drawing.

**Module 2:** Classification of material required for internal and external plumbing work, Measurement of length, angle, internal and external diameter of a pipe section and fittings & Demonstration of using plumb bob and spirit level.

**Module 3:** Introduction to tools used in Plumbing, Use of different types of plumbing tools & safety equipment for any fitting & Safety measures while using tools.

**Module 4:** Introduction to different type of pipes and their use, Handling and fitting of pipes of all types & Types of pipe joints and its importance.

**Module 5:** Visit to Plumbing Industry.

Mr. Vinay Kumar S N  
Course Coordinator  
Assistant Professor  
Department of Civil Engineering

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
KADAPUR'S MAIN ROAD, BANGALORE - 560061

## Department of Civil Engineering

### Course on Plumbing

### Resource Person Profile



**Shri K.L. Mohan Rao,  
Chairman, Skill Development Builders Association of India  
President, Construction Industry Development Academy, Bangalore**

- Shri K.L. Mohan Rao is a highly esteemed academic leader and a prominent figure in the realm of construction industry.
- As a Chairman of Skill Development Builders Association of India and President of Construction Industry Development Academy, Bangalore, he has demonstrated exceptional vision, leadership, and skills, inspiring a new generation of business professionals. His expertise in Construction industry is highly regarded.
- He created big opportunities for engineering graduates to get trained and certified and work in the smart city.
- CIDA announces three months training program for engineers (civil mechanical electrical, electronics and communication, information science and computer science) also graduates from other streams (B.Sc., B.com etc.).
- CONSTRUCTION INDUSTRY DEVELOPMENT ACADEMY in collaboration with INDIAN CENTRE FOR SOCIAL TRANSFORMATION (ICST) organized many programs on smart governance.

ATTESTED COPY

*Skandan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Doddakallasandra Main Road, Bangalore-560061





Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Enrolled Student List

Sl. No.	USN	Name
1	ICE16CV001	AADIL HASSAN DAR
2	ICE16CV002	ABDUL RAHIM KHAN
3	ICE16CV004	AISHWARYA A T
4	ICE16CV006	ANOOP H P
5	ICE16CV007	ARUNKUMAR B R
6	ICE16CV008	AVINASH SHETKAR
7	ICE16CV009	CHANDRASHEKAR MJ
8	ICE16CV010	CHINTANA N
9	ICE16CV011	DEEPIKA G
10	ICE16CV015	GOWTHAM KA
11	ICE16CV016	HARISH NAIK S
12	ICE16CV019	KEERTHI K R
13	ICE16CV020	MAMATHA S M
14	ICE16CV021	MANOJ SP
15	ICE16CV025	MOHAMMED IMARN MUSTAFA
16	ICE16CV026	MD. FAZIL ATTAR
17	ICE16CV029	NIVEDITA GOND
18	ICE16CV031	PRADEEPA H
19	ICE16CV033	SAGAR MV
20	ICE16CV034	SANJAY M
21	ICE16CV035	SANKETH S
22	ICE16CV039	SREENATH N S
23	ICE16CV040	SRI MANJU M
24	ICE16CV041	SRIKANTA
25	ICE16CV046	VEERESH R
26	ICE16CV047	VIKAS H M
27	ICE16CV048	VIKRAMADITHYA
28	ICE16CV051	YATHISH
29	ICE17CV404	MAHESH G
30	ICE17CV405	MANJUNATH
31	ICE17CV406	NAJAMUDDIN
32	ICE17CV407	RAKESH
33	ICE17CV408	SAGAR S B
34	ICE17CV409	VIKAS
35	ICE17CV410	VINAY
36	ICE16CV052	SANGAMESH S G
37	ICE16CV053	SHARATH RAJ D
38	ICE17CV411	SHRINIVASA

ATTESTED COPY

*Skandan*  
 PRINCIPAL  
 CITY ENGINEERING COLLEGE  
 Doddakallasandra, Bangalore-560061



**CITY**  
ENGINEERING COLLEGE

Doddakallasandra, Bangalore-560061

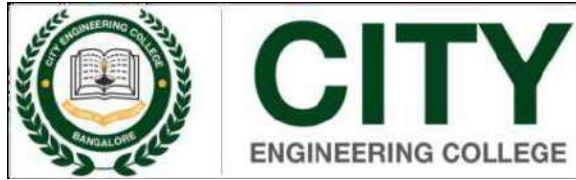
**Department of Civil Engineering**  
**Course on Plumbing**  
**Attendance List of Enrolled Students**

Sl. No	USN	Name	7/10/19	8/10/19	9/10/19	10/10/19	11/10/19	Signature
1	ICE16CV001	AADIL HASSAN DAR	P	P	P	P	P	<i>Aadil</i>
2	ICE16CV002	ABDUL RAHIM KHAN	P	A	P	P	P	<i>Abdul</i>
3	ICE16CV004	AISHWARYA A T	P	P	P	P	P	<i>Aishwarya</i>
4	ICE16CV006	ANOOP H P	P	P	P	P	P	<i>Anoop</i>
5	ICE16CV007	ARUNKUMAR B R	P	P	P	P	P	<i>Arunkumar</i>
6	ICE16CV008	AVINASH SHETKAR	P	P	P	P	P	<i>Avinash</i>
7	ICE16CV009	CHANDRASHEKAR MJ	P	P	P	P	P	<i>Chandrashekar</i>
8	ICE16CV010	CHINTANA N	P	P	P	P	P	<i>Chintana</i>
9	ICE16CV011	DEEPIKA G	P	P	A	P	P	<i>Deepika G.</i>
10	ICE16CV015	GOWTHAM KA	P	P	A	P	P	<i>Gowtham</i>
11	ICE16CV016	HARISH NAIK S	P	P	P	P	P	<i>Harish S.</i>
12	ICE16CV019	KEERTHI K R	P	P	P	P	P	<i>Keerthi</i>
13	ICE16CV020	MAMATHA S M	P	P	P	P	P	<i>Mamatha</i>
14	ICE16CV021	MANOJ SP	P	P	P	P	P	<i>Manoj</i>
15	ICE16CV025	MOHAMMED IMARN MUSTAFA	P	A	P	P	P	<i>M.I. Mustafa</i>
16	ICE16CV026	MD. FAZIL ATTAR	P	P	P	P	P	<i>Fazil</i>
17	ICE16CV029	NIVEDITA GOND	P	P	P	P	P	<i>Nivedita</i>
18	ICE16CV031	PRADEEPA H	P	P	P	A	P	<i>Pradeepa</i>
19	ICE16CV033	SAGAR M V	P	A	P	P	P	<i>Sagar</i>
20	ICE16CV034	SANJAY M	P	P	P	P	P	<i>Sanjay</i>
21	ICE16CV035	SANKEETH S	P	P	P	P	P	<i>Sankeeth S.</i>
22	ICE16CV039	SREENATH N S	P	P	P	P	P	<i>Sreenath</i>
23	ICE16CV040	SRI MANJU M	P	P	P	P	P	<i>Sri Manju</i>
24	ICE16CV041	SRIKANTA	P	P	P	P	P	<i>Srikanta</i>
25	ICE16CV046	VITRESH R	P	A	P	P	P	<i>Vitresh</i>
26	ICE16CV047	VIKAS H M	P	A	P	P	P	<i>Vikas</i>
27	ICE16CV048	VIKRAMADITHYA	P	P	P	A	P	<i>Vikram</i>
28	ICE16CV051	YATHISH	P	P	A	P	P	<i>Yathish</i>
29	ICE17CV404	MAHESH G	P	P	A	P	P	<i>Mahesh</i>
30	ICE17CV405	MANJUNATH	P	P	P	A	P	<i>Manjunath</i>
31	ICE17CV406	NAJAMUDDIN	P	P	P	P	P	<i>Najamuddin</i>
32	ICE17CV407	RAKESH	P	P	P	P	P	<i>Rakesh</i>
33	ICE17CV408	SAGAR S B	P	P	P	P	P	<i>Sagar S B</i>
34	ICE17CV409	VIKAS	P	P	A	P	P	<i>Vikas</i>
35	ICE17CV410	VINAY	P	P	P	P	P	<i>Vinay</i>
36	ICE16CV052	SANGAMESH S G	P	P	P	P	P	<i>Sangamesh</i>
37	ICE16CV053	SHARATH RAJ D	P	P	P	P	P	<i>Sharath D.</i>
38	ICE17CV411	SHRINIVASA	P	P	P	P	P	<i>Shrinivasa</i>

ATTESTED COPY

*Skaran*

PRINCIPAL  
CITY ENGINEERING COLLEGE  
KANDASUR MAIN ROAD, BANGALORE - 560 061



Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Course on Plumbing

#### Assessment Questions for the Course

1. Which of the following is not a component of plumbing water supply system?

**a) Washbasin**

b) Water supply and distribution pipes

c) Valves

d) Storage tanks

2. Which of the following is not a component of the plumbing drainage system?

a) Water closets

**b) Taps**

c) Vent pipes

d) Urinals

3. According to the Indian Standard recommendations, a water requirement of \_\_\_\_\_ per head per day is assumed for residential buildings.

a) 50 litres

b) 115 litres

**c) 135 litres**

d) 160 litres

4. Light gauge copper tubes are used for general purpose work where the pressure is not more than  $0.15 \text{ N/mm}^2$ .

**a) True**

b) False

5. Which of the following is not true about lead pipes?

a) Lead pipes are highly resistant to corrosion

**b) They have a low hydraulic coefficient of flow**

c) Lead pipes are highly flexible

d) When lead goes into solution, it has a cumulative poisoning effect

6. Which of the following is not true about plastic pipes?

a) Plastic pipes are cheaper than the metal pipes

b) Plastic pipes are light in weight

c) Plastic pipes can be installed with ordinary tools

**d) Plastic pipes are corrosive**

7. The diameter of main service pipe may vary from \_\_\_\_\_

a) 2-15 mm

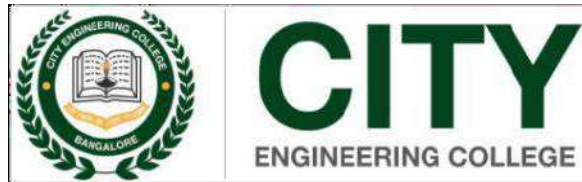
**b) 12-40 mm**

c) 50-75 mm

d) 60-80 mm

ATTESTED COPY

*Skandan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Doddakallasandra Main Road, BANGALORE - 560061



Doddakallasandra, Bangalore-560061

8. \_\_\_\_\_ is used to measure flows to domestic buildings.

- a) Rain gauge
- b) Water tank
- c) Drainpipe
- d) Water meter**

9. Which among the following is used to block up the pipe on one end?

- a) plug**
- b) union
- c) tee
- d) cross

10. Gate valve is used in pipe line to water flow in?

- a) one direction**
- b) both direction
- c) any direction
- d) none of the above

11. Which one of the following is used for holding pipes more than 63 mm and up to 200 mm?

- a) Pipe wrench
- b) Pipe vice
- c) Chain pipe vice**
- d) Footprint wrench

12. Pipe fitting used to close the end of a pipe with internal thread is called?

- a) plug**
- b) tee
- c) cross
- d) elbow

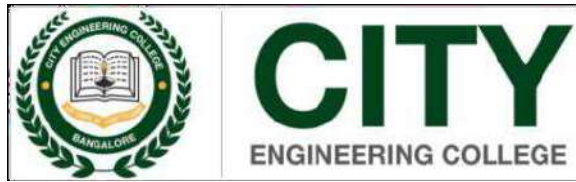
13. Wrench used for turning large diameter pipes?

- a) adjustable wrench
- b) pipe wrench
- c) strap wrench
- d) chain wrench**

14. Glove valve is used in pipe line to let water flow in?

- a) one direction
- b) both direction**
- c) any direction
- d) none of the above

ATTESTED COPY  
*Skandan*  
PROFESSOR,  
CITY ENGINEERING COLLEGE  
Doddakallasandra, Bangalore-560061



Doddakallasandra, Bangalore-560061

15. Which one of the following is used to separate the connection without disturbing the pipeline?

- a) **union**
- b) plug
- c) socket
- d) cross

16. \_\_\_\_\_ is used to measure the flow velocity across a cross-section with a known area.

- a) **Inferential meter**
- b) Anemometer
- c) Speedometer
- d) Barometer

17. Inferential meters can be used for both low and high flows.

- a) True
- b) **False**

18. Which of the following is used to make a branch right angle to the main line in pipe fitting?

- a) plug
- b) **Tee**
- c) cross
- d) elbow

19. Which of the following is used for connecting two pipes of different diameters?

- a) coupling
- b) tee
- c) caps
- d) **reducer**

20. In a water distribution system AC pipe joints are by.....

- a) Socket spigot joint
- b) **Detachable collar joint**
- c) Threaded joint
- d) All of these

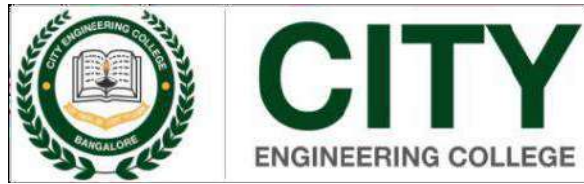
21. A rain water pipe discharge drains into

- a) Closed drain
- b) **Open drain**
- c) Both A & B
- d) None of these

22. This pipe prevents the syphonic action in a trap

- a) Syphon pipe
- b) **Antisyphon pipe**
- c) Sub main vent pipe
- d) None of these





Doddakallasandra, Bangalore-560061

23. Vent pipe height is maintained from the parapet wall of building.

- a) **60cm**
- b) 90 cm
- c) 100cm
- d) 150cm

24. This fitting is fitted on the top vent pipe

- a) End cap
- b) Shoe
- c) **Vent cowl**
- d) None of these

25. Bends have.....Threads.

- a) **External**
- b) Internal
- c) Both A & B
- d) All of these

ATTESTED COPY

*Skandan*  
PROFESSOR  
CITY ENGINEERING COLLEGE  
Bangalore's Main Road, BANGALORE - 560 061

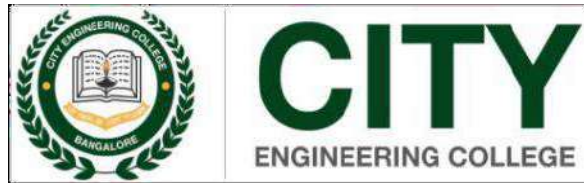


Doddakallasandra, Bangalore-560061

**Department of Civil Engineering**  
**Course on Plumbing**  
**Assessment Marks of Enrolled Students**

Sl. No	USN	Name	Marks
1	ICE16CV001	AADIL HASSAN DAR	24
2	ICE16CV002	ABDUL RAHIM KHAN	19
3	ICE16CV004	AISHWARYA A T	22
4	ICE16CV006	ANOOP H P	18
5	ICE16CV007	ARUNKUMAR B R	20
6	ICE16CV008	AVINASH SHETKAR	23
7	ICE16CV009	CHANDRASHEKAR MJ	23
8	ICE16CV010	CHINTANA N	24
9	ICE16CV011	DEEPIKA G	21
10	ICE16CV015	GOWTHAM KA	20
11	ICE16CV016	HARISH NAIK S	20
12	ICE16CV019	KEERTHI K R	23
13	ICE16CV020	MAMATHA S M	22
14	ICE16CV021	MANOJ SP	24
15	ICE16CV025	MOHAMMED IMARN MUSTAFA	19
16	ICE16CV026	MD. FAZIL ATTAR	25
17	ICE16CV029	NIVEDITA GOND	24
18	ICE16CV031	PRADEEPA H	19
19	ICE16CV033	SAGAR MV	20
20	ICE16CV034	SANJAY M	22
21	ICE16CV035	SANKETH S	23
22	ICE16CV039	SREENATH N S	23
23	ICE16CV040	SRI MANJU M	22
24	ICE16CV041	SRIKANTA	21
25	ICE16CV046	VEERESH R	18
26	ICE16CV047	VIKAS H M	20
27	ICE16CV048	VIKRAMADITHYA	20
28	ICE16CV051	YATHISH	20
29	ICE17CV404	MAHESH G	19
30	ICE17CV405	MANJUNATH	19
31	ICE17CV406	NAJAMUDDIN	22
32	ICE17CV407	RAKESH	23
33	ICE17CV408	SAGAR S B	21
34	ICE17CV409	VIKAS	20
35	ICE17CV410	VINAY	22
36	ICE16CV052	SANGAMESH S G	23
37	ICE16CV053	SHARATH RAJ D	23
38	ICE17CV411	SHRINIVASA	22

ATTESTED COPY  
  
 PRINCIPAL  
 CITY ENGINEERING COLLEGE  
 Doddakallasandra, Bangalore-560061



Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Course on Plumbing

#### Enrolled Students Feedback Analysis

#### Sample Feedback Analysis of students:

Name of the Participant	Course objectives were stated clearly and met	The Course content was well organized	Course enhanced my skills	Classes were interesting and interactive	Give overall rating
MD. FAZIL ATTAR	Agree	Agree	Agree	Agree	Good
NIVEDITA GOND	Neutral	Neutral	Neutral	Neutral	Good
PRADEEPA H	Agree	Agree	Agree	Agree	Good
SAGAR MV	Agree	Agree	Agree	Neutral	Excellent
SANJAY M	Agree	Agree	Neutral	Neutral	Average
SANKETH S	Neutral	Neutral	Neutral	Agree	Good
SREENATH N S	Agree	Agree	Neutral	Agree	Good
SRI MANJU M	Neutral	Neutral	Agree	Neutral	Excellent
SRIKANTA	Agree	Neutral	Agree	Agree	Average
VEERESH R	Agree	Neutral	Agree	Agree	Good



Feedback response from the Value-added course conducted from 07-10-19 to 11-10-19 on Plumbing is very effective & lead to better job prospects & career advancement.

ATTESTED COPY  
  
 PRINCIPAL  
 CITY ENGINEERING COLLEGE  
 Doddakallasandra, Bangalore - 560061



Doddakallasandra, Bangalore-560061

Date:11/10/2019

To,

K.L. Mohan Rao,

President,  
CIDA, Bangalore

**Dear K.L. Mohan Rao,**

**Subject: Letter of appreciation for conducting Course on plumbing.**

We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the **Course on plumbing** from 7<sup>th</sup> to 11<sup>th</sup> October 2019 conducted by Department of Civil Engineering, City Engineering College, Bangalore.

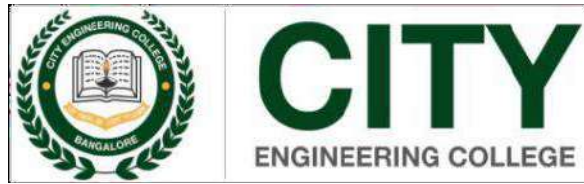
Thanking You,

Sincerely,

**Dr. V.S. Ramamurthy**  
Principal  
CEC

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanjigatta Main Road, BANGALORE - 560061



Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Course on Plumbing

#### Course Objectives

After completion of the course, the trainees should be able to:

1. Get familiarising with the tools and equipment.
2. Gain knowledge about tools, equipment & material used in plumbing work.
3. Gain knowledge about different types of pipes and fittings.
4. Acquire knowledge about skills how to install various types of WCs with flushing cistern, wash basin, sink etc. & their connection with water supply line.

#### Course Outcomes

The students will be able to:

1. Use of various plumbing tools and equipment while doing plumbing work.
2. Install and repair water supply/waste water drainage line and sanitary fittings and fixtures.
3. Various safety rules related to plumbing work.
4. Timely rectification of the problem/issue.
5. Negotiation skills.

Mr. Vinay Kumar S N  
Course Coordinator  
Assistant Professor  
Department of Civil Engineering

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

ATTESTED COPY

CITY ENGINEERING COLLEGE  
Kanjurpet Main Road, BANGALORE - 560 061



## DEPARTMENT OF CIVIL ENGINEERING

### REPORT OF COURSE ON PLUMBING

During the academic year 2019-20, the Department of Civil Engineering organized a Course on Plumbing from 7<sup>th</sup> to 11<sup>th</sup> October 2019 at Sir M. Visvesvaraya Seminar Hall of the Civil Department for final year civil engineering students.



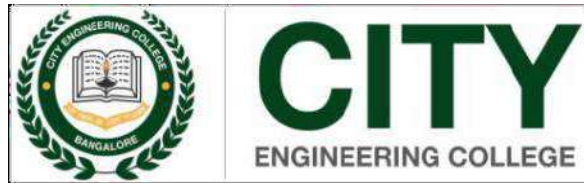
Fig:1 Shri K.L. Mohan Rao delivering the speech to students



Fig:2 Photo with Supreme Industries Resource person

The Plumbing Engineering responsibilities overlap into the professional engineering areas of Civil Engineering, Mechanical Engineering, Chemical Engineering, Fire Protection Engineering, and Process Engineering. Traditionally the Plumbing Engineer performs the calculations, sizes the equipment, and prepares the plumbing design and construction documents under the supervision of a licensed Mechanical, Fire Protection or Civil, Professional Engineer in the following stages:

- Design of Process and Fluid Flow Systems
- Design of Plumbing Systems
- Design of Heat and Energy Transfer Systems.



Doddakallasandra, Bangalore-560061

The Plumbing Engineer supports the Civil Engineer for the plumbing systems outside the building including storm water, sewer, natural gas, fire suppression water, domestic water, irrigation water, and other special water and waste systems.

The function started with formal invocation. The invocation song has sung by Ms. Neha Mukundan, a student of 5<sup>th</sup> semester civil engineering, Mrs. Vidyadhare, Asst. Professor welcomed the guests. Ms. Gayathri, R.V. introduced the resource persons. Dr. H.N. Thippeswamy, Professor & HOD emphasized the importance of Course for the final year students. Shri K.L. Mohan Rao, Chairman, Skill Development Builders Association of India and President, Construction Industry Development Academy, Bangalore and his associates from M/s. Supreme Industries, Bangalore delivered lectures on the role of various stages of plumbing in the field of civil engineering. Dr. V.S. Ramamurthy, Principal, City Engineering College addressed the students and advised for future challenges in the field of civil engineering including plumbing engineering. Dr. P. Nagabhushan gave vote of thanks.



Fig:3 Visit to Supreme Industries

On 11<sup>th</sup> October 2019, the students accompanied with Faculty members Dr. P. Nagabhushan and Mr. Vinay Kumar S N visited M/s. Supreme Industries in Nelamangala in college bus. M/s. Supreme Industries is the renowned leader of India's plastic industry having valuable experience in providing innovative and cost-effective piping solution. The company's objective is to meet the growing needs in the field of water, waste management and infrastructure sector through specially developed high-performance range of piping products. This industry has played vital role in transformation of conventional piping products to advance piping products in the country and termed as "Trend setters in plastic piping" and is prominently strong in piping segment. The resource persons have explained the various sizes of pvc pipes and their fittings in different sizes which are using in the plumbing and sanitary engineering.

*Mr. Vinay Kumar S N*

Mr. Vinay Kumar S N  
Course Coordinator  
Assistant Professor  
Department of Civil Engineering

ATTESTED COPY  
*Skandan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Agriculture's Main Road, BANGALORE - 560061

*Dr. Thippeswamy H N*

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**  
**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**NAJAMUDDIN**  
**1CE17CV406**

In Recognition of his/her valuable participation in the Five days' Course on  
**Plumbing** from 07th to 11th October 2019.

**HOD**  
Dr. Thippeswamy H N

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
KANDASAPUR MAIN ROAD, BANGALORE - 560 084

**PRINCIPAL**  
Dr. V.S. Ramamurthy



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**  
**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**NIVEDITA GOND**  
**1CE16CV029**

In Recognition of his/her valuable participation in the Five days' Course on  
**Plumbing** from 07th to 11th October 2019.

**HOD**  
Dr. Thippeswamy H N

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanjazpur's Main Road, BANGALORE - 560 081

**PRINCIPAL**  
Dr. V.S. Ramamurthy



**CITY**  
ENGINEERING COLLEGE

**Department of Civil Engineering**  
**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**HARISH NAIK S**  
**1CE16CV016**

In Recognition of his/her valuable participation in the Five days' Course on  
**Plumbing** from 07th to 11th October 2019.

**HOD**  
Dr. Thippeswamy H N

ATTESTED COPY

PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kannappura Main Road, BANGALORE - 560061

**PRINCIPAL**  
Dr. V.S. Ramamurthy





**CITY**  
ENGINEERING COLLEGE

---

## **Department of Computer Science and Engineering**

**Academic Year 2019 – 2020**

**Value Added Course**

**Engineer Your Career**

**16-09-2019 to 20-09-2019**



**CITY**  
ENGINEERING COLLEGE

---

Date: 12-09-2019

To

The Principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Value Added course

Respected Sir,

We would like to conduct a Value-Added course on “Engineer your career” for third year students from 16-09-2019 to 20-09-2019. This will be a pre placement training which helps students to land in good jobs. So, I request you to permit us to conduct this course. Kindly do the needful.

**Mr. Vivekavardhana Reddy**  
**HOD**  
**Department of CSE**



**CITY**  
ENGINEERING COLLEGE

---

## Department of Computer Science and Engineering

CEC/CSE/CC/2019-20/01

Date: 13/06/2019

### CIRCULAR

**Sub:** Conducting an Add-on Course

This is to inform all the final-year students that our department is going to conduct a 5-Module Value-Added course on **Engineer your Career** from **16-09-2019 to 20-09-2019**. The students can contact the respective coordinator to participate in this course. Its is mandatory to for everyone to attend the session.

**Mr. Vivekavardhana Reddy**  
**HOD**  
**Department of CSE**



**CITY**  
ENGINEERING COLLEGE

## Department of Computer Science and Engineering

Value Added Course on Engineer Your Career

Date: 16-09-2019 to 20-09-2019

### Schedule

Academic Year: 2019-2020

Venue : Seminar Hall

DAY	SESSION	TOPIC
16/9/2020	9.15 -11.15	Resume Writing6 - Structure and components - Tailoring for different job profiles
	11.30-1.30	Personal Branding and Online Presence - Building a personal brand
	2.00-4.00	LinkedIn and professional networks
17/9/2020	9.15 -11.15	Aptitude and Technical Test Preparation
	11.30-1.30	Quantitative Aptitude
	2.00-4.00	Logical Reasoning Technical Test Preparation
18/9/2020	9.15 -11.15	Soft Skills and Group Discussions Communication Skills
	11.30-1.30	Public speaking and presentation skills
	2.00-4.00	Group Discussions
19/9/2020	9.15 -11.15	Types of interviews
	11.30-1.30	Common interview questions
	2.00-4.00	Mock Interviews
20/9/2020	9.15 -11.15	Professional Etiquette and Career Planning
	11.30-1.30	Workplace etiquette
	2.00-4.00	Networking and relationship building Career Planning and Goal Setting

**Co-Ordinator**  
**Mr. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**



---

## Department of Computer Science and Engineering

### Value Added Course on Engineer Your Career

#### Syllabus

#### **Module 1: Resume Writing and Personal Branding (6 hours)**

##### **Resume Writing**

- Importance of a well-crafted resume
- Structure and components of a professional resume
- Tailoring resumes for different job profiles

##### **Personal Branding and Online Presence**

- Building a personal brand
- Leveraging LinkedIn and other professional networks
- Creating a strong online presence

#### **Module 2: Aptitude and Technical Test Preparation (6 hours)**

##### **Quantitative Aptitude**

- Key topics: arithmetic, algebra, geometry, and data interpretation
- Problem-solving techniques
- Practice questions and solutions

##### **Logical Reasoning**

- Key topics: puzzles, sequences, analogies, and syllogisms
- Strategies for efficient problem-solving
- Practice questions and solutions

##### **Technical Test Preparation**

- Understanding the format of technical tests
- Reviewing core engineering subjects
- Practice questions and solutions

#### **Module 3: Soft Skills and Group Discussions (6 hours)**

##### **Communication Skills**

- Importance of effective communication in the workplace



- 
- Verbal and non-verbal communication
  - Public speaking and presentation skills

### **Group Discussions**

- Purpose and format of group discussions
- Techniques for effective participation
- Practice sessions with real-time feedback

### **Module 4: Interview Techniques and Mock Interviews (6 hours)**

#### **Interview Preparation**

- Types of interviews: HR, technical, behavioral
- Common interview questions and how to answer them
- Researching the company and the role

#### **Mock Interviews**

- Conducting mock interviews with industry professionals
- Real-time feedback and improvement tips
- Developing confidence and reducing interview anxiety

### **Module 5: Professional Etiquette and Career Planning (6 hours)**

#### **Professional Etiquette**

- Workplace etiquette and professional behavior
- Dressing for success
- Networking and relationship building

#### **Career Planning and Goal Setting**

- Identifying career goals and aspirations
- Creating a career roadmap
- Continuous learning and professional development

**Co-Ordinator**  
**Mr. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**





---

## Department of Computer Science and Engineering

### Value Added Course on Engineer your Career

**Date:** 16-09-2019 to 20-09-2019

#### **Resource Person Profile**

A. Samuel John is a seasoned professional with over 12 years of experience in Learning and Development (L&D), specializing in various aspects such as Behavioral Training, Communication and Soft Skills Training, Team Management, Program Management, and Recruitment. His extensive experience has allowed him to develop a versatile skill set and the ability to adapt to different training needs. He has a proven track record in hiring practices and has successfully designed, developed, and implemented training curricula tailored to evolving business requirements. Additionally, he is certified to train and certify new trainers in language, soft skills, and performance management.

Samuel's expertise includes conducting skill gap analyses and designing custom training programs to optimize knowledge and operational efficiencies. He is adept at team building, fostering trust, respect, and cooperation among team members, and has a strong background in decision-making and analyzing information to choose the best training solutions. He has utilized Kirkpatrick's Level 2 methodology for training and development programs. Samuel has also conducted various training sessions, including culture training for on-job training employees, grooming sessions for potential front-line managers, and train-the-trainer workshops.

Currently, Samuel works with GAMA Management Solutions as a Training Manager, where he is responsible for maintaining effective relationships with stakeholders, conducting training for new joiners, and ensuring high conversion rates in quality gate assessments. He has also managed training design and delivery based on training needs analyses (TNAs), introduced innovative ideas to enhance the learning curve, and regularly updates training content to meet operational requirements. Additionally, he has experience in freelance projects with various companies such as Collabera, Taraspan, and Infosys, where he has standardized training content and assessment modules to suit specific business lines.

Samuel's past roles include being an Assistant Manager at Call Ready for Infosys, Senior Consultant Trainer at Infosys, Communication Skills Trainer at Genpact, and Learning Specialist at Thomson Reuters, where he conducted need analyses and training. He also served as a Voice Coach at Vignier Soft, where he identified training needs for new hires and developed standardized training modules.



**Department of Computer Science and Engineering**

Academic Year: 2019-2020

Date: 16-09-2019 to 20-09-2019

Value Added Course on Engineer your Career

**List of Students Enrolled**

SLNO	USN	Name	SLNO	USN	Name
1	1CE14CS122	UPENDRA KUMAR YADAV	28	1CE16CS014	ASHU KUMAR SINGH
2	1CE15CS007	AKASH K S	30	1CE16CS016	AYESHA RUMANA
3	1CE15CS010	AKSHATHA RAJESH	31	1CE16CS017	AYESHA SIDDIQA
4	1CE15CS015	ARPITHA G	32	1CE16CS018	BHARATH N
5	1CE15CS035	CHIRANJEEVI .M	33	1CE16CS019	BHARATH SUBRAHMANYA
6	1CE15CS040	DIVYA SHREE S	34	1CE16CS020	BHASKAR K
7	1CE15CS051	IMRAN PASHA	35	1CE16CS022	CHAITRA R
8	1CE15CS075	MEGHA .G	36	1CE16CS023	CHANDANA A V
9	1CE15CS082	MOHAMMED SHAHID	37	1CE16CS026	CHETHANA G
10	1CE15CS090	NISARGA M	38	1CE16CS027	DEEKSHITHA H S
11	1CE15CS101	PRAJWAL KUMAR R	39	1CE16CS028	DIVYA H
12	1CE15CS107	PREM KIRAN	40	1CE16CS030	DRUSHYA K
13	1CE15CS112	L .H ROHITH	41	1CE16CS031	GANGASHREE Y
14	1CE15CS131	SHILPA H .S	42	1CE16CS032	GEETHA R SOMANI
15	1CE15CS134	SIRISHA .V	43	1CE16CS033	GEETHANJALI
16	1CE15CS139	SUDEEP S.A	44	1CE16CS034	GOUTAMI KODIYA
17	1CE15CS147	SUSHRATA NAYAK	45	1CE16CS035	HARINI G R
18	1CE15CS154	TANUSHA H. H	46	1CE16CS036	HARSHINI M N
19	1CE16CS004	AISHWARYA S	47	1CE16CS037	HARSHITHA M N
20	1CE16CS005	AKSHARA APPANNA	48	1CE16CS039	JAYANTH S
21	1CE16CS007	AMIR HARUNI	49	1CE16CS042	KAUNAIN FATHIMA M
22	1CE16CS008	AMRITA CHANDRASHEKHAR	50	1CE16CS043	KAVYASHREE M S
23	1CE16CS009	AMULYA V	51	1CE16CS044	KEERTHANA T E
24	1CE16CS010	ANKITHA S T	52	1CE16CS045	KRUTHIKA K GOWDA
25	1CE16CS011	ANUJNA VISHWESHWAR HEGDE	53	1CE16CS046	KUMAR GAURAV
26	1CE16CS012	ARJUN M BHARADWAJ	54	1CE16CS047	KUMARI SAKSHI MISHRA
27	1CE16CS013	ARPITHA R	55	1CE16CS048	MADHU A
56	1CE16CS053	MOHANASHREE R	84	1CE16CS087	SHAILASHREE SUBRAY BHAT



57	1CE16CS054	MONIKA S	85	1CE16CS088	SHILPA K
58	1CE16CS055	MOUNIKA P	86	1CE16CS089	SHILPASHREE K
59	1CE16CS057	NAGASHREE P S	87	1CE16CS090	SHIRISHA RAO A
60	1CE16CS058	NAVEENA S	88	1CE16CS092	SINDHU V
61	1CE16CS059	NAVYA SHREE S	89	1CE16CS093	SIRIKRISHNA P M
62	1CE16CS060	NIRANJAN K V	90	1CE16CS094	SOUMYA U
63	1CE16CS061	NISHA S BHAT	91	1CE16CS095	SOURAV B
64	1CE16CS062	NISHATH BANU	92	1CE16CS098	SUSHMITA A KOPPA
65	1CE16CS064	P.CHAITHRA	93	1CE16CS100	SWAROOP R MALLIGE
66	1CE16CS065	PAVITHRA V	94	1CE16CS101	SYEDA MAHEEN NAAZ
67	1CE16CS066	POOJA B	95	1CE16CS102	T SURENDRA
68	1CE16CS067	POORVIKA M	96	1CE16CS104	TEJASVINI C
69	1CE16CS068	PRAJWAL S	97	1CE16CS105	TEJASWI Y D
70	1CE16CS069	PRASAD D SHET	98	1CE16CS106	USHODAYA H P
71	1CE16CS070	PRATHYUSHA G	99	1CE16CS107	VANDANA N
72	1CE16CS071	PRATIK SHANDILYA	100	1CE16CS108	VANDANA T K
73	1CE16CS073	RAKSHIT AIRANI M	101	1CE16CS109	VARSHINI A M
74	1CE16CS075	RAKSHITHA R V	102	1CE16CS111	VARUN G R
75	1CE16CS076	RAKSHITHA U	103	1CE16CS112	VIGNESH KUMAR S
76	1CE16CS077	RAMYA S K	104	1CE16CS114	VIKAS V
77	1CE16CS078	RANJITH S E	105	1CE16CS116	VISHAL KUMAR
78	1CE16CS080	ROHIT VISHWANATH KOPPA	106	1CE16CS117	YAMINI R
79	1CE16CS082	SACHIN S	107	1CE16CS118	YASHODA A
80	1CE16CS083	SACHIN V PATIL	108	1CE16CS119	MOHAMMED ZUHAIB
81	1CE16CS084	SAHANA N	109	1CE16CS120	PRADEEP KUMAR N
82	1CE16CS085	SANJANA G	110	1CE15IS003	BHARATH S G
83	1CE16CS086	SANJANA S RAO	111	1CE16CS121	POORNACHANDRA L



**CITY**  
ENGINEERING COLLEGE

---

112	1CE16CS122	RABIYA KOUSER
113	1CE16CS123	ALISHA N
114	1CE15CS013	AMTUR RAHIM
115	1CE15CS153	T S KARTHIK BHARADWAJ
116	1CE15CS158	UMME AIYMAN AJMAL
117	1CE14CS065	MAMATHA M
118	1CE14CS117	SUSHMITHA A
119	1CE14IS018	LAKSHMI R
120	1CE14IS020	NAVITHA K
121	1CE14IS024	S.MANJUNATH

**Co-Ordinator**  
**Mr. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**



## Department of Computer Science and Engineering

Value Added Course on Engineer your Career

### Attendance List

SL. No	USN	Name	16-9-19	17-9-19	18-9-19	19-9-19	20-9-19	
1	1CE14CS122	UPENDRA KUMAR YADAV	P	P	P	P	P	U
2	1CE15CS007	AKASH K S	P	P	P	P	P	Akash
3	1CE15CS010	AKSHATHA RAJESH	P	P	P	P	P	Akshatha
4	1CE15CS015	ARPITHA G	P	P	P	P	P	Arpita
5	1CE15CS035	CHIRANJEEVI .M	A	P	P	P	P	Chiranjeevi
6	1CE15CS040	DIVYA SHREE S	P	P	P	P	P	Divya
7	1CE15CS051	IMRAN PASHA	P	P	P	P	P	Imran Pasha
8	1CE15CS075	MEGHA .G	P	P	P	P	P	Megha
9	1CE15CS082	MOHAMMED SHAHID	P	P	P	P	P	Mohammed S
10	1CE15CS090	NISARGA M	P	P	P	P	P	Nisarga
11	1CE15CS101	PRAJWAL KUMAR R	P	P	P	P	P	Prajwal
12	1CE15CS107	PREM KIRAN	P	P	P	P	P	Prem Kiran
13	1CE15CS112	L .H ROHITH	P	P	P	P	P	L-H Rohith
14	1CE15CS131	SHILPA H .S	P	P	P	P	P	Shilpa
15	1CE15CS134	SIRISHA .V	P	P	A	P	P	Sirisha
16	1CE15CS139	SUDEEP S.A	P	P	P	P	P	Sudeep A
17	1CE15CS147	SUSHRATA NAYAK	P	P	P	P	P	Sushratha N
18	1CE15CS154	TANUSHA H. H	P	P	P	P	P	Tanusha H
19	1CE16CS004	AISHWARYA S	P	P	P	P	P	Aishwarya
20	1CE16CS005	AKSHARA APPANNA	P	A	P	P	P	Akshara
21	1CE16CS007	AMIR HARUNI	P	P	P	P	P	Amir Haruni
22	1CE16CS008	AMRITA CHANDRASHEKHAR	P	P	P	P	P	Amrita C
23	1CE16CS009	AMULYA V	P	P	P	P	P	Amulya
24	1CE16CS010	ANKITHA S T	P	P	P	P	P	Ankitha S.T





**CITY**  
ENGINEERING COLLEGE

25	ICE16CS011	ANUJNA VISHWESHWAR HEGDE	P	P	P	P	P	<u>Anujna</u>
26	ICE16CS012	ARJUN M BHARADWAJ	P	P	P	P	P	<u>Arjun</u>
27	ICE16CS013	ARPITHA R	P	A	P	P	P	<u>Arpitha</u>
28	ICE16CS014	ASHU KUMAR SINGH	P	P	P	P	P	<u>Ashu Kumar</u>
30	ICE16CS016	AYESHA RUMANA	P	P	P	P	P	<u>Ayesha Rumana</u>
31	ICE16CS017	AYESHA SIDDIQA	P	P	P	P	P	<u>Ayesha Siddiqa</u>
32	ICE16CS018	BHARATH N	P	P	P	P	P	<u>Bharath</u>
33	ICE16CS019	BHARATH SUBRAHMANYA	P	P	P	P	P	<u>Bharath, S</u>
34	ICE16CS020	BHASKAR K	P	P	P	P	P	<u>Bhaskar</u>
35	ICE16CS022	CHAITRA R	P	P	P	P	P	<u>Chaitra R</u>
36	ICE16CS023	CHANDANA A V	P	P	P	P	P	<u>Chandana</u>
37	ICE16CS026	CETHANA G	P	P	P	P	P	<u>Cethana G</u>
38	ICE16CS027	DEEKSHITHA H S	P	P	P	P	P	<u>Deekshitha</u>
39	ICE16CS028	DIVYA H	P	P	P	P	P	<u>Divya H</u>
40	ICE16CS030	DRUSHYA K	P	P	A	P	P	<u>Drushya</u>
41	ICE16CS031	GANGASHREE Y	P	P	P	P	P	<u>Drushya</u>
42	ICE16CS032	GEETHA R SOMANI	P	P	P	P	P	<u>Geetha R</u>
43	ICE16CS033	GEETHANJALI	P	P	P	P	P	<u>Geethanjali</u>
44	ICE16CS034	GOUTAMI KODIYA	P	P	P	P	P	<u>Goutami</u>
45	ICE16CS035	HARINI G R	P	P	P	P	P	<u>Harini</u>
46	ICE16CS036	HARSHINI M N	P	P	P	P	P	<u>Harshini</u>
47	ICE16CS037	HARSHITHA M N	P	P	P	P	P	<u>Harshitha M N</u>
48	ICE16CS039	JAYANTH S	P	P	P	P	P	<u>Jayanth</u>
49	ICE16CS042	KAUNAIN FATHIMA M	P	A	P	P	P	<u>Kaunain, F</u>
50	ICE16CS043	KAVYASHREE M S	P	P	P	P	P	<u>Kavya</u>
51	ICE16CS044	KEERTHANA T E	P	P	P	P	P	<u>Keertana K</u>
52	ICE16CS045	KRUTHIKA K GOWDA	P	P	P	P	P	<u>Krutika</u>
53	ICE16CS046	KUMAR GAURAV	P	P	P	P	P	<u>Kumar G</u>





54	ICE16CS047	KUMARI SAKSHI MISHRA	P	P	P	P	P	<i>Bhu</i>
55	ICE16CS048	MADHU A	P	A	P	P	P	<i>Madhu</i>
56	ICE16CS053	MOHANASHREE R	P	P	P	P	P	<i>Mohan</i>
57	ICE16CS054	MONIKA S	P	P	P	P	P	<i>Monika</i>
58	ICE16CS055	MOUNIKA P	P	P	P	P	P	<i>Mounika</i>
59	ICE16CS057	NAGASHREE P S	P	P	P	P	P	<i>Naga</i>
60	ICE16CS058	NAVEENA S	P	P	P	P	P	<i>Naveena</i>
61	ICE16CS059	NAVYA SHREE S	P	P	P	P	P	<i>Navya</i>
62	ICE16CS060	NIRANJAN K V	P	P	P	P	P	<i>Niranjan</i>
63	ICE16CS061	NISHA S BHAT	P	P	P	P	P	<i>Nisha</i>
64	ICE16CS062	NISHATH BANU	P	P	P	P	P	<i>Nishath</i>
65	ICE16CS064	P.CHAITHRA	P	P	P	P	P	<i>Chaithra</i>
66	ICE16CS065	PAVITHRA V	P	P	A	P	P	<i>Pavithra</i>
67	ICE16CS066	POOJA B	P	P	P	P	P	<i>Pooja</i>
68	ICE16CS067	POORVIKA M	P	P	P	P	P	<i>Poorvika</i>
69	ICE16CS068	PRAJWAL S	P	P	P	P	P	<i>Prajwal</i>
70	ICE16CS069	PRASAD D SHET	P	P	P	P	P	<i>Prasad</i>
71	ICE16CS070	PRATHYUSHA G	P	P	P	P	P	<i>Prathyusha</i>
72	ICE16CS071	PRATIK SHANDILYA	P	P	P	P	P	<i>Pratik</i>
73	ICE16CS073	RAKSHIT AIRANI M	P	P	P	P	P	<i>Rakshit</i>
74	ICE16CS075	RAKSHITHA R V	P	P	P	P	P	<i>Rakshitha</i>
75	ICE16CS076	RAKSHITHA U	P	P	P	P	P	<i>Rakshitha</i>
76	ICE16CS077	RAMYA S K	A	P	P	P	P	<i>Ramya</i>
77	ICE16CS078	RANJITH S E	P	P	P	P	P	<i>Ranjith</i>
78	ICE16CS080	ROHIT VISHWANATH KOPPA	P	P	P	P	P	<i>Rohit</i>
79	ICE16CS082	SACHIN S	P	P	P	P	P	<i>Sachin</i>
80	ICE16CS083	SACHIN V PATIL	P	P	P	P	P	<i>Sachin</i>
81	ICE16CS084	SAHANAN N	P	P	P	P	P	<i>Sahana</i>
82	ICE16CS085	SANJANA G	P	P	P	A	P	<i>Sanjana</i>



83	ICE16CS086	SANJANA S RAO	P	P	P	P	P	<u>Sanjana</u>
84	ICE16CS087	SHAILASHREE SUBRAY BHAT	A	P	P	P	P	<u>Shailashree</u>
85	ICE16CS088	SHILPA K	P	P	P	P	P	<u>Shilpa</u>
86	ICE16CS089	SHILPASHREE K	P	P	P	P	P	<u>Shilpashree</u>
87	ICE16CS090	SHIRISHA RAO A	P	P	P	P	P	<u>Shirisha</u>
88	ICE16CS092	SINDHU V	P	P	P	P	P	<u>Sindhu</u>
89	ICE16CS093	SIRIKRISHNA P M	P	P	P	P	P	<u>Sirishna</u>
90	ICE16CS094	SOUMYA U	P	P	P	P	P	<u>Soumya</u>
91	ICE16CS095	SOURAV B	P	P	P	P	P	<u>Sourav</u>
92	ICE16CS098	SUSHMITA A KOPPA	P	P	P	P	P	<u>Sushmita</u>
93	ICE16CS100	SWAROOP R MALLIGE	P	P	A	P	P	<u>Swaroop</u>
94	ICE16CS101	SYEDA MAHEEN NAAZ	P	P	P	P	P	<u>Syeda</u>
95	ICE16CS102	T SURENDRA	P	P	P	P	P	<u>T Surendra</u>
96	ICE16CS104	TEJASVINI C	P	P	P	P	P	<u>Tejasvini</u>
97	ICE16CS105	TEJASWI Y D	P	P	P	P	P	<u>Tejaswi</u>
98	ICE16CS106	USHODAYA H P	P	P	P	P	P	<u>Ushodaya</u>
99	ICE16CS107	VANDANA N	P	P	P	P	P	<u>Vandana</u>
100	ICE16CS108	VANDANA T K	P	P	P	P	P	<u>Vandana</u>
101	ICE16CS109	VARSHINI A M	P	P	P	P	P	<u>Varshini</u>
102	ICE16CS111	VARUN G R	P	P	P	P	P	<u>Varun</u>
103	ICE16CS112	VIGNESH KUMAR S	P	P	P	P	P	<u>Vignesh</u>
104	ICE16CS114	VIKAS V	P	P	P	P	P	<u>Vikas</u>
105	ICE16CS116	VISHAL KUMAR	P	P	P	P	P	<u>Vishal</u>
106	ICE16CS117	YAMINI R	P	P	P	P	P	<u>Yamini</u>
107	ICE16CS118	YASHODA A	P	P	P	P	P	<u>Yashoda</u>
108	ICE16CS119	MOHAMMED ZUHAIB	P	P	A	P	P	<u>Yasoda</u>
109	ICE16CS120	PRADEEP KUMAR N	P	P	P	P	P	<u>Pradeep</u>
110	ICE15IS003	BHARATH S G	P	P	P	P	P	<u>Pradeep</u>
111	ICE16CS121	POORNACHANDRA L	P	P	P	P	P	<u>Poornachandra</u>
112	ICE16CS122	RABIYA KOUSER	P	P	P	P	P	<u>Rabiya</u>
113	ICE16CS123	ALISHA N	A	P	P	P	P	<u>Rabiya</u>
114	ICE15CS013	AMTUR RAHIM	P	P	P	P	A	<u>Amtur</u>





**CITY**  
ENGINEERING COLLEGE

115	ICE15CS153	T S KARTHIK BHARADWAJ	P	A	P	P	P	<i>T S</i>
116	ICE15CS158	UMME AIYMAN AJMAL	P	P	P	P	P	<i>Umme</i>
117	ICE14CS065	MAMATHA M	P	P	P	P	P	<i>Mamatha</i>
118	ICE14CS117	SUSHMITHA A	P	P	P	P	P	<i>Sushmitha</i>
119	ICE14IS018	LAKSHMI R	P	P	P	P	P	<i>Lakshmi</i>
120	ICE14IS020	NAVITHA K	P	P	P	P	P	<i>Navitha</i>
121	ICE14IS024	S.MANJUNATH	P	P	P	P	P	<i>S Manjunath</i>

**Co-Ordinator**  
**Mr. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**



**CITY**  
ENGINEERING COLLEGE

## Department of Computer Science and Engineering

Academic Year: 2019-2020

Date: 16-09-2019 to 20-09-2019

### Value Added Course on Engineer your Career

Engineer Your Career

16-09-2019 to 20-09-2019

Name of the Participant \*

Short answer text

Course objectives were stated clearly and met \*

Agree

Neutral

Disagree

The Course Syllabus was well organized \*

Agree

Neutral

Disagree

The Course Content helped in enhancing my knowledge \*

Agree

Neutral

Disagree

The doubts were cleared by the teacher \*

Disagree

Neutral

Agree

Give overall rating (1 being high) \*

1

2

3

FIG 1: SCREENSHOT OF FEEDBACK QUESTIONS



## Department of Computer Science and Engineering

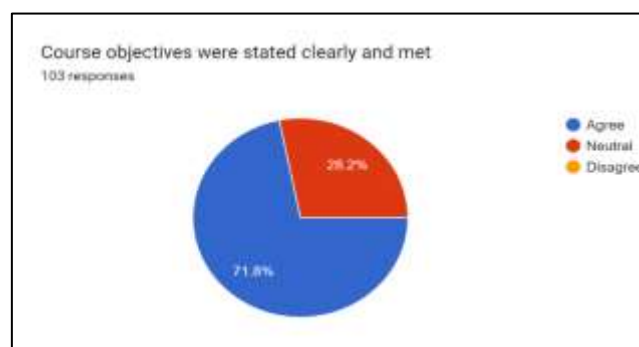
Academic Year: 2019-2020

Date: 16-09-2019 to 20-09-2019

### Certificate Course on Student Feedback Analysis

#### Sample Feedback

Timestamp	Name	Course Objectives were clearly stated and met	The course syllabus was well organized	The course content enhanced my knowledge	The doubts were cleared by my teacher	Give overall rating
09-20-2019 13:02:15	L H Rohith	Agree	Agree	Neutral	Agree	1
09-20-2019 13:02:16	PRADEEP KUMAR N	Agree	Agree	Agree	Agree	1
09-20-2019 13:02:17	BHARATH S G	Agree	Neutral	Neutral	Agree	2
09-20-2019 13:02:18	POORNACHANDRA L	Agree	Agree	Agree	Agree	1
09-20-2019 13:02:19	RABIYA KOUSER	Agree	Agree	Agree	Agree	1
09-20-2019 13:02:20	ALISHA N	Agree	Agree	Agree	Neutral	2
09-20-2019 13:02:21	AMTUR RAHIM	Agree	Neutral	Agree	Agree	1
09-20-2019 13:02:25	PRADEEP KUMAR N	Agree	Agree	Agree	Agree	1



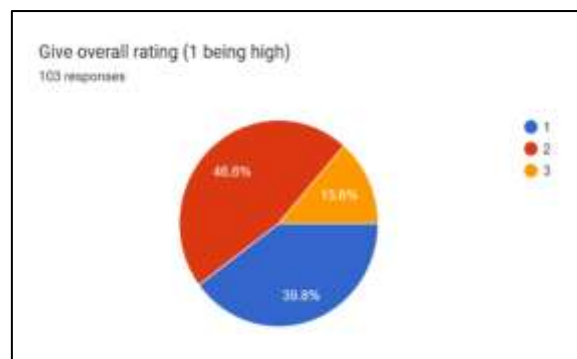
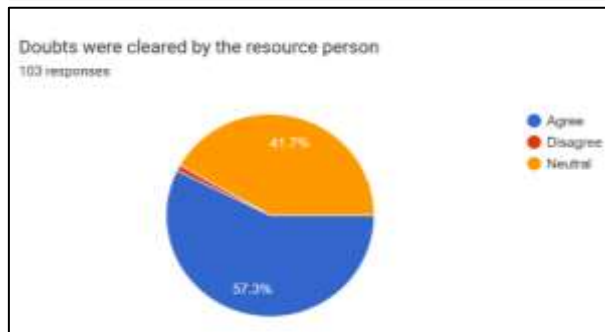
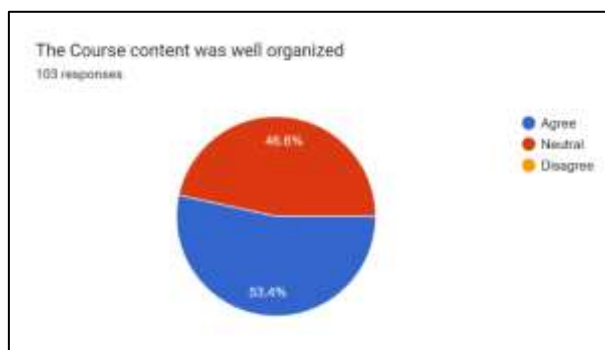
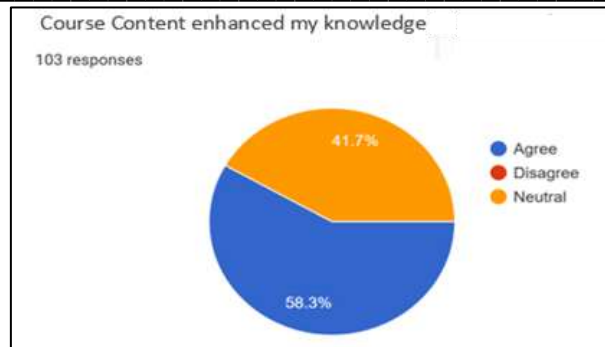


FIG 2: FEEDBACK ANALYSIS





**CITY**  
ENGINEERING COLLEGE

---

**Course Outcomes:**

- Develop a professional resume and strong online presence
- Enhance aptitude and technical test-taking skills
- Improve communication skills and group discussion techniques
- Master interview techniques and gain confidence through mock interviews
- Understand professional etiquette and plan for a successful career

**Co-Ordinator**  
**Mr. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**



**CITY**  
ENGINEERING COLLEGE

## Department of Computer Science and Engineering

### A Report on Certificate course on Engineer Your Career

A value-added course on Engineer your Career was organised by the Department of Computer Science and Engineering from 16-09-2019 to 20-01-2019 for final year B.E. Computer Science and Engineering students in the online mode.

#### Day 1: Resume Writing and Personal Branding

Participants started by learning the fundamentals of resume writing, understanding its critical role in job applications. They explored the structure and components necessary for crafting a professional resume tailored to different job profiles. In the afternoon session on personal branding, students delved into strategies for building a compelling personal brand. Practical exercises included optimizing LinkedIn profiles and establishing a strong online presence to enhance their visibility to potential employers.



FIG 3:SCREENSHOT OF SESSION

#### Day 2: Aptitude and Technical Test Preparation

The day began with intensive sessions on quantitative aptitude, covering essential topics such as arithmetic, algebra, geometry, and data interpretation. Students learned problem-solving techniques crucial for acing aptitude tests. The focus then shifted to logical reasoning, where participants tackled puzzles, sequences, analogies, and syllogisms. In the technical test preparation segment, students reviewed core engineering subjects and practiced solving technical problems typical of placement exams.



**CITY**  
ENGINEERING COLLEGE

---

### **Day 3: Soft Skills and Group Discussions**

Communication skills took center stage as participants honed their ability to communicate effectively in professional settings. They practiced verbal and non-verbal communication techniques and engaged in exercises to improve public speaking and presentation skills. In the afternoon, students participated in interactive group discussions, learning strategies for active participation, idea articulation, and respectful debate. Real-time feedback sessions helped refine their discussion skills.

### **Day 4: Interview Techniques and Mock Interviews**

Students prepared thoroughly for various types of interviews, including HR, technical, and behavioral interviews. They studied common interview questions, crafted compelling responses, and researched prospective employers to tailor their answers effectively. Mock interviews conducted by industry professionals provided invaluable experience. Participants received constructive feedback on their performance, enabling them to fine-tune their responses, build confidence, and reduce anxiety ahead of real interviews.

### **Day 5: Professional Etiquette and Career Planning**

The final day focused on professional etiquette and career planning. Participants learned about workplace etiquette, including appropriate behavior and attire. Networking strategies were discussed, emphasizing the importance of building professional relationships. In the career planning session, students identified their career goals, created personal career roadmaps, and developed plans for continuous learning and professional development to ensure long-term career success.

The course equipped participants with essential skills and knowledge required to excel in the competitive job market. From mastering resume writing and personal branding to enhancing aptitude, technical skills, and soft skills like communication and group discussion, students gained confidence and readiness for interviews through mock interview practice. Professional etiquette and effective career planning strategies ensured that participants were well-prepared to embark on successful engineering careers.

**CO-Ordinator**  
**Mrs. Laxmi M C**

**Mr. Vivekavardhana Reddy**  
**HOD**

**Dr. V S Ramamurthy**  
**PRINCIPAL**



**CITY ENGINEERING COLLEGE**

# **Engineer Your Career**

VALUE ADDED COURSE

ORGANIZED BY

**DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING**

**16TH TO 20TH SEPTEMBER 2019**

**A SAMUEL JOHN  
SOFTSKILL TRAINER**

"Empowering Engineers for  
Career Success"

CONTACT  
MRS LAXMI M C , ASST PROF, CSE

**REGISTER  
NOW!**

CITY ENGINEERING COLLEGE



# CERTIFICATE

OF APPRECIATION

THIS AWARDED TO CERTIFY THAT

*Muaz Meraz*

From the Department of Computer Science and Engineering for participation in the course on “Engineer Your Career” under Value Added course from 16th to 20th September 2020

HOD

PRINCIPAL

CITY ENGINEERING COLLEGE



# CERTIFICATE

OF APPRECIATION

THIS AWARDED TO CERTIFY THAT

*Roopa M*

From the Department of Computer Science and Engineering for participation in the course on “Engineer Your Career” under Value Added course from 16th to 20th September 2020

HOD

PRINCIPAL



CITY ENGINEERING COLLEGE



# CERTIFICATE

OF APPRECIATION

THIS AWARDED TO CERTIFY THAT

*Vinutha D B*

From the Department of Computer Science and Engineering for participation in the course on “Engineer Your Career” under Value Added course from 16th to 20th September 2020

HOD

PRINCIPAL