



# 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 2020-21

Sl. No.	Name of VAC/Certificate Course
1.	Quantitative Mastery for Engineers
2.	Business Writing Skills
3.	Leadership Skills
4.	Software Testing with Selenium
5.	Communication Proficiency
6.	Pollution control & Environmental Laws in India
7.	Energy and Environment



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**Department of Computer Science and Engineering**  
**Academic Year 2020 – 2021**

**Value Added Course**  
**On**  
**Quantitative Mastery for Engineers**  
**24-05-2021 to 28-05-2021**



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Date: 15-05-2021

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 “Quantitative Mastery for Engineers” for final year students from 24-05-2021 to 28-05-2021. This course equips engineering students with a solid foundation in quantitative aptitude, enhancing their problem-solving skills and boosting confidence for competitive exams and real-world engineering challenges. Participants gain a comprehensive skill set over five days, empowering them with the mathematical prowess needed for success in academic assessments, job placements, and beyond. So, I request you to permit us to conduct this course. Kindly do the needful.

A handwritten signature in black ink, appearing to be "Vivekavardhana Reddy".

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



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## Department of Computer Science and Engineering

Ref No: CEC/CSE/C1/1.2.1/ACY2020-21/OR/04

Date: 15/05/2021

### CIRCULAR

**Sub:** Conducting a Value Added Course

This is to inform all the final-year students that our department is going to conduct a 5-day Value Added Course on **Quantitative Mastery for Engineers** from **24-05-2021 to 28-05-2021 in online mode**. The students can contact the respective coordinator to participate in this course.

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



## Department of Computer Science and Engineering

### Value Added Course on Quantitative Mastery for Engineers

#### Schedule

Academic Year: 2020 – 2021

Mode: Online

Date	Session 1 (9:15 – 11:15)	Session 2 (11:30 – 1:30)	Lunch Break (1:30 – 2:00)	Session 3 (2:00 – 4:00)
24-05-2021	Introduction, Number Systems, Arithmetic Operations	Practice problems, Group discussions		Fractions, Decimals, Powers, and Roots Problem-solving exercises
25-05-2021	Algebraic Expressions, Linear Equations	Quadratic Equations, Inequalities, Factorization		Hands-on algebraic problem-solving
26-05-2021	Basics of Geometry, Triangles, Quadrilaterals	Geometric problem-solving		Circles, Cylinders, Rectangular Coordinates Mensuration calculations
27-05-2021	Data Interpretation Techniques, Graphs, Charts	Data analysis exercises		Measures of Central Tendency, Dispersion, Probability Statistical problem-solving
28-05-2021	Time, Speed, Distance, Ratio and Proportion	Advanced topic problem-solving ,   Permutations, Combinations, Percentage, Profit-Loss		Mock test, Review session

**Co-Ordinator**  
**Mr. Girisha G A**

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



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## Department of Computer Science and Engineering

### Value Added Course on Quantitative Mastery for Engineers

#### Course Content

##### **Module 1: Foundations of Mathematics**

1. Introduction to Quantitative Aptitude
2. Number Systems
3. Basic Arithmetic Operations
4. Fractions and Decimals
5. Powers and Roots

##### **Module 2: Algebra and Equations**

1. Algebraic Expressions
2. Linear Equations
3. Quadratic Equations
4. Inequalities
5. Polynomials and Factorization

##### **Module 3: Geometry and Mensuration**

1. Basics of Geometry
2. Triangles and Quadrilaterals
3. Circles and Cylinders
4. Rectangular Coordinates
5. Mensuration: Area and Volume

##### **Module 4: Data Interpretation and Statistics**

1. Data Interpretation Techniques
2. Graphs and Charts
3. Measures of Central Tendency
4. Measures of Dispersion
5. Probability

##### **Module 5: Advanced Topics and Mock Test**

1. Time, Speed, and Distance
2. Ratio and Proportion
3. Permutations and Combinations
4. Percentage and Profit-Loss
5. Mock Test and Review

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

**Co-Ordinator**  
**Mr. Girisha G A**

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

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



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

### **Value Added Course on Quantitative Mastery for Engineers**

**Date: 24-05-2021 to 28-05-2021**

#### **Resource Person Profile**

#### **Ms. K Krishna Bai**

K Krishna Bai is a highly skilled and experienced professional in the fields of education and training. With a Master of Technology in Biomedical Signal Processing from RV College of Engineering, Bangalore, she has demonstrated a strong commitment to practical teaching methods and hands-on experience. Bai's expertise lies in quantitative aptitude, logical reasoning, and technical training, particularly in C, C++, Python, web design, and SQL. Her career spans various roles, including assistant professor in an engineering college, tutorpreneur for mathematics and engineering subjects, and freelance trainer for undergraduate students in Bangalore. Additionally, she has served as an online coding instructor for college students. Bai's dedication to education and training, coupled with her result-oriented and creative problem-solving approach, makes her a valuable resource for those seeking instruction in quantitative and technical domains. Her commitment to a practical teaching approach, combined with her extensive experience, positions her as a valuable resource for those seeking training in quantitative aptitude, logical reasoning, and technical subjects.



**Department of Computer Science and Engineering**

**Academic Year: 2020 – 2021**

**Date: 24-05-2021 to 28-05-2021**

**Value Added Course on Quantitative Mastery for Engineers**

**Student List**

SL NO	USN	NAME	SL NO	USN	NAME
1	1CE15CS069	Maharudra	36	1CE17CSO38	H Pawan Kumar
2	1CE15CS093	Panchami B	37	1CE17CS041	Harshitha L
3	1CE15CS113	ROOPA SHREE R V	38	1CE17CS042	Hitha S
4	1CE15CS149	Syed Abdul Rehaman	39	1CE17CS044	Jahanavi B
5	1CE16CS003	Abhishek P V	40	1CE17CS045	JASIR AHMAD
6	1CE16CS006	Allam Nagendra prasad	41	1CE17CS046	K MALLIKARJUN
7	1CE16CS024	Chethan b g	42	1CE17CS047	K PAVITHRA
8	1CE16CS025	Chethan B G	43	1CE17CS048	KALPANA GJ
9	1CE16CS041	Karthik Kumar P	44	1CE17CS049	KAVANA D
10	1CE16CS051	Manohar D	45	1CE17CS050	KAVYASHREE S B
11	1CE16CS056	MUJEER AHMED	46	1CE17CS052	KRUPA D
12	1CE16CS052	Mohammed Burhaan	47	1CE17CS053	LATHA L
13	1CE16CS074	Rakshitha B	48	1CE17CS054	MADAN THARU
14	1CE16CS079	Reema R Kharavi	49	1CE17CS057	MANOJ KUMAR T
15	1CE16CS081	Roopitha K	50	1CE17CS058	MANORANJINI
16	1CE17CS003	ABHISHEK S	51	1CE17CS059	MEGHANA G
17	1CE17CS004	ADITYA PRASAD	52	1CE17CS062	MOHAMMED ALI BAIG
18	1CE17CS005	AISHWARYA B R	53	1CE17CS063	MOHAMMAD FAIZAL
19	1CE17CS006	AISHWARYA S	54	1CE17CS064	MOHAMMED SHAHID ULLA
20	1CE17CS007	AKAKANSHA GOWRI	55	1CE17CS065	MOHAMMED TAUSIF PASHA
21	1CE17CS008	AKSHAY AMRUT MORAB	56	1CE17CS066	MONIKA R
22	1CE17CS009	ANANDESHWAR. C SHETTAR	57	1CE17CS067	MUAAZ MERAZ
23	1CE17CS013	ANUSHA	58	1CE17CS068	MUJTABA NAYAZ
24	1CE17CS015	ANUSHA HIREMATH	59	1CE17CS070	MUSKAN K
25	1CE17CS016	APEKSHA BHARADWAJ .M	60	1CE17CS111	SHALINI G
26	1CE17CS018	ARVIND KUMAR G	61	1CE17CS112	SHANMUGA PRIYA G
27	1CE17CS022	Bhavana K	62	1CE17CS113	SHANTHA KUMARI M V
28	1CE17CS023	BHAVYA AGGARWAL	63	1CE17CS114	SHASHIDHARA S
29	1CE17CS024	Bhuvaneshwari M	64	1CE17CS115	SHAZIYA KOUSAR
30	1CE17CS029	Deeksha R	65	1CE17CS118	SHRAVANI J
31	1CE17CS032	Dikishita Jain	66	1CE17CS119	SHREYAS R GOWDA
32	1CE17CS033	Eerana T	67	1CE17CS120	SHUBHAM KUMAR
33	1CE17CS035	Gayathri B	68	1CE17CS122	SIMRAN BANU A
34	1CE17CS036	Gayathri B M	69	1CE17CS123	SINCHANA B G
35	1CE17CS037	Geetha S	70	1CE17CS124	SINDHU P PAI



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SL NO	USN	NAME
71	1CE17CS126	SOUNDARYA RAJ G
72	1CE17CS127	SRIDHAR D N
73	1CE17CS128	SRI LAKSHMI B A
74	1CE17CS129	SUMAIYA ARA KHANUM
75	1CE17CS130	SUMIT SAURAV
76	1CE17CS132	SWATHI P
77	1CE17CS133	SYED HASNAIN RAZA
78	1CE17CS134	TARIQ MOHAMMED SARFARAZ
79	1CE17CS136	THANUSHREE B M
80	1CE17CS137	THEJAS MURTHY R
81	1CE17CS138	THEJESHWARI S
82	1CE17CS139	UMAA MAHESHWARI S V
83	1CE17CS141	VANDANA M
84	1CE17CS143	VIDHYADHAR JOSHI
85	1CE17CS144	VINDYA SHREE P
86	1CE17CS145	VINUTHA D B
87	1CE17CS146	VISHAL KUMAR
88	1CE17CS150	ZAIBA BEGUM
89	1CE17CS152	VASAVI D S
90	1CE17CS098	S Bhavya Sri

**Co-Ordinator**  
**Mr. Girisha G A**

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



**Department of Computer Science and Engineering**

**Value Added Course on Quantitative Mastery for Engineers**

**Attendance List**

SL NO	USN	NAME	24-5-2021	25-5-2021	26-5-2021	27-5-2021	28-5-2021
1	1CE15CS069	Maharudra	P	A	P	P	P
2	1CE15CS093	Panchami B	A	P	P	P	A
3	1CE15CS113	ROOPA SHREE R V	P	A	P	P	P
4	1CE15CS149	Syed Abdul Rehman	A	P	P	P	A
5	1CE16CS003	Abhishek P V	P	A	P	P	P
6	1CE16CS006	Allam Nagendra prasad	A	P	P	P	A
7	1CE16CS024	Chethan b g	P	A	P	P	P
8	1CE16CS025	Chethan B G	A	P	P	P	A
9	1CE16CS041	Karthik Kumar P	P	A	P	P	P
10	1CE16CS051	Manohar D	A	P	P	P	A
11	1CE16CS056	MUJEER AHMED	P	A	P	P	P
12	1CE16CS052	Mohammed Burhaan	A	P	P	P	A
13	1CE16CS074	Rakshitha B	P	A	P	P	P
14	1CE16CS079	Reema R Kharavi	A	P	P	P	A
15	1CE16CS081	Roopitha K	P	A	P	P	P
16	1CE17CS003	ABHISHEK S	A	P	P	P	A
17	1CE17CS004	ADITYA PRASAD	P	A	P	P	P
18	1CE17CS005	AISHWARYA B R	A	P	P	P	A
19	1CE17CS006	AISHWARYA S	P	A	P	P	P
20	1CE17CS007	AKAKANSHA GOWRI	A	P	P	A	P
21	1CE17CS008	AKSHAY AMRUT MORAB	P	A	P	P	P
22	1CE17CS009	ANANDESHWAR. C SHETTAR	A	P	P	P	A
23	1CE17CS013	ANUSHA	P	A	P	P	P
24	1CE17CS015	ANUSHA HIREMATH	A	P	P	P	A
25	1CE17CS016	APEKSHA BHARADWAJ .M	P	A	P	P	P
26	1CE17CS018	ARVIND KUMAR G	A	P	P	P	A
27	1CE17CS022	Bhavana K	P	A	P	P	P
28	1CE17CS023	BHAVYA AGGARWAL	A	P	P	P	A
29	1CE17CS024	Bhuvaneshwari M	P	A	P	P	P
30	1CE17CS029	Deeksha R	P	P	A	P	A
31	1CE17CS032	Dikishita Jain	P	A	P	P	P
32	1CE17CS033	Eeerana T	A	P	P	P	A
33	1CE17CS035	Gayathri B	P	A	P	P	P
34	1CE17CS036	Gayathri B M	A	P	P	P	A
35	1CE17CS037	Geetha S	P	A	P	P	P
36	1CE17CS038	H Pawan Kumar	A	P	P	P	A



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37	1CE17CS041	Harshitha L	P	A	P	P	P
38	1CE17CS042	Hitha S	A	P	P	P	A
39	1CE17CS044	Jahanavi B	P	A	P	P	P
40	1CE17CS045	JASIR AHMAD	P	A	P	P	P
41	1CE17CS046	K MALLIKARJUN	A	P	P	P	A
42	1CE17CS047	K PAVITHRA	P	A	P	P	P
43	1CE17CS048	KALPANA GJ	A	P	P	P	A
44	1CE17CS049	KAVANA D	P	A	P	P	P
45	1CE17CS050	KAVYASHREE S B	A	P	P	P	A
46	1CE17CS052	KRUPA D	P	A	P	P	P
47	1CE17CS053	LATHA L	A	P	P	P	A
48	1CE17CS054	MADAN THARU	P	A	P	P	P
49	1CE17CS057	MANOJ KUMAR T	A	P	P	P	A
50	1CE17CS058	MANORANJINI	P	A	P	P	P
51	1CE17CS059	MEGHANA G	A	P	P	P	A
52	1CE17CS062	MOHAMMED ALI BAIG	P	A	P	P	P
53	1CE17CS063	MOHAMMAD FAIZAL	A	P	P	P	A
54	1CE17CS064	MOHAMMED SHAHID ULLA	P	A	P	P	P
55	1CE17CS065	MOHAMMED TAUSIF PASHA	A	P	P	P	A
56	1CE17CS066	MONIKA R	P	A	P	P	P
57	1CE17CS067	MUAAZ MERAZ	A	P	P	P	A
58	1CE17CS068	MUJTABA NAYAZ	P	A	P	P	P
59	1CE17CS070	MUSKAN K	A	P	P	A	P
60	1CE17CS111	SHALINI G	P	A	P	P	P
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62	1CE17CS113	SHANTHA KUMARI M V	P	A	P	P	P
63	1CE17CS114	SHASHIDHARA S	A	P	P	P	A
64	1CE17CS115	SHAZIYA KOUSAR	P	A	P	P	P
65	1CE17CS118	SHRAVANI J	A	P	P	P	A
66	1CE17CS119	SHREYAS R GOWDA	P	A	P	P	P
67	1CE17CS120	SHUBHAM KUMAR	A	P	P	P	A
68	1CE17CS122	SIMRAN BANU A	P	A	P	P	P
69	1CE17CS123	SINCHANA B G	P	P	A	P	A
70	1CE17CS124	SINDHU P PAI	P	A	P	P	P
71	1CE17CS126	SOUNDARYA RAJ G	A	P	P	P	A
72	1CE17CS127	SRIDHAR D N	P	A	P	P	P
73	1CE17CS128	SRI LAKSHMI B A	A	P	P	P	A
74	1CE17CS129	SUMAIYA ARA KHANUM	P	A	P	P	P
75	1CE17CS130	SUMIT SAURAV	A	P	P	P	A
76	1CE17CS132	SWATHI P	P	A	P	P	P
77	1CE17CS133	SYED HASNAIN RAZA	A	P	P	P	A
78	1CE17CS134	TARIQ MOHAMMED SARFARAZ	P	A	P	P	P



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79	1CE17CS136	THANUSHREE B M	P	P	A	P	P
80	1CE17CS137	THEJAS MURTHY R	P	A	P	P	P
81	1CE17CS138	THEJESHWARI S	A	P	P	P	A
82	1CE17CS139	UMAA MAHESHWARI S V	P	A	P	P	P
83	1CE17CS141	VANDANA M	A	P	P	P	A
84	1CE17CS143	VIDHYADHAR JOSHI	P	A	P	P	P
85	1CE17CS144	VINDYA SHREE P	A	P	P	P	A
86	1CE17CS145	VINUTHA D B	P	A	P	P	P
87	1CE17CS146	VISHAL KUMAR	A	P	P	P	A
88	1CE17CS150	ZAIBA BEGUM	P	A	P	P	P
89	1CE17CS152	VASAVI D S	A	P	P	P	A
90	1CE17CS098	S Bhavya Sri	P	A	P	P	P

**Co-Ordinator**  
**Mr. Girisha G A**

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



## Department of Computer Science and Engineering

Academic Year: 2020 – 2021

Date: 24-05-2021 to 28-05-2021

### Value Added Course on Quantitative Mastery for Engineers

**Feedback form**

\* Indicates required question

1. Name of the Participant \*

\_\_\_\_\_

2. Course objectives were stated clearly and met \*

*Mark only one oval.*

Agree  
 Neutral  
 Disagree

3. The Course content was well organized \*

*Mark only one oval.*

Agree  
 Neutral  
 Disagree

4. Course content enhanced my knowledge on Data Analytics with Python \*

*Mark only one oval.*

Agree  
 Disagree  
 Neutral

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5. Doubts were cleared by the resource person \*

*Mark only one oval.*

Agree  
 Disagree  
 Neutral

6. Give overall rating (1 being high) \*

*Mark only one oval.*

1  
 2  
 3

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FIG 1: SCREENSHOT OF FEEDBACK



**Department of Computer Science and Engineering**

Academic Year: 2020 – 2021

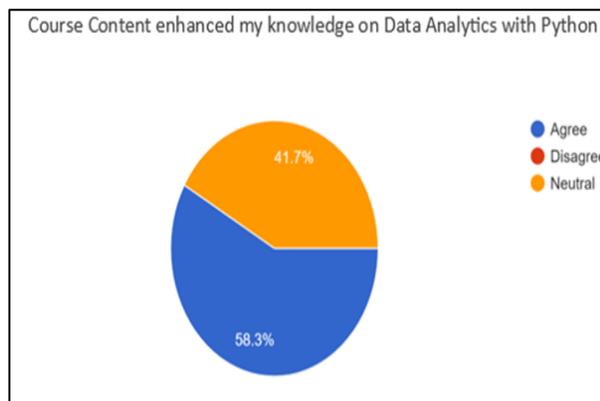
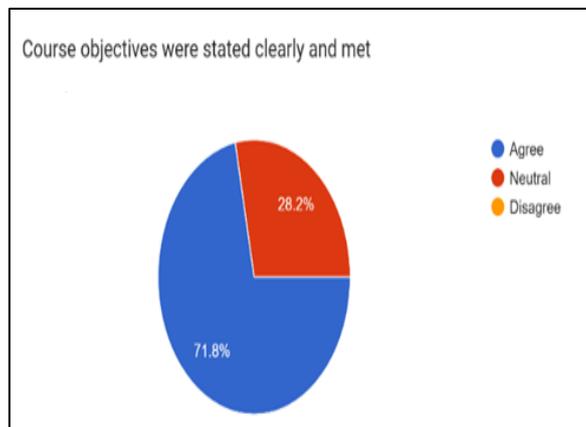
Date: 24-05-2021 to 28-05-2021

**Value Added Course on Quantitative Mastery for Engineers**

**Student Feedback Analysis**

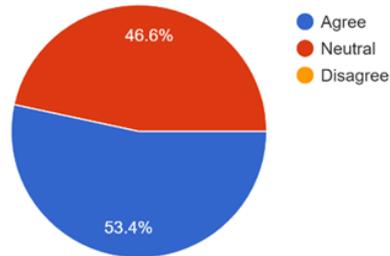
**Sample Feedback**

Timestamp	Name of the participant	Course objectives were stated clearly and met	The Course content was well organized	Course content enhanced my knowledge on Quantitative Mastery for Engineers	Doubts were cleared by the resource person	Give overall rating (1 being high)
05/28/202118:52	THEJESHWARI S	Agree	Agree	Agree	Agree	2
05/28/202118:52	UMAA MAHESHWARI S V	Agree	Agree	Neutral	Agree	2
05/28/202118:52	VANDANA M	Agree	Agree	Agree	Neutral	1
05/28/202118:52	VIDHYADHAR JOSHI	Agree	Agree	Agree	Agree	1
05/28/202118:53	VINDYA SHREE P	Neutral	Agree	Neutral	Agree	2
05/28/202118:54	ADITYA S	Agree	Agree	Agree	Agree	1
05/28/202118:56	DHANUSH N S	Agree	Agree	Agree	Agree	1
05/28/202118:56	GIRISH S	Agree	Agree	Agree	Neutral	2
05/28/202118:56	CHANDAN KUMAR S	Agree	Neutral	Agree	Agree	1
05/28/202118:57	PRADEEPKUMAR P	Agree	Agree	Agree	Agree	1

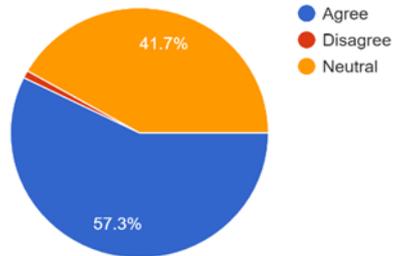




The Course content was well organized



Doubts were cleared by the resource person



Give overall rating (1 being high)

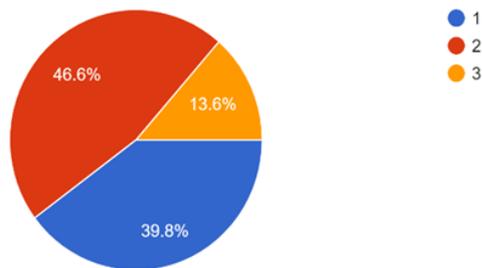


FIG 2: FEEDBACK ANALYSIS

### Course Outcome

The students will be able to:

1. Demonstrate a profound understanding of foundational mathematical concepts, including number systems, arithmetic operations, and algebraic expressions.



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2. They will exhibit advanced problem-solving skills in areas such as geometry, mensuration, and statistical analysis, showcasing the ability to apply mathematical principles to engineering scenarios.
  3. Participants will develop a heightened proficiency in interpreting data through graphs and charts, enabling them to make informed decisions based on quantitative information.
  4. The course will empower individuals with the skills to confidently handle advanced topics like time, speed, distance, ratio, and proportion, enhancing their quantitative reasoning abilities.
  5. Ultimately, participants will be well-prepared for competitive exams, campus placements, and real-world engineering challenges, equipped with a comprehensive quantitative aptitude skill set.

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

**Co-Ordinator**  
**Mr. Girisha G A**

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

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



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## Department of Computer Science and Engineering

### A Report on Value Added Course on Quantitative Mastery for Engineers

A five days' Value Added Course on “Quantitative Mastery for Engineers” was successfully conducted in the city engineering college, from 24-05-2021 to 28-05-2021 by Department of Computer Science and Engineering. The course sessions received an overwhelming response from participants.

This course is a dynamic and intensive program designed to enable participants be well-equipped to foster a culture of innovation, generate creative solutions to challenges, and contribute effectively to the development of innovative ideas in diverse professional and personal settings.

#### Day 1: Foundations of Mathematics

On the first day, participants were introduced to the fundamentals of quantitative aptitude. The session covered topics such as number systems, basic arithmetic operations, and powers and roots. Activities included practice problems and group discussions to strengthen the participants' grasp of these foundational concepts.

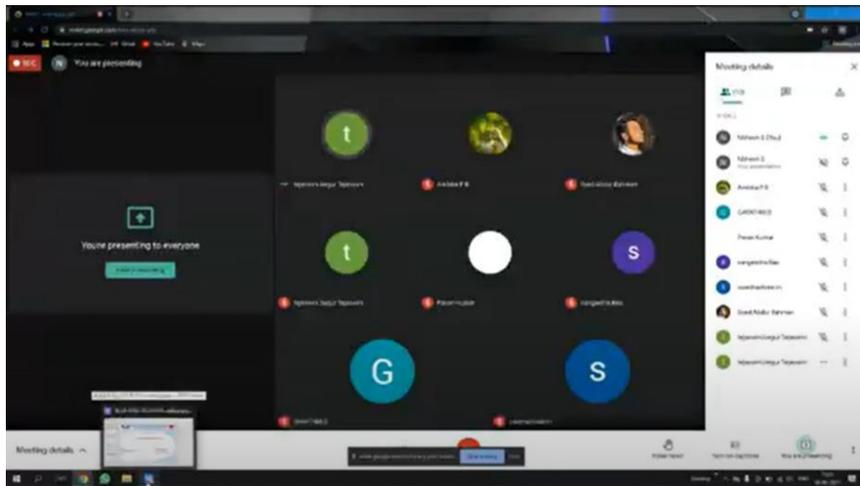


FIG 3: SCREENSHOT OF SESSION

#### Day 2: Algebra and Equations

The second day delved into algebraic expressions, linear equations, and quadratic equations. In interactive problem-solving sessions, participants applied these concepts to real-world scenarios. Factorization techniques were explored, providing a solid foundation for more complex problem-solving.

#### Day 3: Geometry and Mensuration

Geometry and mensuration were the focus of day three, where participants engaged in problem-solving exercises related to triangles, quadrilaterals, circles, and cylinders. Practical



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applications of rectangular coordinates and mensuration concepts, including area and volume calculations, were explored.

#### **Day 4: Data Interpretation and Statistics**

The fourth day was dedicated to data interpretation techniques, graphs, and charts. Participants also delved into statistical measures such as central tendency and dispersion. The session included hands-on activities for interpreting data patterns and understanding probability.

#### **Day 5: Advanced Topics and Mock Test**

On the final day, participants explored advanced topics such as time, speed, and distance, as well as ratio and proportion. The day concluded with a comprehensive mock test, allowing participants to apply their knowledge and skills. A review session provided valuable insights for improvement.

Throughout the five-day intensive workshop, participants actively engaged in problem-solving activities, group discussions, and mock tests. The course successfully equipped engineering students with a robust understanding of quantitative aptitude, enhancing their abilities to tackle various challenges in academic assessments and real-world engineering scenarios.

Handwritten signature of Mr. Girisha G A in black ink.

**Coordinator**  
**Mr. Girisha G A**

Handwritten signature of Mr. Vivekavardhana Reddy in black ink.

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

Handwritten signature of Dr. V S Ramamurthy in green ink.

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

# CHIEF PATRON

Dr. K R Paramahamsa,  
Chairman,  
AMC-City - Brooklyn Group of  
institution

# PATRONS

Dr. V S Ramamurthy, Principal,CEC  
Dr. Jyothi P,Vice Principal,CEC

# CONVENOR

Mr. Vivekavardhana Reddy, HOD,  
CSE

# COORDINATORS

Prof. Girisha G A, Asst.Prof, CSE  
Prof. Ambika P R, Asst. Prof, CSE

## About College

City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 20 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 centre of talented, experienced teachers who inspire and energize the students to achieve the best.

**Resource Person**  
**Ms. K Krishna Bai**  
Freelance trainer in  
Quantitative aptitude and  
logical reasoning

## About The Course

Empower engineering students with essential quantitative skills through a comprehensive 5-day course. From foundational concepts to advanced problem-solving, gain the expertise needed for academic success and real-world engineering challenges.

## About The Department

The Department of Computer Science & Engineering was started in the year 2001 is known for imparting Quality education and carrying out cutting edge research. In addition to the UG program, PG CSE program and Research facilities for Ph.D. The department offers undergraduate program and has a comprehensive curriculum on topics related to software and hardware with an emphasis on theoretical and practical learning. It has well equipped, state of the art laboratories supported by highspeed Internet and wireless networks.

### CONTACT DETAILS

Prof. Ambika P R, Asst.Prof, CSE  
PH: 9945133228



# CITY ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



Value Added Course  
On

**QUANTITATIVE MASTERY FOR  
ENGINEERS**

24th to 28th May 2021

**Elevate your mathematical  
pro prowess, excel in exams, and  
conquer real-world  
engineering challenges with  
precision and confidence**

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

MADHAN THARU

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "QUANTITATIVE MASTERY FOR ENGINEERS" UNDER VALUE ADDED COURSE FROM 24TH TO 28TH MAY 2021



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

N JAIPRIYA

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "QUANTITATIVE MASTERY FOR ENGINEERS" UNDER VALUE ADDED COURSE FROM 24TH TO 28TH MAY 2021



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

ADITYA S

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "QUANTITATIVE MASTERY FOR ENGINEERS" UNDER VALUE ADDED COURSE FROM 24TH TO 28TH MAY 2021



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

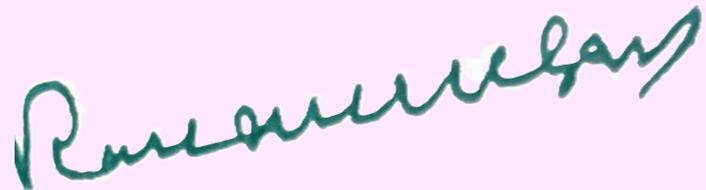
THIS CERTIFICATE IS PROUDLY AWARDED TO

SURAJ B S

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "QUANTITATIVE MASTERY FOR ENGINEERS" UNDER VALUE ADDED COURSE FROM 24TH TO 28TH MAY 2021



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

PAVAN KALYAN S

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "QUANTITATIVE MASTERY FOR ENGINEERS" UNDER VALUE ADDED COURSE FROM 24TH TO 28TH MAY 2021



HEAD OF DEPARTMENT



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**CITY**  
ENGINEERING COLLEGE

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

**Academic Year 2020- 2021**

**Value Added Course**

**On**

**Business Writing Skills**

**26<sup>th</sup> to 30<sup>th</sup> April 2021**



**CITY**  
ENGINEERING COLLEGE

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Date: 16-04-2021

To

The Principal  
City Engineering College  
Bangalore

Sub: Regarding permission to conduct a value-added course

Respected Sir,

We would like to conduct a Value-added course on “Business Writing Skills” for second year students from 26<sup>th</sup> to 30<sup>th</sup> April 2021. This business writing skills course strategically bridges the gap between industry and academia by combining theoretical knowledge with practical application. Participants gain a solid foundation in essential business writing principles, ensuring alignment with academic standards. Simultaneously, the course emphasizes real-world applications, incorporating industry-specific scenarios and challenges to enhance practical skills. 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

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## Department of Computer Science and Engineering

RefNo: CEC/CSE/C1/1.2.1/ACY 2020-21/OR/03

Date: 19/ 04/2021

### CIRCULAR

**Sub:** Conducting a Value-added course

This is to inform all the second year students that a 5-day value added course on **Business writing skills** by Mr. Sharath B S, Senior Program Manager, Last Mile Quality, Amazon Development Centre, Bangalore, India has been organized from 26<sup>th</sup> to 30<sup>th</sup> April 2021 in online mode. All the students have to participate compulsorily for the same. Attendance will be viewed strictly. All the students are hereby instructed to attend the session and get the maximum benefits.

A handwritten signature in black ink, appearing to be 'Vivekavardhana Reddy'.

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



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## Department of Computer Science and Engineering

Value-added course on Business Writing Skills

Date: 26-04-2021 to 30-04-2021

### Schedule

Academic Year: 2020-21

Date	Session 1 (9:15 – 11:15)	Session 2 (11:15 – 1:15)	Session 3 (2:00 – 4:00)
26-04-2021	Introduction to Business Writing	Understanding the Audience	Basics of Grammar and Punctuation
27-04-2021	Structure and Organization	Professional Email Writing	Writing Reports and Proposals
28-04-2021	Business Letters and Memos	Editing and Proofreading Techniques	Writing for Different Platforms
29-04-2021	Developing a Business Writing Style	Handling Sensitive Topics	Case Studies and Real-world Applications
30-04-2021	Writing Workshop	Course Conclusion and Certification	Review and Q&A

**Co-Ordinator**  
**Mrs Archana Bhat**

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



**CITY**  
ENGINEERING COLLEGE

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## Department of Computer Science and Engineering

### Value Added Course on Business Writing Skills

#### Course Content

Module	Content
1	Introduction to Business Writing
	Understanding the Audience
	Basics of Grammar and Punctuation
2	Structure and Organization
	Professional Email Writing
	Writing Reports and Proposals
3	Business Letters and Memos
	Editing and Proofreading Techniques
	Writing for Different Platforms
4	Developing a Business Writing Style
	Handling Sensitive Topics
	Case Studies and Real-world Applications
5	Review and Q&A
	Writing Workshop
	Course Conclusion and Certification

**Co-Ordinator**  
**Mrs Archana Bhat**

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



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## Department of Computer Science and Engineering

### Value Added Course on Business Writing Skills

Date: 26-04-2021 to 30-04-2021

#### Resource Person Profile

Sharath B S has 7 years of experience in retail, automobile, and manufacturing industries. He has expertise in Program Management, Product Development, Technical Consulting, Stakeholder Management, and Operations Management. He has developed end-end product solutions for global automobile OEMs and managed strategic programs to enable efficient last mile delivery.

Sharath has experience at the Amazon Development Center India, Robert Bosch Engineering and Business Solutions Pvt Ltd, and Dynatech Tools and Devices Pvt Ltd. He has led teams of 6 engineers for 10 projects across segments for 5 global and Indian OEMs, enabling them to achieve BS4, BS6, and Trem4 emission norms.

He has also developed and implemented an end-to-end data measurement and analysis process, saving 800 man-hours per year. He has also innovated a software solution to existing hardware, resulting in savings of INR 5 million per year for the customer.

Sharath has worked as a quality controller at Dynatech Tools and Devices Pvt Ltd, where he ensured conformity to design and facilitated on-time availability of right-level products. He has also volunteered as an instructor for trade apprentices at Bosch Vocational Centre and trained 40+ internal and external stakeholders from various Indian OEMs on diesel air system calibration.

In addition to his work in retail, automobile, and manufacturing, Sharath has been involved in various certifications and extra-curricular activities. He holds a KPMG Certified Lean Six Sigma Green Belt and has served as an instructor for trade apprentices at Bosch Vocational Centre.



## Department of Computer Science and Engineering

Academic Year: 2020-2021

Date: 26-04-2021 to 30-04-2021

### Value Added Course on Business Writing Skills

#### List of Students enrolled

SL NO	USN	NAME
1	1CE19CS001	AAKASH T E
2	1CE19CS002	ACHYUTH MAHESH HEGDE
3	1CE19CS003	AFRID PASHA
4	1CE19CS004	AISHWARYA B M
5	1CE19CS005	AISHWARYA C
6	1CE19CS006	AMIR REHAN
7	1CE19CS007	AMITH SINGH M
8	1CE19CS008	ANANYA BHOMBORE
9	1CE19CS009	APOORVA R SHET
10	1CE19CS010	ARSHAD ULLA Z
11	1CE19CS011	ARTEE KUMARI R
12	1CE19CS012	ASHWINI B
13	1CE19CS013	B M PUNEETH
14	1CE19CS014	BHANU PRAKASH R
15	1CE19CS015	BHAVANA S
16	1CE19CS016	BHOLAY NATH SINGH
17	1CE19CS017	BINDHUSHREE G
18	1CE19CS018	CHANDAN KUMAR C
19	1CE19CS019	D Y CHANDANA
20	1CE19CS020	CHANDINI R P
21	1CE19CS021	CHARANSIMHA D
22	1CE19CS022	CHETAN S
23	1CE19CS023	CHETHAN R
24	1CE19CS024	CHETHANRAJ H
25	1CE19CS025	CHIRANJEEVI V

SL NO	USN	NAME
26	1CE19CS026	DARSHAN K
27	1CE19CS027	DEEPAK JADON
28	1CE19CS028	DEEPTHY RASHMI R
29	1CE19CS029	DHANUSH S
30	1CE19CS030	DIVYA S A
31	1CE19CS031	FOZAIL AHMED
32	1CE19CS032	GEETHANSH P
33	1CE19CS033	HARISH BABU K P
34	1CE19CS034	HARSHITH G R
35	1CE19CS035	HEMANTH V
36	1CE19CS036	IMRAN KHAN N
37	1CE19CS037	IQRA FATHIMA
38	1CE19CS038	JAANESHWAR D A
39	1CE19CS039	JEEVAN M
40	1CE19CS040	JYOTHI SHREE S R
41	1CE19CS041	KAVANA B
42	1CE19CS043	KEERTHI KUMARI
43	1CE19CS044	KISHAN GOWDA
44	1CE19CS045	KRITHIKA N KOUSHIK
45	1CE19CS046	KRUTTIKA KIRANKUMAR BHOMKAR
46	1CE19CS047	MANASA R
47	1CE19CS048	MANOHAR M
48	1CE19CS049	MANOJ M K
49	1CE19CS050	MANOJ R
50	1CE19CS051	MARIA MONICA P



SL NO	USN	NAME
51	1CE19CS052	MOHAMMED UZAIR BAIG
52	1CE19CS053	MOHAMMED SAMEER
53	1CE19CS054	MONIKA J
54	1CE19CS055	MRITUNJAY MISHRA
55	1CE19CS056	MRUDULA S PRASAD
56	1CE19CS057	MULGE SHIVA RAHUL KUMAR
57	1CE19CS058	NISHANTH NAYAKA N R
58	1CE19CS059	NITHIN RAAJ GOWDA S
59	1CE19CS060	POOJA SURESH
60	1CE19CS061	POOJASHREE K
61	1CE19CS062	PRABHANJAN V KOLAR
62	1CE19CS063	PRASHANTH K
63	1CE19CS064	PRATHAM S
64	1CE19CS065	PREETHI C K
65	1CE19CS066	R FAZEELA FATHIMA
66	1CE19CS067	RAHUL K R
67	1CE19CS068	RAKSHANDA AIMAN GOLANDAZ
68	1CE19CS069	RAKSHITHA C R
69	1CE19CS070	RAKSHITHA G M
70	1CE19CS071	RATNADEEP ANIL MORE
71	1CE19CS072	ROHIT GEHLOT
72	1CE19CS073	SACHIN H M
73	1CE19CS074	SAGAR T R
74	1CE19CS075	SAHANA GOPALKRISHNA HEBBAR
75	1CE19CS076	SAIMA SHEIK

SL NO	USN	NAME
76	1CE19CS077	SALFIYA MUSKAAN
77	1CE19CS078	SAMBANGI SAI TEJA
78	1CE19CS079	SANGEETHA M .S
79	1CE19CS080	SHALINI R
80	1CE19CS081	SHANKARLINGA M MATTIMANI
81	1CE19CS082	SHARADHI SHETTY D
82	1CE19CS083	SHIVAPRASAD M B
83	1CE19CS084	SHIVARAJ HIREMATH
84	1CE19CS085	SPOORTHI H M
85	1CE19CS086	SRISHTI SHARMA
86	1CE19CS087	SRIVATSA S
87	1CE19CS088	SRUSTI K G
88	1CE19CS089	SUMAN S
89	1CE19CS090	SUMMAIYA TAJ A
90	1CE19CS091	SUMUKH K
91	1CE19CS092	SYED MUTAIBULLA
92	1CE19CS093	TABREZ KHAN
93	1CE19CS094	TARUN G
94	1CE19CS095	TAUQEER AHMED
95	1CE19CS096	VEERESH BUDESHREDDY PATIL
96	1CE19CS097	VEERKUMAR SOMANAGOWDABIRADARA
97	1CE19CS098	VIDYA D
98	1CE19CS099	VINITHA V
99	1CE19CS100	VISHNU P
100	1CE19CS101	VISHRUTHA V



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SL NO	USN	NAME
101	1CE19CS102	VIVEK B U
102	1CE19CS103	X SEMANTHA MERCY
103	1CE18CS007	ANISHA SAMPANNA
104	1CE18CS032	KAVANA SAGAR H
105	1CE18CS038	LAKSHMEESH D
106	1CE18CS043	MEZY SANDRA DSOUZA
107	1CE18CS051	NIRANJAN M
108	1CE18CS063	RAHUL KUMAR
109	1CE18CS066	SAHANA R
110	1CE18CS072	SHILPA N
111	1CE18CS074	SHRAAVYA S
112	1CE18CS076	SHREYAS B S GOWDA
113	1CE18CS077	SHREYAS V
114	1CE18CS091	ULLAS M
115	1CE18CS096	VARSHA H
116	1CE20CS400	CHAKALA ARCHANA
117	1CE20CS401	PRADEEP K S

*Archan*

**Co-Ordinator**  
**Mrs Archana Bhat**

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



## Department of Computer Science and Engineering

### Value Added Course on Business Writing Skills

#### Attendance List

SL NO	USN	NAME	26-04-2021	27-04-2021	28-04-2021	29-04-2021	30-04-2021
1	1CE19CS001	AAKASH T E	P	A	P	P	P
2	1CE19CS002	ACHYUTH MAHESH HEGDE	A	P	P	P	A
3	1CE19CS003	AFRID PASHA	P	A	P	P	P
4	1CE19CS004	AISHWARYA B M	A	P	P	P	A
5	1CE19CS005	AISHWARYA C	P	A	P	P	P
6	1CE19CS006	AMIR REHAN	A	P	P	P	A
7	1CE19CS007	AMITH SINGH M	P	A	P	P	P
8	1CE19CS008	ANANYA BHOMBORE	A	P	P	P	A
9	1CE19CS009	APOORVA R SHET	P	A	P	P	P
10	1CE19CS010	ARSHAD ULLA Z	A	P	P	P	A
11	1CE19CS011	ARTEE KUMARI R	P	A	P	P	P
12	1CE19CS012	ASHWINI B	A	P	P	P	A
13	1CE19CS013	B M PUNEETH	P	A	P	P	P
14	1CE19CS014	BHANU PRAKASH R	A	P	P	P	A
15	1CE19CS015	BHAVANA S	P	A	P	P	P
16	1CE19CS016	BHOLAY NATH SINGH	A	P	P	P	A
17	1CE19CS017	BINDHUSHREE G	P	A	P	P	P
18	1CE19CS018	CHANDAN KUMAR C	A	P	P	P	A
19	1CE19CS019	D Y CHANDANA	P	A	P	P	P
20	1CE19CS020	CHANDINI R P	A	P	P	A	P
21	1CE19CS021	CHARANSIMHA D	P	A	P	P	P
22	1CE19CS022	CHETAN S	A	P	P	P	A
23	1CE19CS023	CHETHAN R	P	A	P	P	P
24	1CE19CS024	CHETHANRAJ H	A	P	P	P	A
25	1CE19CS025	CHIRANJEEVI V	P	A	P	P	P
26	1CE19CS026	DARSHAN K	A	P	P	P	A
27	1CE19CS027	DEEPAK JADON	P	A	P	P	P
28	1CE19CS028	DEEPTHY RASHMI R	A	P	P	P	A
29	1CE19CS029	DHANUSH S	P	A	P	P	P
30	1CE19CS030	DIVYA S A	P	P	A	P	A
31	1CE19CS031	FOZAIL AHMED	P	A	P	P	P
32	1CE19CS032	GEETHANSH P	A	P	P	P	A
33	1CE19CS033	HARISH BABU K P	P	A	P	P	P
34	1CE19CS034	HARSHITH G R	A	P	P	P	A



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SL NO	USN	NAME	26-04-2021	27-04-2021	28-04-2021	29-04-2021	30-04-2021
35	1CE19CS035	HEMANTH V	P	A	P	P	P
36	1CE19CS036	IMRAN KHAN N	A	P	P	P	A
37	1CE19CS037	IQRA FATHIMA	P	A	P	P	P
38	1CE19CS038	JAANESHWAR DA	A	P	P	P	A
39	1CE19CS039	JEEVAN M	P	A	P	P	P
40	1CE19CS040	JYOTHI SHREE S R	A	P	P	P	A
41	1CE19CS041	KAVANA B	P	A	P	P	P
42	1CE19CS043	KEERTHI KUMARI	A	P	P	P	A
43	1CE19CS044	KISHAN GOWDA	P	A	P	P	P
44	1CE19CS045	KRITHIKA N KOUSHIK	A	P	P	P	A
45	1CE19CS046	KRUTTIKA KIRANKUMAR	P	A	P	P	P
46	1CE19CS047	MANASA R	A	P	P	P	A
47	1CE19CS048	MANOHAR M	P	A	P	P	P
48	1CE19CS049	MANOJ M K	A	P	P	P	A
49	1CE19CS050	MANOJ R	P	A	P	P	P
50	1CE19CS051	MARIA MONICA P	A	P	P	P	A
51	1CE19CS052	MOHAMMED UZAIR BAIG	P	A	P	P	P
52	1CE19CS053	MOHAMMED SAMEER	A	P	P	P	A
53	1CE19CS054	MONIKA J	P	A	P	P	P
54	1CE19CS055	MRITUNJAY MISHRA	A	P	P	A	P
55	1CE19CS056	MRUDULA S PRASAD	P	A	P	P	P
56	1CE19CS057	MULGE SHIVA RAHUL KUMAR	A	P	P	P	A
57	1CE19CS058	NISHANTH NAYAKA N R	P	A	P	P	P
58	1CE19CS059	NITHIN RAAJ GOWDA S	A	P	P	P	A
59	1CE19CS060	POOJA SURESH	P	A	P	P	P
60	1CE19CS061	POOJASHREE K	A	P	P	P	A
61	1CE19CS062	PRABHANJAN V KOLAR	P	A	P	P	P
62	1CE19CS063	PRASHANTH K	A	P	P	P	A
63	1CE19CS064	PRATHAM S	P	A	P	P	P
64	1CE19CS065	PREETHI C K	P	P	A	P	A
65	1CE19CS066	R FAZEELA FATHIMA	P	A	P	P	P
66	1CE19CS067	RAHUL K R	A	P	P	P	A
67	1CE19CS068	RAKSHANDA AIMAN GOLANDAZ	P	A	P	P	P
68	1CE19CS069	RAKSHITHA C R	A	P	P	P	A
69	1CE19CS070	RAKSHITHA G M	P	A	P	P	P
70	1CE19CS071	RATNADEEP ANIL MORE	A	P	P	P	A
71	1CE19CS072	ROHIT GEHLOT	P	A	P	P	P
72	1CE19CS073	SACHIN H M	A	P	P	P	A
73	1CE19CS074	SAGAR T R	P	A	P	P	P



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SL NO	USN	NAME	26-04-2021	27-04-2021	28-04-2021	29-04-2021	30-04-2021
74	1CE19CS075	SAHANA GOPALKRISHNA HEBBAR	A	P	P	P	A
75	1CE19CS076	SAIMA SHEIK	P	A	P	P	P
76	1CE19CS077	SALFIYA MUSKAAN	A	P	P	P	A
77	1CE19CS078	SAMBANGI SAI TEJA	P	A	P	P	P
78	1CE19CS079	SANGEETHA M .S	A	P	P	P	A
79	1CE19CS080	SHALINI R	P	A	P	P	P
80	1CE19CS081	SHANKARLINGA M MATTIMANI	A	P	P	P	A
81	1CE19CS082	SHARADHI SHETTY D	P	A	P	P	P
82	1CE19CS083	SHIVAPRASAD M B	A	P	P	P	A
83	1CE19CS084	SHIVARAJ HIREMATH	P	A	P	P	P
84	1CE19CS085	SPOORTHI H M	A	P	P	A	P
85	1CE19CS086	SRISHTI SHARMA	P	A	P	P	P
86	1CE19CS087	SRIVATSA S	A	P	P	P	A
87	1CE19CS088	SRUSTI K G	P	A	P	P	P
88	1CE19CS089	SUMAN S	A	P	P	P	A
89	1CE19CS090	SUMMAIYA TAJ A	P	A	P	P	P
90	1CE19CS091	SUMUKH K	A	P	P	P	A
91	1CE19CS092	SYED MUTAIBULLA	P	A	P	P	P
92	1CE19CS093	TABREZ KHAN	A	P	P	P	A
93	1CE19CS094	TARUN G	P	A	P	P	P
94	1CE19CS095	TAUQEER AHMED	P	P	A	P	A
95	1CE19CS096	VEERESH BUDESHREDDY PATIL	P	A	P	P	P
96	1CE19CS097	VEERKUMARSOMAN AGOWDABIRADARA	A	P	P	P	A
97	1CE19CS098	VIDYA D	P	A	P	P	P
98	1CE19CS099	VINITHA V	A	P	P	P	A
99	1CE19CS100	VISHNU P	P	A	P	P	P
100	1CE19CS101	VISHRUTHA V	A	P	P	P	A
101	1CE19CS102	VIVEK B U	P	A	P	P	P
102	1CE19CS103	X SEMANTHA MERCY	A	P	P	P	A
103	1CE18CS007	ANISHA SAMPANNA	A	P	P	P	A
104	1CE18CS032	KAVANA SAGAR H	P	A	P	P	P
105	1CE18CS038	LAKSHMEESH D	A	P	P	P	A
106	1CE18CS043	MEZY SANDRA DSOUZA	P	A	P	P	P
107	1CE18CS051	NIRANJAN M	A	P	P	P	A
108	1CE18CS063	RAHUL KUMAR	P	A	P	P	P
109	1CE18CS066	SAHANA R	A	P	P	P	A



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SL NO	USN	NAME	26-04-2021	27-04-2021	28-04-2021	29-04-2021	30-04-2021
110	1CE18CS072	SHILPA N	A	P	P	P	A
111	1CE18CS074	SHRAAVYA S	P	A	P	P	P
112	1CE18CS076	SHREYAS B S GOWDA	A	P	P	P	A
113	1CE18CS077	SHREYAS V	P	A	P	P	P
114	1CE18CS091	ULLAS M	A	P	P	P	A
115	1CE18CS096	VARSHA H	P	A	P	P	P
116	1CE20CS400	CHAKALA ARCHANA	A	P	P	P	A
117	1CE20CS401	PRADEEP K S	P	A	P	P	P

**Note:** There were absentees because of the network issues faced during the online session.

**Co-Ordinator**  
**Mrs Archana Bhat**

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



## Department of Computer Science and Engineering

Academic Year: 2020-2021

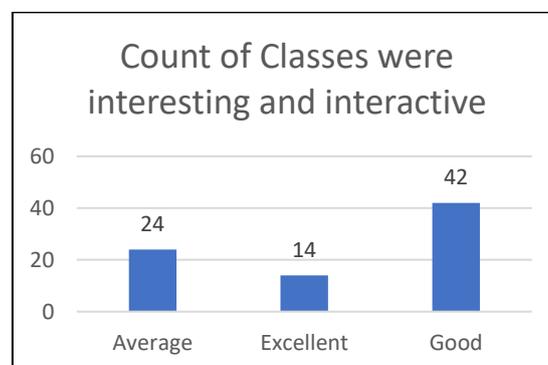
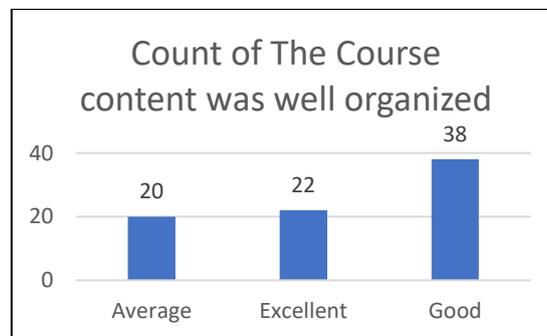
Date: 26-4-2021 to 30-4-2021

### Value Added Course on Business Writing Skills

#### Student Feedback Analysis

#### Sample Feedback

Timestamp	Name of the Participant	Course objectives were stated clearly and met	The Course content was well organized	The course enhanced my writing skills	Classes were interesting and interactive	Give overall rating
05-01-2021 18:07	Vivek B U	Good	Excellent	Good	Excellent	Good
05-01-2021 18:07	Vinitha V	Average	Average	Good	Good	Good
05-01-2021 18:08	Niranjan	Good	Good	Average	Excellent	Good
05-01-2021 18:08	Shalini R	Excellent	Excellent	Excellent	Excellent	Excellent
05-01-2021 18:08	Arshad ulla	Good	Good	Good	Average	Average
05-01-2021 18:09	Chethan R	Average	Average	Good	Good	Good
05-01-2021 18:10	MANASA	Good	Good	Average	Good	Good
05-01-2021 18:10	Jeevan m	Average	Average	Average	Good	Average



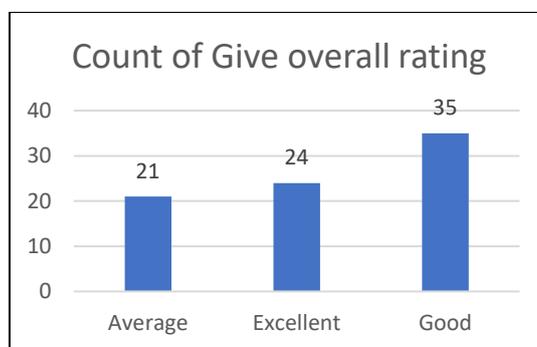
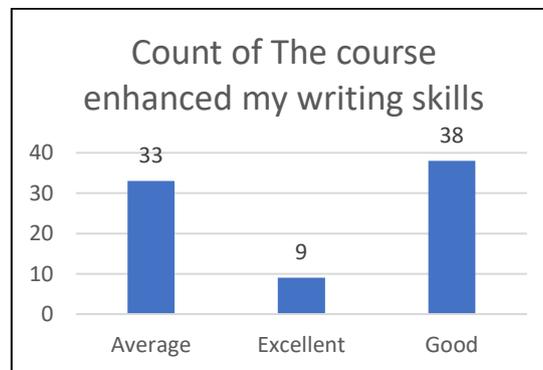
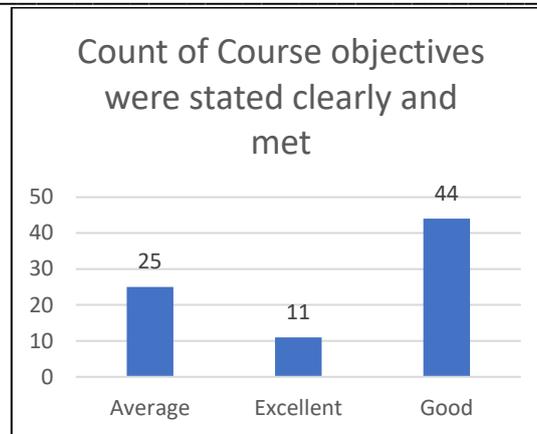


FIG 1 : FEEDBACK ANALYSIS

### Course Outcome

Upon completing the 5-day business writing skills course, participants should be able to:

1. Participants will produce written materials characterized by clarity, conciseness, and precision, ensuring effective communication in professional settings.
2. Participants will demonstrate a polished and professional writing style, adjusting their tone and language appropriately for various business contexts.



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- 
3. Participants will exhibit proficiency in grammar and punctuation, resulting in error-free written communication that enhances credibility.
  4. Participants will confidently navigate different business writing genres, producing documents that align with industry standards and expectations.
  5. Participants will excel in presenting data and information in business reports, ensuring clarity, relevance, and persuasiveness in their written communication

**Co-Ordinator**  
**Mrs Archana Bhat**

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



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## Department of Computer Science and Engineering

### A Report on Value-Added Course on “Business Writing Skills”

A five-day Value-Added Course on **Business Writing Skills** was organised by the Department of Computer Science and Engineering from 26/4/2021 to 30/4/ 2021 for Computer Science and Engineering students in the Project Laboratory. **Mr. Sharath B S, Senior Program Manager, Last Mile Quality, Amazon Development Center, Bangalore** was the resource person.

#### Day 1:

##### Session 1: Introduction to Business Writing

On the first day, participants were introduced to the fundamentals of effective business writing. They learned about the importance of clarity, conciseness, and coherence in communication. Practical exercises and examples were provided to enhance understanding.

##### Session 2: Understanding the Audience

The second session focused on the crucial aspect of tailoring writing to specific audiences. Participants engaged in activities to identify different audience types and practiced adapting their writing styles accordingly.

##### Session 3: Basics of Grammar and Punctuation

The third session delved into the essential elements of grammar and punctuation in business writing. Common mistakes were highlighted, and participants were guided through exercises to reinforce proper usage.

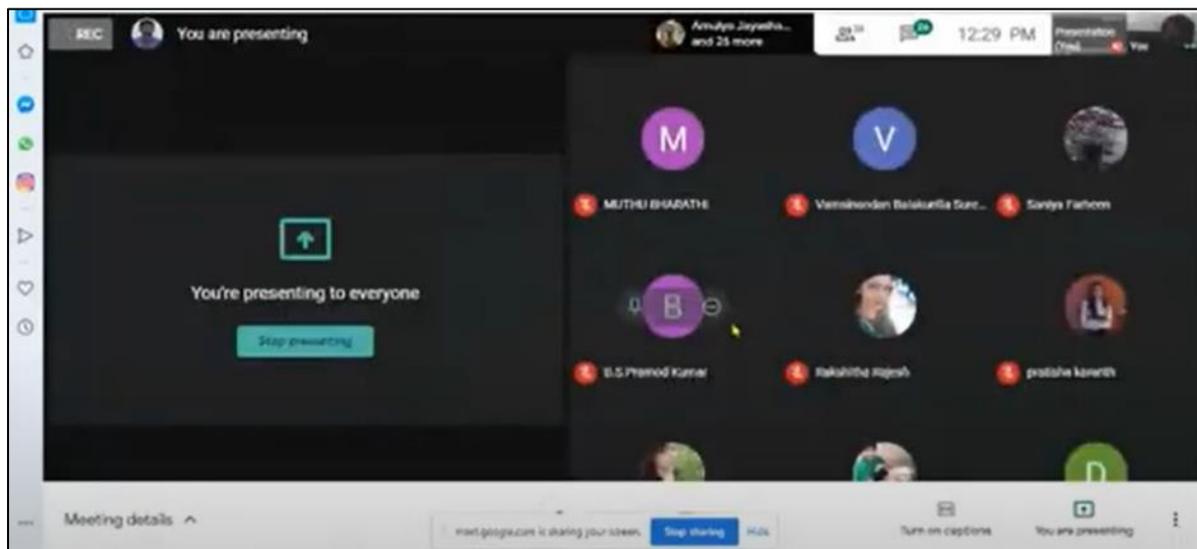


FIG 2: SCREENSHOT OF THE SESSION



---

## Day 2:

### Session 1: Structure and Organization

Day two commenced with an exploration of effective document structure and organization. Participants learned about the importance of logical flow, headings, and subheadings in creating coherent business documents.

### Session 2: Professional Email Writing

The second session focused on the nuances of professional email writing. Participants were provided with practical tips and examples to enhance their email communication skills in a business context.

### Session 3: Writing Reports and Proposals

Participants spent the third session mastering the art of crafting comprehensive reports and proposals. The session covered the necessary components, formatting guidelines, and strategies for producing impactful business documents.

## Day 3:

### Session 1 : Business Letters and Memos

Day three kicked off with a deep dive into the conventions of business letters and memos. Participants learned the appropriate formats and styles for various professional communication scenarios.

### Session 2: Editing and Proofreading Techniques

The second session of the day focused on refining writing through effective editing and proofreading. Practical exercises allowed participants to apply techniques for catching errors and improving overall writing quality.

### Session 3 : Writing for Different Platforms

Participants explored the diversity of writing platforms in the business context during the third session. This included social media, blogs, and other digital communication tools. Best practices for adapting writing styles to different platforms were discussed.

## Day 4:

### Session 1: Developing a Business Writing Style

On the fourth day, participants engaged in activities aimed at helping them develop their unique business writing style. The session focused on cultivating a professional tone while maintaining authenticity.



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## **Session 2: Handling Sensitive Topics**

The second session addressed the delicate task of addressing sensitive topics in business writing. Participants learned strategies for navigating challenging subjects while maintaining professionalism.

## **Session 3: Case Studies and Real-world Applications**

Day four concluded with the application of learned skills through case studies and real-world examples. Participants analyzed and critiqued various business documents to reinforce their understanding of effective writing practices.

## **Day 5:**

### **Session 1: Review and Q&A**

The final day began with a comprehensive review of key concepts covered throughout the course. Participants had the opportunity to ask questions and seek clarification on any topics.

### **Session 2: Writing Workshop**

The second session allowed participants to put their skills to the test in a writing workshop. Feedback was provided on individual writing samples, and participants had the chance to refine their work based on the lessons learned.

### **Session 3: Course Conclusion and Certification**

The course concluded with a wrap-up session where participants received certificates of completion. Final insights and tips for continued improvement in business writing were shared, providing a comprehensive conclusion to the 30-hour program.

In this comprehensive 5-day business writing skills course, participants immersed themselves in a dynamic learning experience, progressing from foundational principles to advanced techniques. Through a carefully crafted curriculum, they honed their abilities in various business writing genres, including emails, reports, and letters. The course culminated in a hands-on writing workshop, empowering participants to apply their newfound skills and receive personalized feedback for continued professional growth.

**Coordinator**  
**Mrs Archana Bhat**

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

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

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## PATRONS

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Principal,CEC

Dr. Jyothi P,  
Vice Principal,CEC

## CONVENOR

Mr. Vivekvardhan Reddy, HOD,  
CSE

## COORDINATORS

Mrs. Archana Bhat, Asst. Prof, CSE

Mr. Girisha G A , Asst. Prof, CSE

## ABOUT

This course will teach you how to apply the top ten principles of good business writing to your work, how to deploy simple tools to dramatically improve your writing, and how to execute organization, structure, and revision to communicate more masterfully than ever.

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## SAVE THE DATE

26th to 30th April 2021

9:30am – 4:30pm

## VENUE

Online

## CONTACT DETAILS

Mrs. Archan Bhat,Asst.Prof, CSE  
PH: 9945133228

# Business Writing Skills

— VALUE ADDED —  
COURSE

Organized By

DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING

Resource Person

Mr. SHARATH B S  
Senior Program Manager,  
Last Mile Quality  
Amazon Development Center India  
Bangalore, India

Strong writing skills are  
essential for anyone in  
business.

# CITY ENGINEERING COLLEGE

## CERTIFICATE

OF PARTICIPATION

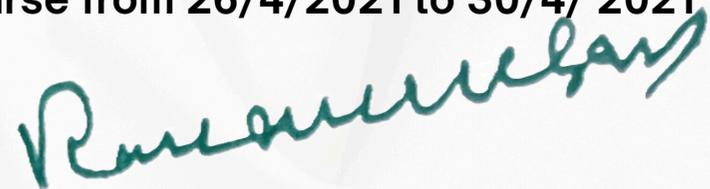
PRESENTED TO:

*Kavana Sagar H*

From the Department of Computer Science and Engineering for participation in the course on  
“Business Writing Skills” under Value Added course from 26/4/2021 to 30/4/ 2021



HOD



Principal

# CITY ENGINEERING COLLEGE

## CERTIFICATE

OF PARTICIPATION

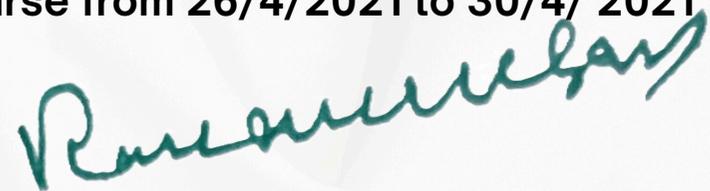
PRESENTED TO:

*Niranjana M*

From the Department of Computer Science and Engineering for participation in the course on  
“Business Writing Skills” under Value Added course from 26/4/2021 to 30/4/2021



HOD



Principal

# CITY ENGINEERING COLLEGE

## CERTIFICATE

OF PARTICIPATION

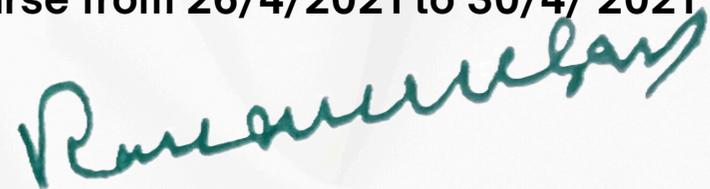
PRESENTED TO:

*Ullas M*

From the Department of Computer Science and Engineering for participation in the course on  
“Business Writing Skills” under Value Added course from 26/4/2021 to 30/4/ 2021



HOD



Principal

# CITY ENGINEERING COLLEGE

## CERTIFICATE

OF PARTICIPATION

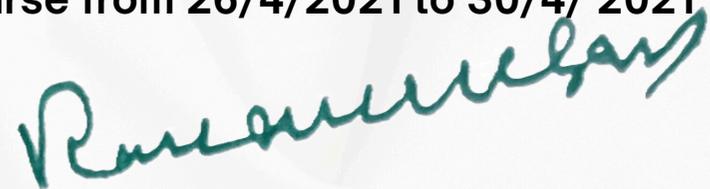
PRESENTED TO:

*Harsha H*

From the Department of Computer Science and Engineering for participation in the course on  
“Business Writing Skills” under Value Added course from 26/4/2021 to 30/4/2021



HOD



Principal

# CITY ENGINEERING COLLEGE

## CERTIFICATE

OF PARTICIPATION

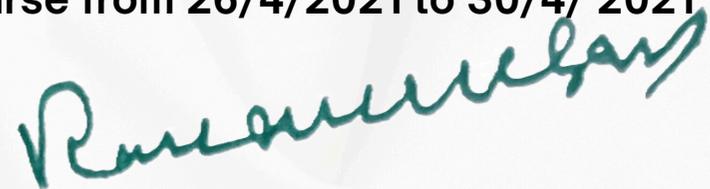
PRESENTED TO:

*Apoorva R Shet*

From the Department of Computer Science and Engineering for participation in the course on  
“Business Writing Skills” under Value Added course from 26/4/2021 to 30/4/ 2021



HOD



Principal



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## Department of Basic Science

Academic Year 2020-2021

Even Semester

**Online Certificate course**

**On**

**Leadership Skills**

**Date 02-03-21 to 06-03-21**

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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

Principal, CEC  
Dr Ramamurthy



Date: 23-02-2021

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Online Certificate course on  
“Leadership Skills”.

Respected Sir,

We would like to conduct an Online certificate course on “Leadership Skills” for first year students from Date 02-03-21 to 06-03-21. This course is intended to engage the students for improving Leadership qualities, team dynamics and conflict resolution. It helps the student to have an understanding of how to manage projects and to lead teams.

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

A handwritten signature in black ink, appearing to be 'S N'.

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

A handwritten signature in black ink, appearing to be 'Sujatha K'.

Yours Sincerely  
Dr. Sujatha K, HOD  
Department of Physics

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A handwritten signature in black ink, appearing to be 'S. K. S.'  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



Date: 23/02/2021

## CIRCULAR

**Sub:** Conducting an Online Certificate Course on “Leadership Skills”.

This is to inform all the first-year students that our department is going to conduct a 5-day Online Certificate course on “Leadership Skills” from Date 02-03-21 to 06-03-21. Interested students contact the respective coordinator to participate in this course.

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

  
Principal  
City Engineering College,  
Bangalore-560 081

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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## Department of Basic Science 2020-21 Brochure

### Chief Patron

**Dr. K.R. Paramahamsa**  
Chairman,  
AMC, City, Brooklyn Group of  
Institutions, Bangalore

### Patrons:

**Dr. Ramamurthy**  
Principal, City Engineering college  
Bangalore.

### Convenor:

**Dr. Sujatha K**  
HOD, Dept of Physics, 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.



**CITY ENGINEERING COLLEGE**  
(Approved by AICTE New Delhi Affiliated  
by VTU, Belagavi)  
Near Metro Station, Doddakallasandra  
Bangalore – 560 062.

**Online Certificate Course on**  
**Leadership skills**

**Organized by**  
“Department of Basics Science”  
City Engineering College  
Bangalore-560062

Date: 02-03-21 to 06-03-21  
Venue : Seminar Hall



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



## About Applied Science and Humanities

The Applied Science and Humanities Department in City Engineering College serves as a fundamental pillar, providing essential knowledge in fundamental scientific disciplines such as mathematics, physics, and chemistry. This Department plays a critical role in equipping engineering students with the core scientific principles and analytical skills necessary for their specialized engineering studies. Faculty members in the Applied Science Department typically engage in both teaching and research, contributing to advancements in their fields and enhancing the overall academic environment. The department often offers courses that support and complement the various engineering programs, ensuring that students have a strong scientific grounding to solve complex engineering problems effectively.

## Expert Speakers for the Program

**Dr. Jyothi P**

**Professor**

**HOD of Mathematics, CEC**

## Coordinators

**Mrs. Nagashree G**

**Assistant Professor**

**Dept. of Physics, CEC**

**Mrs. Sunitha N**

**Associate Professor**

**Dept. of Chemistry, CEC**

**Mrs. Vanitha**

**Assistance Professor**

**Dept. of Mathematics, CEC**

## About Leadership Skills



Leadership skills are essential qualities that enable individuals to guide, motivate, and influence others effectively. Key skills include strong communication, which ensures clear and effective exchange of ideas; emotional intelligence, which helps in understanding and managing emotions and building relationships; and decision-making, which involves making informed choices to address challenges. Effective leaders also excel in delegation, allowing them to assign tasks appropriately and trust their team, and conflict resolution, managing disagreements constructively. Developing these skills helps individuals lead with confidence and inspire their teams to achieve shared goals.

**Coordinator**

**Mrs. Sunitha N**

**Department of Chemistry**

**HOD**

**Dr. K. Sujatha**

**Department of Physics**

**Principal**

**City Engineering College,**

**Bangalore-560 081**

**Principal**

**Dr. Ramamurthy**

**CEC, Bangalore**

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## Department of Basic Science 2020-21

### Online Certificate course on Leadership Skills

#### Schedule

Academic Year: 2020-21

Venue: Online

Date	Session 1 (9:15 – 11:15)	Session 2 (11:30 – 1:30)	Lunch Break (1:30 – 2:00)	Session 3 (2:00 – 4:00)
02-03-2021	Introduction to Leadership and Management	Definitions and differences between Leadership and Management		Leadership in Organizations
03-03-2021	Leadership Styles and theories	Situational and Contingency Theories		Leadership Style Self-Assessment
04-03-2021	Team Dynamics and Team Building	Roles and Responsibilities in teams		Group Projects, Team building Exercises
05-03-2021	Decision Making and Problem Solving	Problem -Solving Strategies		Real world Decision Making
06-03-2021	Conflict Resolution and Negotiation	Negotiation Techniques		Negotiation Simulations

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 081

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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## Department of Basic Science 2020-21

### Online Certificate course on Leadership Skills

#### Course Content

**Module 1:** Introduction to Leadership and Management, definitions and differences, Historical Perspectives and Theories, Leadership in Organizations.

**Module 2:** Leadership Styles and Theories, Transactional Leadership, Situational and Contingency Theories, Leadership Style Self-Assessment.

**Module 3:** Team Dynamics and Team Building, Stages of Team Development, Roles and Responsibilities in Teams, Team Building Exercises.

**Module 4:** Communications Skills for Leaders, Effective Communication Techniques, Simulated Communication Challenges.

**Module 5:** Project Management Fundamentals, Project Planning and Scheduling, Risk Management, Successful Project Plans

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 061

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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## Department of Basic Science

### Online Certificate course on Leadership Skills

#### Resource Person Details



**Dr. Jyothi P, Professor and HOD Mathematics**

Dr. Jyothi.P , holds a Doctorate degree in Mathematics from Jain University and she has done her post-graduation from Osmania University, MBA from IGNOU. She has M.Phil degree in Mathematics into her credit. She has an impressive back ground in teaching, administration and research. She has 24 years of academic/teaching experience in both UG and PG (taught Maths for M.Tech, DMS for MCA, Statistics, Operation research, Quantitative techniques for MBA) with 10 years of research focus. Dr.Jyothi.P served as Vice Principal for four years in City Engineering College(Affiliated to VTU), Bangalore.

She has several research papers into her credit. She has contributed research papers in the area of Applications of Goal Programming. She has participated, presented papers and chaired sessions at various conferences. She is a member of Indian Society for Technical Education(ISTE). She has attended several state level seminars, webinars and workshops. She became VTU Research supervisor in the year May 2023. She has served as IQAC coordinator of the institution for 5 years. She has done certification courses in Data Analytics from Besant Technology.

As I am interested in Research I motivated myself to write the book on Research methodology which is very important for all researchers. Hope this will be helpful for all young researchers.

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*SK*

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*Ramesh*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



**Department of Basic Science**  
**Certificate course on Leadership Skills**  
**Academic Year: 2020-2021 Second Sem**

**List of students enrolled**

SI.NO	USN	NAME	SI.NO	USN	NAME
1	1CE20AI001	ABDUL FAHEEM	28	1CE20CS018	B DHANALAKSHMI BAI
2	1CE20AI002	HAJIRA AHMED	29	1CE20CS019	BENITTA HATHSIYAL X
3	1CE20AI003	KEDAR JOSHI	30	1CE20CS020	BHAGYASHREE
4	1CE20AI004	KOKILA K R	31	1CE20CS021	BHARGAVI N PRAKASH
5	1CE20AI005	RITHIK MARIAN S	32	1CE20CS022	CHANDANA G
6	1CE20AI006	SHARON ZIPPORAH S	33	1CE20CS023	CHITANYA C
7	1CE20AI007	SHARONA SAM	34	1CE20CS024	DANIYA KHANUM
8	1CE20AI008	SUHAS GAJANANA	35	1CE20CS025	DEEKSHA R GOWDA
9	1CE20AI009	SYEDA ALIYAH BAKSHI	36	1CE20CS026	DEEPAK KUMAR R
10	1CE20CV001	THYAGRAJ	37	1CE20CS027	DEEPASHREE N
11	1CE20CS001	ABHAY	38	1CE20CS028	DEEPTHI S
12	1CE20CS002	ABHINAV KUMAR SINGH	39	1CE20CS029	DHANUSH KUMAR D
13	1CE20CS003	ABHISHEK VATS	40	1CE20CS030	DIVYASHREE S
14	1CE20CS004	ADARSH MISHRA S	41	1CE20CS031	DR MOHAN KUMAR
15	1CE20CS005	ADITHI B	42	1CE20CS032	FOUZIA I
16	1CE20CS006	AFNAN AHMED	43	1CE20CS033	GANESH
17	1CE20CS007	AISHWARYA	44	1CE20CS034	GIRIJA NARAYAN HEGDE
18	1CE20CS008	AJAY ANUPAM	45	1CE20CS035	GOWTHAM S V
19	1CE20CS009	AMIR ANJUM	46	1CE20CS036	HALEEMA SULTANA
20	1CE20CS010	AMULYA Y R	47	1CE20CS037	IRAM SHAIKH
21	1CE20CS011	ANAND M	48	1CE20CS038	JUDAH A
22	1CE20CS012	ANANYA B C	49	1CE20CS039	JYOTHI JR SAHANI
23	1CE20CS013	ANANYA BHAGAVAN	50	1CE20CS040	K G DHANYA JOGI
24	1CE20CS014	ANURADHA SHARMA	51	1CE20CS041	KASIBA AFFRIEN
25	1CE20CS015	ANUSHREE B S	52	1CE20CS042	KAUSHIK M R
26	1CE20CS016	ARAVIND V	53	1CE20CS043	KEERTHANA L
27	1CE20CS017	ASTHA	54	1CE20CS044	KRUPASHREE G

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*Skandan*  
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CITY ENGINEERING COLLEGE  
Kankapura Main Road, BANGALORE - 560 061

*Ras...*  
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SI.NO	USN	NAME	SI.NO	USN	NAME
55	1CE20CS045	KUMARASWAMY P	83	1CE20CS073	SUBRAMANI M
56	1CE20CS046	LIKITHA R	84	1CE20CS074	SULAIMAN KHAN
57	1CE20CS047	M R ADHITHI	85	1CE20CS075	SWATI SATEESHKUMAR KUDRAGI
58	1CE20CS048	MANASA P	86	1CE20CS076	SYED HOUZAIFA
59	1CE20CS049	MOHAMMED MOIN KADRI	87	1CE20CS077	SYED NAWAZ
60	1CE20CS050	MOHAMMED TAUHEED PASHA	88	1CE20CS078	TARIQ ANJUM
61	1CE20CS051	MONIKA G	89	1CE20CS079	TARUN V
62	1CE20CS052	N ARSHIYA ALMAS	90	1CE20CS080	TEJAS B R
63	1CE20CS053	NAMRATA PALAKI	91	1CE20CS081	TEJAS J KUMAR
64	1CE20CS054	NAVEEN KV	92	1CE20CS082	UMME HANI M A
65	1CE20CS055	NIMMI SAGAR	93	1CE20CS083	V MANOJ KUMAR
66	1CE20CS056	OMKAR KUNDANGAR	94	1CE20CS084	VAISHNAVI K
67	1CE20CS057	POOJA S	95	1CE20CS085	VENUGOPAL D
68	1CE20CS058	PRANAM K R	96	1CE20CS086	VISHWA V
69	1CE20CS059	PULKIT YADAV	97	1CE20CS087	VIVEK GAUTAM
70	1CE20CS060	PUSHKAR	98	1CE20CS088	YARUB BABA
71	1CE20CS061	R A RAAJESH	99	1CE20CS089	YASHASHREE R
72	1CE20CS062	RAVI KUMAR	100	1CE20CS090	YASHASWINI R P
73	1CE20CS063	RAVIPRAKASHA	101	1CE20CS091	SUJAY V
74	1CE20CS064	SAGAR N	102	1CE20EC001	BHANU CHANDAN K B
75	1CE20CS065	SAMANA R	103	1CE20EC002	KEERTHI A
76	1CE20CS066	SAMIR YOUSUFF KHAN	104	1CE20EC003	SUKRUTH S R
77	1CE20CS067	SARASWATI SURESH S	105	1CE20IS001	AAYUSHA KUMARI
78	1CE20CS068	SHOBA H N	106	1CE20IS002	AMISHA RASHMINATH
79	1CE20CS069	SNEHA S	107	1CE20IS003	LIKHITH R J
80	1CE20CS070	SONAM VISHWAKRAM	108	1CE20ME001	SUHAS B
81	1CE20CS071	SPOORTHI M G	109	1CE20ME002	ABHILASH A SUVAN
82	1CE20CS072	SUBHENDU SAGAR			

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**Certificate course on Leadership Skills.**

**Academic Year: 2020-2021**

**Attendance List**

SLNO	USN	NAME	05-10-20	06-10-20	07-10-20	08-10-20	09-10-20
1	1CE20AI001	ABDUL FAHEEM	P	P	P	P	P
2	1CE20AI002	HAJIRA AHMED	P	P	P	P	P
3	1CE20AI003	KEDAR JOSHI	P	P	P	P	P
4	1CE20AI004	KOKILA K R	P	P	P	P	P
5	1CE20AI005	RITHIK MARIAN S	P	P	P	P	P
6	1CE20AI006	SHARON ZIPPORAH SEBASTIAN	A	P	P	P	P
7	1CE20AI007	SHARONA SAM	P	P	P	P	P
8	1CE20AI008	SUHAS GAJANANA	P	P	P	P	P
9	1CE20AI009	SYEDA ALIYAH BAKSHI	P	P	P	P	P
10	1CE20CV001	THYAGRAJ	P	P	A	P	P
11	1CE20CS001	ABHAY	P	P	P	P	P
12	1CE20CS002	ABHINAV KUMAR SINGH	P	P	P	P	P
13	1CE20CS003	ABHISHEK VATS	P	P	P	P	P
14	1CE20CS004	ADARSH MISHRA S	P	P	P	P	P
15	1CE20CS005	ADITHI B	P	P	P	P	P
16	1CE20CS006	AFNAN AHMED	P	P	P	P	P
17	1CE20CS007	AISHWARYA	P	P	P	A	P
18	1CE20CS008	AJAY ANUPAM	P	P	P	P	P
19	1CE20CS009	AMIR ANJUM	P	P	P	P	P
20	1CE20CS010	AMULYA Y R	P	P	P	P	P
21	1CE20CS011	ANAND M	P	P	P	P	P
22	1CE20CS012	ANANYA B C	P	P	P	P	P
23	1CE20CS013	ANANYA BHAGAVAN	P	P	P	P	P
24	1CE20CS014	ANURADHA SHARMA	P	P	P	P	P
25	1CE20CS015	ANUSHREE B S	P	P	P	P	P
26	1CE20CS016	ARAVIND V	P	P	P	P	P
27	1CE20CS017	ASTHA	P	A	P	P	P
28	1CE20CS018	B DHANALAKSHMI BAI	P	P	P	P	P
29	1CE20CS019	BENITTA HATHSIYAL	P	P	P	P	P

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Principal  
City Engineering College,  
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SLNO	USN	NAME	05-10-20	06-10-20	07-10-20	08-10-20	09-10-20
30	1CE20CS020	BHAGYASHREE	P	P	P	P	P
31	1CE20CS021	BHARGAVI N PRAKASH	P	P	P	P	P
32	1CE20CS022	CHANDANA G	P	A	P	P	P
33	1CE20CS023	CHITANYA C	P	P	P	P	P
34	1CE20CS024	DANIYA KHANUM	P	P	P	P	P
35	1CE20CS025	DEEKSHA R GOWDA	P	P	P	P	P
36	1CE20CS026	DEEPAK KUMAR R	P	P	P	P	P
37	1CE20CS027	DEEPASHREE N	P	P	P	P	P
38	1CE20CS028	DEEPTHI S	P	A	P	P	P
39	1CE20CS029	DHANUSH KUMAR D	P	P	P	P	P
40	1CE20CS030	DIVYASHREE S	P	P	P	P	P
41	1CE20CS031	DR MOHAN KUMAR	P	P	A	P	P
42	1CE20CS032	FOUZIA I	P	P	P	P	P
43	1CE20CS033	GANESH	P	P	P	P	P
44	1CE20CS034	GIRIJA NARAYAN HEGDE	A	P	P	P	P
45	1CE20CS035	GOWTHAM S V	P	P	P	P	P
46	1CE20CS036	HALEEMA SULTANA	P	P	P	A	P
47	1CE20CS037	IRAM SHAIKH	P	P	P	P	P
48	1CE20CS038	JUDAH A	P	P	P	P	P
49	1CE20CS039	JYOTHI JR SAHANI	P	P	P	P	P
50	1CE20CS040	K G DHANYA JOGI	P	P	P	P	P
51	1CE20CS041	KASIBA AFFRIEN	P	P	P	P	P
52	1CE20CS042	KAUSHIK M R	P	P	P	P	P
53	1CE20CS043	KEERTHANA L	P	P	P	P	P
54	1CE20CS044	KRUPASHREE G	P	P	A	P	P
55	1CE20CS045	KUMARASWAMY P	P	P	P	P	P
56	1CE20CS046	LIKITHA R	P	P	P	P	P
57	1CE20CS047	M R ADHITHI	P	P	P	A	P
58	1CE20CS048	MANASA P	P	P	P	P	P

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Kanakapura Main Road, BANGALORE - 560 061

*Ramesh*

Principal  
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Bangalore-560 061



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59	1CE20CS049	MOHAMMED MOIN KADRI	P	P	P	P	P
60	1CE20CS050	MOHAMMED TAUHEED PASHA	P	P	P	P	P
61	1CE20CS051	MONIKA G	P	P	P	P	P
62	1CE20CS052	N ARSHIYA ALMAS	P	P	P	P	P
63	1CE20CS053	NAMRATA PALAKI	P	P	P	P	P
64	1CE20CS054	NAVEEN KV	P	P	P	P	P
65	1CE20CS055	NIMMI SAGAR	P	A	P	P	P
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67	1CE20CS057	POOJA S	P	P	P	P	P
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69	1CE20CS059	PULKIT YADAV	P	P	P	P	P
70	1CE20CS060	PUSHKAR	P	P	P	P	P
71	1CE20CS061	R A RAAJESH	P	P	P	P	P
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73	1CE20CS063	RAVIPRAKASHA	P	P	P	A	P
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75	1CE20CS065	SAMANA R	P	P	P	P	P
76	1CE20CS066	SAMIR YOUSUFF KHAN	P	P	P	P	P
77	1CE20CS067	SARASWATI SURESH SADARAGOND	P	P	P	P	P
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84	1CE20CS074	SULAIMAN KHAN	P	P	P	P	P
85	1CE20CS075	SWATI SATEESHKUMAR KUDRAGI	P	P	P	P	P
86	1CE20CS076	SYED HOUZAIFA	P	P	P	P	P

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Kanakapura Main Road, BANGALORE - 560 061

*Ramesh*

Principal  
City Engineering College,  
Bangalore-560 061



SLNO	USN	NAME	05-10-20	06-10-20	07-10-20	08-10-20	09-10-20
87	1CE20CS077	SYED NAWAZ	P	P	P	P	P
88	1CE20CS078	TARIQ ANJUM	P	P	P	P	P
89	1CE20CS079	TARUN V	P	P	P	P	P
90	1CE20CS080	TEJAS B R	P	P	P	P	P
91	1CE20CS081	TEJAS J KUMAR	P	P	P	P	P
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103	1CE20EC002	KEERTHI A	P	P	P	P	P
104	1CE20EC003	SUKRUTH S R	P	P	P	P	P
105	1CE20IS001	AA YUSHA KUMARI	P	P	P	A	P
106	1CE20IS002	AMISHA RASHMINATH	P	P	P	P	P
107	1CE20IS003	LIKHITH R J	P	P	P	P	P
108	1CE20ME001	SUHAS B	A	P	P	P	P
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Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 061

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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## Department of Basic Science 2020-21

### Certificate course On Leadership Skills Assessment Questions

1. What is the primary difference between Leadership Skills?
  - a) Planning
  - b) Executing**
  - c) Innovating
  - d) Inspiring
2. Which leadership style is characterized by making decisions without consulting others?
  - a) Democratic
  - b) Autocratic**
  - c) Laissez-faire
  - d) Transformational
3. According to Maslow's Hierarchy of Needs, which of the following is considered a basic physiological need?
  - a) Esteem
  - b) Safety
  - c) Belongingness
  - d) Food**
4. What is the first step in decision-making process?
  - a) Alternatives
  - b) Implementation
  - c) Problem**
  - d) Evaluation
5. Which conflict resolution strategy involves both parties giving up something to reach a mutually acceptable solution?
  - a) Completing
  - b) Avoiding
  - c) Compromising**
  - d) Accommodation
6. What is the primary purpose of performance management?
  - a) Controlling
  - b) Rules
  - c) Productivity
  - d) Disciplinary**



7. In Tuckman's model of team development, what is the second stage?
  - a) Forming
  - b) Norming
  - c) Storming**
  - d) Vroom
  
8. Which theory of motivation involves the concepts of hygiene factors and motivators?
  - a) Maslow
  - b) Herzberg**
  - c) McGregor
  - d) Vroom
  
9. Which of the following is a characteristic of transformational leadership?
  - a) Transactional
  - b) Inspirational**
  - c) Directive
  - d) Controlling
  
10. What is the key element of effective communication in leadership?
  - a) Talking
  - b) Listening**
  - c) Writing
  - d) Dictating
  
11. Which of the following best defines leadership?
  - a) Telling people what to do
  - b) Influencing and guiding others towards a common goal**
  - c) Doing tasks yourself
  - d) Avoiding difficult decisions
  
12. Which of the following is a characteristic of transformational leadership?
  - a) Focus on short-term goals
  - b) Encouraging innovation and change**
  - c) Authoritarian decision-making
  - d) Micromanaging tasks
  
13. Which leadership style involves making decisions based on input from team members?
  - a) Autocratic
  - b) Democratic**
  - c) Laissez-faire
  - d) Transactional
  
14. What is the primary focus of servant leadership?
  - a) Achieving organizational goals
  - b) Serving the needs of the team members**
  - c) Increasing profits
  - d) Gaining personal power



15. Which of the following is NOT a key quality of an effective leader?
- a) Integrity
  - b) Empathy
  - **c) Arrogance**
  - d) Communication skills
16. What is emotional intelligence in the context of leadership?
- a) The ability to suppress emotions
  - **b) The ability to understand and manage your own emotions and the emotions of others**
  - c) The ability to manipulate others' emotions
  - d) The ability to ignore emotions in decision-making
17. Which leadership theory focuses on the traits and characteristics that leaders possess?
- a) Situational leadership theory
  - **b) Trait theory**
  - c) Contingency theory
  - d) Behavioral theory
18. Which of the following is a principle of ethical leadership?
- a) Using power to dominate others
  - b) Making decisions based on personal gain
  - **c) Promoting transparency and accountability**
  - d) Ignoring the needs of team members
19. What is the main focus of strategic leadership?
- a) Day-to-day operations
  - **b) Long-term vision and direction**
  - c) Conflict resolution
  - d) Employee satisfaction
20. Which leadership style is characterized by a hands-off approach, allowing team members to make their own decisions?
- a) Autocratic
  - b) Democratic
  - **c) Laissez-faire**
  - d) Transactional
21. Which of the following best describes a leader with a high level of integrity?
- **a) Consistently honest and ethical**
  - b) Frequently changes their values
  - c) Focuses on personal gain
  - d) Avoids difficult decisions
22. Which leadership approach involves adapting style based on the situation and the needs of the team?
- a) Autocratic leadership
  - b) Transactional leadership
  - **c) Situational leadership**
  - d) Transformational leadership



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23. What is the role of vision in leadership?
- a) To focus on short-term tasks
  - **b) To provide direction and inspiration for the future**
  - c) To control team members
  - d) To micromanage details
24. Which leadership quality involves the ability to motivate and inspire others?
- a) Technical skills
  - **b) Charisma**
  - c) Micromanagement
  - d) Pessimism
25. What is the main benefit of delegating tasks as a leader?
- a) It reduces the leader's workload
  - b) It demonstrates a lack of confidence in the team
  - **c) It allows team members to develop new skills**
  - d) It avoids accountability

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 061

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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## Online Google assessment form for CC Leadership Skills

B I U

Form description

1. What is the primary difference between Leadership Skills?

- a) Planning
- b) Executing
- c) Innovating
- d) Inspiring

2. Which leadership style is characterized by making decisions without consulting others?

- a) Democratic
- b) Autocratic
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- d) Transformational

3. According to Maslow's Hierarchy of Needs, which of the following is considered a basic physiological need?

- a) Esteem
- b) Safety
- c) Belongingness
- d) Food
- Option 5

4. What is the first step in decision-making process?

- a) Alternatives
- b) Implementation
- c) Problem
- d) Evaluation

  
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Sample Google Assessment Form

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**Department of Basic Science 2020-21**  
**Certificate course On Leadership Skills**  
**Student Assessment Result**

SL.NO	USN	NAME	MARKS	SL.NO	USN	NAME	MARKS
1	1CE20AI001	ABDUL FAHEEM	21	28	1CE20CS018	B DHANALAKSHMI BAI	16
2	1CE20AI002	HAJIRA AHMED	20	29	1CE20CS019	BENITTA HATHSIYAL X	21
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55	1CE20CS045	KUMARASWAMY P	24	83	1CE20CS073	SUBRAMANI M	18
56	1CE20CS046	LIKITHA R	25	84	1CE20CS074	SULAIMAN KHAN	15
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Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 061

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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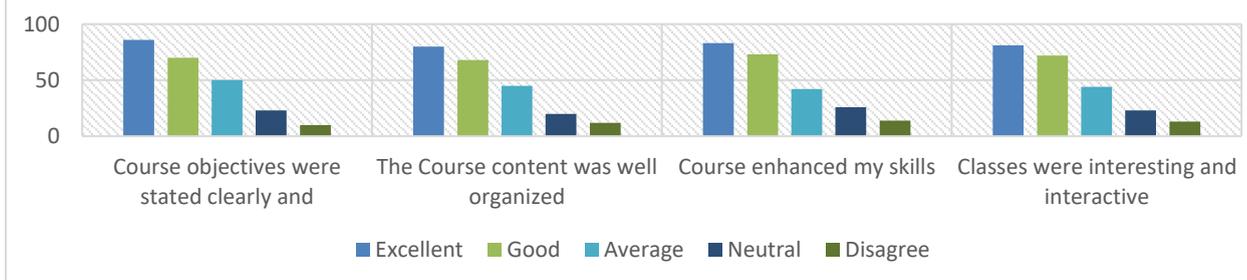


**Department of Basic Science**  
**Certificate course on Leadership Skills**  
**Student Feedback Analysis**

**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
TEJAS B R	Neutral	Agree	Agree	Agree	Good
UMME HANI M A	Neutral	Neutral	Neutral	Neutral	Good
V MANOJ KUMAR	Agree	Disagree	Agree	Agree	Good
VAISHNAVI K	Agree	Agree	Agree	Neutral	Excellent
AMISHA RASHMINATH	Agree	Agree	Neutral	Neutral	Average
AFNAN AHMED	Neutral	Neutral	Neutral	Disagree	Good
AISHWARYA	Agree	Agree	Neutral	Agree	Good

**Fig.1 Graph**



Feedback Responses - 80  
Feedback Summary -

- Understand the fundamental differences between Leadership Skills.
- Identify and differentiate between various leadership styles such as transformational and transactional leadership.
- Develop strategies for effective team building and improving team dynamics.
- Students will understand and be able to apply change management principles to lead successful organizational transformations.
- Exhibit a strong commitment to ethical leadership and corporate social responsibility.

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Mathematics

  
Principal  
City Engineering College,  
Bangalore-560 081

Principal  
Dr. Ramamurthy  
CEC, Bangalore



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Date:06/03/2021

To,

Dr. Jyothi P,

HOD, Mathematics

Subject: Letter of appreciation for Certificate course on Leadership Skills

We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the Certificate Course Leadership Skills from 2<sup>nd</sup> to 6<sup>th</sup> Mar 2021 conducted by, Department of Basic Science, City Engineering College, Bangalore.

Thanking You,

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
KATRAKUPA MAIN ROAD, BANGALORE - 560 081

**Yours Sincerely**

Principal

Dr. Ramamurthy



**CITY**  
ENGINEERING COLLEGE

**Department of Basic Science**  
**Certificate course on Leadership Skills**

**Course Objectives**

The course objectives are

- Gain a comprehensive understanding of key leadership theories, principles and practices.
- Enhance verbal and non-verbal communication skills essential for effective Leadership Skills.
- Learn techniques for building, leading, and motivating high-performance teams.
- Develop critical thinking and decision-making skills necessary for effective Leadership Skills.
- Develop the ability to lead and manage in diverse and multicultural environments.

**Course Outcomes**

The students will be able to:

- Understand the fundamental differences between Leadership Skills.
- Identify and differentiate between various leadership styles such as transformational and transactional leadership.
- Develop strategies for effective team building and improving team dynamics.
- Students will understand and be able to apply change management principles to lead successful organizational transformations.
- Exhibit a strong commitment to ethical leadership and corporate social responsibility.

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061



**DEPARTMENT OF BASIC SCIENCE  
ONLINE CERTIFICATE COURSE**

A five-day Certificate Course on **Leadership Skills** was organized by the Department of Basic Science from 2<sup>nd</sup> to 6<sup>th</sup> Mar 2021 for First year students by Prof. Jyothi PHOD, Mathematics. The schedule for a five-days course on Leadership Skills for Personal & Professional Productivity covered key topics.

**Day 1:** The event began with a formal inaugural function by **Principal CEC and HOD's of Basic Science** were present during the inauguration. The program began by seeking the blessings of Almighty with invocation and lighting of lamp. Principal advised the students to utilize the benefits of the course completely. **Prof. Jyothi madam** Welcomed the resource person and gave a course overview. Later the session was handed over to the speaker.

On the first day, introduction of fundamental differences between Leadership Skills. Participants learned about the various roles and responsibilities that distinguish leaders from managers, emphasizing the unique qualities and skills required for each.

**Day 2:** The second day explored different leadership styles, such as autocratic, democratic, laissez-faire, and transformational. The session focused on understanding the characteristics of each style and identifying situations where each is most effective.

**Day 3:** The third day focused on motivation theories, including Maslow's Hierarchy of Needs and Herzberg's Two Factor Theory. Participants discussed how these theories can be applied to motivate teams and improve workplace satisfaction.

**Day 4:** The fourth day, participants learned about the decision-making process, starting from defining the problem to evaluating the outcomes. Emphasis was placed on making informed and inclusive decisions to lead teams effectively.

**Day 5:** On the final day, the focus was on ethical leadership, discussing what it means to lead ethically and how to align behavior and decisions with ethical standards. Case studies were used to illustrate real-world ethical dilemmas.

Throughout the intensive 5-day course, participants engaged in a structured and rigorous curriculum that effectively enhanced their skills. This structure ensures that participants gain a comprehensive understanding of essential Leadership Skills concepts over the course of the program.

Coordinator  
Mrs. Sunitha N  
Department of Chemistry

HOD  
Dr. K. Sujatha  
Department of Physics

Principal  
City Engineering College,  
Bangalore-560 061

Principal  
Dr. Ramamurthy  
CEC, Bangalore

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**CITY**  
ENGINEERING COLLEGE

**Certificates:**



**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**GOWTHAM S V**

**1CE20CS035**

From the Basic Science Department for participation in the Certificate Course on “Leadership Skill” from 2<sup>nd</sup> to 6<sup>th</sup> March 2021

HOD



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**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**KOKILA K R**

**1CE20AI004**

From the Basic Science Department for participation in the Certificate Course on “Leadership Skill” from 2<sup>nd</sup> to 6<sup>th</sup> March 2021

HOD



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**CITY**  
ENGINEERING COLLEGE

**Certificates:**



**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**MONIKA G**

**1CE20CSO51**

From the Basic Science Department for participation in the Certificate Course on “Leadership Skill” from 2<sup>nd</sup> to 6<sup>th</sup> March 2021

HOD



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**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**PUSHKAR**

**1CE20CSO60**

From the Basic Science Department for participation in the Certificate Course on “Leadership Skill” from 2<sup>nd</sup> to 6<sup>th</sup> March 2021

HOD



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**Department of Computer Science and Engineering**

**Academic Year 2020- 2021**

**Add – on Course**

**Software Testing with Selenium**

**09-11-2020 to 13-11-2020**



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Date: 30-10-2020

To

The Principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct an Add-on Course

Respected Sir,

We would like to conduct an Add-on course on “Software Testing with Selenium” for third year students from 09-11-2020 to 13-11-2020. The curriculum does not include the course on software testing which is a job domain in the market. The course effectively bridges the industry-academia gap by prioritizing real-world applications of Selenium for web testing. So, I request you to permit us to conduct this course. Kindly do the needful.

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



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## Department of Computer Science and Engineering

CEC/CSE/CC/2020-21/02

Date: 02/11/2020

### CIRCULAR

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

This is to inform all the third-year students that our department is going to conduct a 5-day add-on course on **Software Testing with Selenium** from **09-11-2020 to 13-11-2020 in online mode**. Students can contact the respective coordinator to participate in this course.

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



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## Department of Computer Science and Engineering

### Add-on Course “Software Testing with Selenium”

Date: 09-11-2020 to 13-11-2020

#### Schedule

Academic Year: 2020-21

Mode: Online

Date	Session 1 (9:15 – 11:15)	Session 2 (11:15 – 1:15)		Session 3 (2:00 – 4:00)
09-11-2020	Introduction to Automated Testing and Selenium	Selenium Components (Selenium IDE, Selenium WebDriver, Selenium Grid)	Lunch Break (1: 15 - 2: 00)	Setting up the Selenium Environment, Installing and configuring Selenium WebDriver
10-11-2020	Selenium WebDriver Basics	Identifying elements using various locators		Handling Different HTML Elements
11-11-2020	Synchronization, Implicit and explicit waits, Expected conditions	Handling Alerts and Pop-ups		Performing advanced user interactions
12-11-2020	Introduction to TestNG, Annotations and configuration	TestNG Features, Parameterization, Test Suites and Groups		Page Object Model
13-11-2020	Design Patterns in Selenium	Creating Page Classes		Page Factory in Selenium

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

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



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## Department of Computer Science and Engineering

### Add-on Course “Software Testing with Selenium”

#### Course Content

#### **Module 1: Introduction to Automated Testing and Selenium**

Overview of Automated Testing; Importance of Automated Testing; Benefits and Challenges; Introduction to Selenium; History and evolution; Selenium Components (Selenium IDE, Selenium WebDriver, Selenium Grid)

#### **Module 2: Setting up the Selenium Environment**

Installing Selenium WebDriver; Configuring WebDriver for different browsers (Chrome, Firefox, etc.); Configuring Integrated Development Environment (IDE); Setting up Eclipse, IntelliJ, or other IDEs

#### **Module 3: Selenium WebDriver Basics**

Understanding WebDriver; Basics of WebDriver architecture; WebDriver commands and methods; Locating Elements; Identifying elements using various locators (ID, Name, XPath, CSS selectors, etc.); Handling Different HTML Elements; Textboxes, buttons, dropdowns, radio buttons, checkboxes, etc.

#### **Module 4: Advanced Selenium WebDriver**

Synchronization; Implicit and explicit waits; Expected conditions; Handling Alerts and Pop-ups; Switching between windows and frames; Handling JavaScript alerts; Action Class; Performing advanced user interactions (mouse and keyboard actions)

#### **Module 5: TestNG Framework**

Introduction to TestNG; Annotations and configuration; TestNG Features; Parameterization; Test Suites and Groups

#### **Module 6: Page Object Model (POM)**

Design Patterns in Selenium; Introduction to POM; Creating Page Classes; Page Factory in Selenium

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

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



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## Department of Computer Science and Engineering

### Add-on Course “Software Testing with Selenium”

Date: 09-11-2020 to 13-11-2020

#### Resource Person Profile

**Aravind B.S** is a highly experienced IT professional with over 12 years of expertise in testing mobile and web-based applications. He has worked on various projects, including the AI-based omnichannel platform YANA, the Access Line Integrated Intake System, and the Piedmont Payment Services web application. Aravind's responsibilities have included analysing requirements, preparing test scenarios, writing test cases, defect characterization, submission, and tracking using tools like JIRA and Bugzilla. He is proficient in manual testing, developing and maintaining automation frameworks using Selenium, and has a strong grasp of Agile SCRUM methodology, Software Development Life Cycle, and Software Testing Life Cycle. Aravind has hands-on experience in data parameterization using TestNG, Excel, XML, and Properties file, as well as in Selenium concepts like ID, X-path, CSS, Page Objects, and Data-Driven Testing. Additionally, he is skilled in developing test automation frameworks for web and mobile applications using Java-Selenium, TestNG, and for API testing using Java-Rest Assured/HTTP Client, TestNG. His expertise also extends to designing and developing Behavior Data Driven (BDD) framework using cucumber java and utilizing Jenkins as a Continuous integration server to configure with Maven. Aravind's project experience includes working on AI-based omnichannel platforms like YANA, and web applications such as Piedmont Payment Services, Access Line Integrated Intake System, and FADV DQ & IQ Enhancement. He has also contributed to projects involving the setup and transfer activation for AT&T Mobility Business to Consumer (B2C) Order Gateway. In terms of his educational background, Aravind holds a Bachelor's degree in Computer Science Engineering from Coorg Institute of Technology, Ponnampet, and has undergone "Software Testing Training-Selenium" from Q-spider's software testing training Institute, Bangalore. With his strong technical skills, extensive project experience, and commitment to continuous learning, Aravind B.S is a dedicated professional contributing significantly to the field of IT and software testing.



## Department of Computer Science and Engineering

Academic Year: 2020-2021

Date: 09-11-2020 to 13-11-2020

### Add-on Course “Software Testing with Selenium”

#### List of Students Enrolled

SL NO	USN	NAME
1	1CE16CS113	VIJAY M
2	1CE17CS017	APOORVA M
3	1CE17CS025	BINDU M R
4	1CE17CS034	G R MAYUR
5	1CE17CS055	MAJID KHAN
6	1CE17CS056	MANOJ B R
7	1CE17CS060	MEHFOOZ AHMED
8	1CE17CS096	RENUKA SURESH
9	1CE17CS135	TEJAS JAIN S N
10	1CE17CS151	RAHUL KUMAR PALIWAL
11	1CE18CS001	ABDUL MANNAN
12	1CE18CS002	ABHISHEK S
13	1CE18CS003	ABIN B VINOD
14	1CE18CS004	ADITHI S
15	1CE18CS005	AISHWARYA H S
16	1CE18CS006	AMULYA K J
17	1CE18CS008	ANJANA RAGHAVENDRA
18	1CE18CS009	ANUSHA
19	1CE18CS010	AZEEZ MOHAMED FAZRY
20	1CE18CS011	BHAVANA D A
21	1CE18CS012	BHAVANA K
22	1CE18CS013	CHINMAYI R
23	1CE18CS014	DARSHAN G
24	1CE18CS015	DEVBRAT MAHASETH
25	1CE18CS016	DHRUTHI K A
26	1CE18CS017	DIVYA G
27	1CE18CS018	DIVYASHREE R
28	1CE18CS019	DURGADEVI M S
29	1CE18CS020	FOUZIYA RAFFAT
30	1CE18CS021	GURURAJ A N
31	1CE18CS022	G V RITWIK

SL NO	USN	NAME
32	1CE18CS023	HAJIRA MOHSINA
33	1CE18CS025	HRITHIK N
34	1CE18CS026	JAHNAVI H B
35	1CE18CS027	JUNAID PASHA
36	1CE18CS028	KARAN A
37	1CE18CS030	KARTHIK A N
38	1CE18CS031	KARTHIK K T
39	1CE18CS033	KAVYA
40	1CE18CS034	KAVYA R S
41	1CE18CS035	KEERTHSRI
42	1CE18CS036	KEVIN V
43	1CE18CS037	KUSHAL C
44	1CE18CS039	LAVANYA V
45	1CE18CS040	MAHESH R
46	1CE18CS041	MALLIKARJUN H K
47	1CE18CS042	MANI BHARATHI R
48	1CE18CS044	MONIKA B
49	1CE18CS045	MUTHUBHARATHI G
50	1CE18CS046	NAMRATHA S
51	1CE18CS047	NASREEN FATHIMA
52	1CE18CS048	NETHRA SHREE C
53	1CE18CS049	NIHARIKA M
54	1CE18CS050	NIKHIL U
55	1CE18CS052	NISCHITHA A YADAV
56	1CE18CS053	NISHKARSH KUMAR GANJHOO
57	1CE18CS054	NITHISHGUNDAPPA M S
58	1CE18CS055	PARVEEN TAJ
59	1CE18CS056	PRAMOD KUMAR B S
60	1CE18CS057	PRATHISHA A S KARANTH
61	1CE18CS058	PRIYA SINGH M
62	1CE18CS059	PRIYANKA R



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63	1CE18CS060	PUNEETH P
64	1CE18CS061	R LAKSHMI SAI CHETANA NATH
65	1CE18CS062	RACHANA KARANTH M
66	1CE18CS064	RAKESH V
67	1CE18CS065	RAKSHITHA RAJESH
68	1CE18CS067	SANIYA FARHEEN
69	1CE18CS068	SANIYA SAMREEN
70	1CE18CS069	SARAH BATOOL
71	1CE18CS070	SHASHANK MISHRA
72	1CE18CS071	SHEIK SULAIMAN AHMED
73	1CE18CS073	SHIRISHA B
74	1CE18CS075	SHREEDEVI U JOSHI
75	1CE18CS078	SHUSHMA R B
76	1CE18CS079	SHWETHA C
77	1CE18CS080	SINDHU S
78	1CE18CS081	SPURTY BABU NAIK
79	1CE18CS082	SRILAKSHMI C S
80	1CE18CS084	SURABHI G R
81	1CE18CS085	SURAJ S
82	1CE18CS086	SURAKSHA HARITHA
83	1CE18CS087	SURVI KUMARI
84	1CE18CS088	SIDDESH T N
85	1CE18CS089	TEJAS S
86	1CE18CS090	UDANKA AARUNJAIN

87	1CE18CS092	USHA N
88	1CE18CS093	VAINAVI V
89	1CE18CS094	VAISHNAVI P
90	1CE18CS095	VAMSINANDAN B S
91	1CE18CS097	VARSHINI THANMAYA
92	1CE18CS098	VENKATESH GOWDA S P
93	1CE18CS099	VIDYA SHREE N V
94	1CE18CS100	VIJAYALAKSHMI V
95	1CE18CS101	VINUTH S
96	1CE18CS102	VIVEK B B
97	1CE18CS103	MOHAMMED JUNAID
98	1CE19CS400	BHASKAR M A
99	1CE19CS401	S A SRINIDHI
100	1CE19CS402	SMITHA SAIKUMAR BHANDARY
101	1CE15CS074	MAYUR CHANDRAGOUDA KANAKANNAVAR
102	1CE16CS029	BHOOMIKA D K
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106	1CE17CS021	BHARATH KUMAR .S
107	1CE17CS040	HARSHITH S
108	1CE17CS072	NANDIKA M.J
109	1CE17CS082	POKALA SESA SAI POOJA
110	1CE17CS088	PRASHANTH KUMAR N
111	1CE17CS102	SAHANA M.R

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

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



## Department of Computer Science and Engineering

### Add-on Course “Software Testing with Selenium”

#### Attendance List

SL NO	USN	NAME	09-11-20	10-11-20	11-11-20	12-11-20	13-11-20
1	1CE16CS113	VIJAY M	P	A	P	P	P
2	1CE17CS017	APOORVA M	A	P	P	P	A
3	1CE17CS025	BINDU M R	P	A	P	P	P
4	1CE17CS034	G R MAYUR	P	A	P	P	P
5	1CE17CS055	MAJID KHAN	A	P	P	P	A
6	1CE17CS056	MANOJ B R	P	A	P	P	P
7	1CE17CS060	MEHFOOZ AHMED	A	P	P	P	A
8	1CE17CS096	RENUKA SURESH	P	A	P	P	P
9	1CE17CS135	TEJAS JAIN S N	A	P	P	P	A
10	1CE17CS151	RAHUL KUMAR PALIWAL	P	A	P	P	P
11	1CE18CS001	ABDUL MANNAN	A	P	P	P	A
12	1CE18CS002	ABHISHEK S	P	A	P	P	P
13	1CE18CS003	ABIN B VINOD	A	P	P	P	A
14	1CE18CS004	ADITHI S	P	A	P	P	P
15	1CE18CS005	AISHWARYA H S	A	P	P	P	A
16	1CE18CS006	AMULYA K J	P	A	P	P	P
17	1CE18CS008	ANJANA RAGHAVENDRA	A	P	P	P	A
18	1CE18CS009	ANUSHA	P	A	P	P	P
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23	1CE18CS014	DARSHAN G	A	P	P	A	P
24	1CE18CS015	DEVBRAT MAHASETH	P	A	P	P	P
25	1CE18CS016	DHRUTHI K A	A	P	P	P	A
26	1CE18CS017	DIVYA G	P	A	P	P	P
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28	1CE18CS019	DURGADEVI M S	P	A	P	P	P
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30	1CE18CS021	GURURAJ A N	P	A	P	P	P
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32	1CE18CS023	HAJIRA MOHSINA	P	A	P	P	P
33	1CE18CS025	HRITHIK N	P	P	A	P	A
34	1CE18CS026	JAHNAVI H B	P	A	P	P	P



35	1CE18CS027	JUNAID PASHA	A	P	P	P	A
36	1CE18CS028	KARAN A	P	A	P	P	P
37	1CE18CS030	KARTHIK A N	A	P	P	P	A
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104	1CE16CS096	SUHAS S	P	A	P	P	P
105	1CE17CS019	BELLARY NITIN PRASAD	A	P	P	P	A
106	1CE17CS021	BHARATH KUMAR .S	P	A	P	P	P



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107	1CE17CS040	HARSHITH S	A	P	P	A	P
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109	1CE17CS082	POKALA SESA SAI POOJA	A	P	P	P	A
110	1CE17CS088	PRASHANTH KUMAR N	P	A	P	P	P
111	1CE17CS102	SAHANA M.R	A	P	P	P	A

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

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



---

## Department of Computer Science and Engineering

Academic Year: 2020-2021

Date: 09-11-2020 to 13-11-2020

### Add-on Course “Software Testing with Selenium”

#### Assessment Questions

1. When was selenium developed?
  - A. 2004
  - B. 2005
  - C. 2006
  - D. 2001
2. Who developed selenium?
  - A. Dan Cuellar
  - B. Jason Huggins
  - C. Rossmanith Gmbh
3. Does selenium support a variety of languages?
  - A. Yes
  - B. No
4. Can we deploy selenium on different platforms other than windows?
  - A. Yes
  - B. No
5. Which of the following browsers supports selenium?
  - A. Google Chrome
  - B. Safari
  - C. Mozilla Firefox
  - D. Internet Explorer
  - E. All of the above
6. What is selenium, select the best answer.
  - A. Selenium is the open-source test automated tool to test web-based UI which only supports JavaScript's
  - B. Selenium is the open-source test automated tool to test web-based UI which supports many different languages like Java, Python, Perl, PHP, Ruby, and C#.
  - C. Selenium is a behavioral testing tool that supports many different languages like Java, Python, Perl, PHP, Ruby, and C#.
7. What do you mean by open-source software?
  - A. Open-source software is software that circulated across the world with its source code which also means it is available for use, and modification.
  - B. Open-source software is software that is easy to use and where the code is stored in a public repository also it comes with a distributed license.
  - C. All of the above
8. What is UI testing?
  - A. Web User Interface (UI) Testing is a mechanism for testing the features of any software a user will interact with including the fonts, color, design, etc.
  - B. Web User Interface (UI) Testing is a mechanism for testing only the performance of the software but it does not cover the testing of fonts, color, etc
9. Which of the following is not the alternative to selenium?
  - A. Cucumber
  - B. Cypress
  - C. Puppeteer
  - D. Mocha



- 
10. Check whether the given statement is true or false?  
'Selenium web driver does not require server installation, test scripts interact directly with the browser.'
- A. Yes
  - B. No
11. Does selenium support ASP.NET language?
- A. Yes
  - B. No
12. What is QTP?
- A. Quick test professional
  - B. Quick test personal
  - C. Quick testing-tool professional
13. Does QTP supports different environment?
- A. Yes
  - B. No
14. How many components does selenium have?
- A. 2
  - B. 3
  - C. 4
  - D. 5
15. What is selenium IDE?
- A. Selenium integrated distributed environment
  - B. Selenium integrated development environment
  - C. Selenium integrated dispense environment
16. Which selenium component allows to record and playback of the scripts?
- A. Selenium (IDE)
  - B. Selenium Remote Control
  - C. WebDriver
  - D. Selenium Grid.
17. Which selenium component is also known as selenium 1?
- A. Selenium (IDE)
  - B. Selenium Remote Control
  - C. WebDriver
  - D. Selenium Grid.
18. Does selenium RC supports a record or playback feature just like selenium IDE?
- A. Yes
  - B. No
19. Selenium RC support which architecture?
- A. Event-driven architecture
  - B. Master-slave architecture
  - C. Client-server architecture
  - D. Layered architecture
20. Selenium RC is based on \_\_\_\_.
- A. HTML
  - B. JavaScript
  - C. Python
  - D. Ruby



## Department of Computer Science and Engineering

Academic Year: 2020-2021

Date: 09-11-2020 to 13-11-2020

### Add-on Course “Software Testing with Selenium”

#### Assessment Marks

SL NO	USN	NAME	Marks	SL NO	USN	NAME	Marks
1	1CE16CS113	VIJAY M	80	32	1CE18CS023	HAJIRA MOHSINA	90
2	1CE17CS017	APOORVA M	75	33	1CE18CS025	HRITHIK N	95
3	1CE17CS025	BINDU M R	70	34	1CE18CS026	JAHNAVI H B	90
4	1CE17CS034	G R MAYUR	65	35	1CE18CS027	JUNAID PASHA	95
5	1CE17CS055	MAJID KHAN	70	36	1CE18CS028	KARAN A	80
6	1CE17CS056	MANOJ B R	70	37	1CE18CS030	KARTHIK A N	85
7	1CE17CS060	MEHFOOZ AHMED	80	38	1CE18CS031	KARTHIK K T	75
8	1CE17CS096	RENUKA SURESH	75	39	1CE18CS033	KAVYA	90
9	1CE17CS135	TEJAS JAIN S N	90	40	1CE18CS034	KAVYA R S	90
10	1CE17CS151	RAHUL KUMAR PALIWAL	90	41	1CE18CS035	KEERTHISRI	70
11	1CE18CS001	ABDUL MANNAN	85	42	1CE18CS036	KEVIN V	75
12	1CE18CS002	ABHISHEK S	75	43	1CE18CS037	KUSHAL C	70
13	1CE18CS003	ABIN B VINOD	80	44	1CE18CS039	LAVANYA V	80
14	1CE18CS004	ADITHI S	80	45	1CE18CS040	MAHESH R	85
15	1CE18CS005	AISHWARYA H S	75	46	1CE18CS041	MALLIKARJUN H K	80
16	1CE18CS006	AMULYA K J	90	47	1CE18CS042	MANI BHARATHI R	95
17	1CE18CS008	ANJANA RAGHAVENDRA	90	48	1CE18CS044	MONIKA B	90
18	1CE18CS009	ANUSHA	95	49	1CE18CS045	MUTHUBHARATHI G	80
19	1CE18CS010	AZEEZ MOHAMED FAZRY	100	50	1CE18CS046	NAMRATHA S	90
20	1CE18CS011	BHAVANA D A	90	51	1CE18CS047	NASREEN FATHIMA	95
21	1CE18CS012	BHAVANA K	90	52	1CE18CS048	NETHRA SHREE C	90
22	1CE18CS013	CHINMAYI R	80	53	1CE18CS049	NIHARIKA M	85
23	1CE18CS014	DARSHAN G	80	54	1CE18CS050	NIKHIL U	80
24	1CE18CS015	DEVBRAT MAHA Seth	75	55	1CE18CS052	NISCHITHA A YADAV	80
25	1CE18CS016	DHRUTHI K A	85	56	1CE18CS053	NISHKARSH KUMAR GANJHOO	75
26	1CE18CS017	DIVYA G	75	57	1CE18CS054	NITHISHGUNDAPPA M S	90
27	1CE18CS018	DIVYASHREE R	90	58	1CE18CS055	PARVEEN TAJ	95
28	1CE18CS019	DURGADEVI M S	80	59	1CE18CS056	PRAMOD KUMAR B S	100
29	1CE18CS020	FOUZIYA RAFFAT	85	60	1CE18CS057	PRATHISHA A S KARANTH	95
30	1CE18CS021	GURURAJ A N	80	61	1CE18CS058	PRIYA SINGH M	100
31	1CE18CS022	G V RITWIK	75	62	1CE18CS059	PRIYANKA R	90
63	1CE18CS060	PUNEETH P	90	87	1CE18CS092	USHA N	90
64	1CE18CS061	R LAKSHMI SAI CHETANA NATH	80	88	1CE18CS093	VAINAVI V	75
65	1CE18CS062	RACHANA KARANTH M	75	89	1CE18CS094	VAISHNAVI P	85
66	1CE18CS064	RAKESH V	90	90	1CE18CS095	VAMSINANDAN B S	100
67	1CE18CS065	RAKSHITHA RAJESH	95	91	1CE18CS097	VARSHINI THANMAYA	90



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68	1CE18CS067	SANIYA FARHEEN	100	92	1CE18CS098	VENKATESH GOWDA S P	80
69	1CE18CS068	SANIYA SAMREEN	90	93	1CE18CS099	VIDYA SHREE N V	75
70	1CE18CS069	SARAH BATOOL	90	94	1CE18CS100	VIJAYALAKSHMI V	70
71	1CE18CS070	SHASHANK MISHRA	95	95	1CE18CS101	VINUTH S	70
72	1CE18CS071	SHEIK SULAIMAN AHMED	90	96	1CE18CS102	VIVEK B B	80
73	1CE18CS073	SHIRISHA B	85	97	1CE18CS103	MOHAMMED JUNAID	80
74	1CE18CS075	SHREEDEVI U JOSHI	80	98	1CE19CS400	BHASKAR M A	65
75	1CE18CS078	SHUSHMA R B	85	99	1CE19CS401	S A SRINIDHI	70
76	1CE18CS079	SHWETHA C	90	100	1CE19CS402	SMITHA SAIKUMAR BHANDARY	90
77	1CE18CS080	SINDHU S	90	101	1CE15CS074	MAYUR CHANDRAGOUDA KANAKANAVAR	80
78	1CE18CS081	SPURTY BABU NAIK	95	102	1CE16CS029	BHOOMIKA D K	80
79	1CE18CS082	SRILAKSHMI C S	100	103	1CE16CS040	JAYA SHANKAR	90
80	1CE18CS084	SURABHI G R	90	104	1CE16CS096	SUHAS S	75
81	1CE18CS085	SURAJ S	95	105	1CE17CS019	BELLARY NITIN PRASAD	75
82	1CE18CS086	SURAKSHA HARITHA	70	106	1CE17CS021	BHARATH KUMAR .S	70
83	1CE18CS087	SURVI KUMARI	80	107	1CE17CS040	HARSHITH S	80
84	1CE18CS088	SIDDESH T N	70	108	1CE17CS072	NANDIKA M.J	80
85	1CE18CS089	TEJAS S	75	109	1CE17CS082	POKALA SESA SAI POOJA	85
86	1CE18CS090	UDANKA AARUNJAIN	80	110	1CE17CS088	PRASHANTH KUMAR N	90
				111	1CE17CS102	SAHANA M.R	85

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

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



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**Department of Computer Science and Engineering**

Academic Year: 2020-2021

Date: 09-11-2020 to 13-11-2020

**Feedback on Software Testing with Selenium Course (9-11-20 to 13-11-20)**

Give rating (1 being high)

Name of the Participant \*

Short answer text

Course objectives were stated clearly and met \*

1

2

3

The Course content was well organized \*

1

2

3

The Course Content helped in enhancing my knowledge \*

1

2

3

Doubts were cleared during the lecture hours \*

1

2

3

Give overall rating \*

1

2

3

Fig 1: Screenshot of sample feedback Questions



**Department of Computer Science and Engineering**

Academic Year: 2022-2023

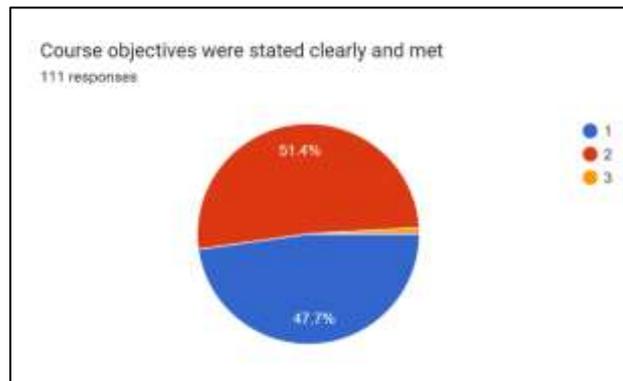
Date: 09-11-2020 to 13-11-2020

**Add-on Course “Software Testing with Selenium”**

**Student Feedback Analysis**

**Sample Feedback**

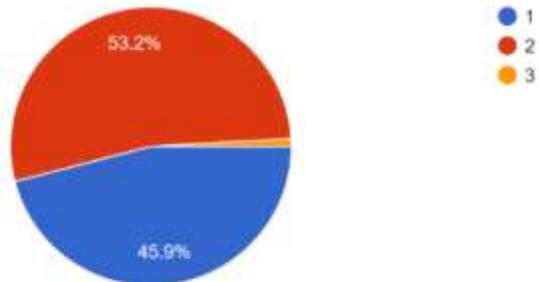
Timestamp	Name of the Participant	Course objectives were stated clearly and met	The Course content was well organized	The Course Content helped in enhancing my knowledge	Doubts were cleared during the lecture hours	Give overall rating
11/15/2020 12:43	VIJAY M	1	1	2	1	1
11/15/2020 12:44	MAJID KHAN	1	2	1	2	2
11/15/2020 12:44	RAHUL KUMAR PALIWAL	1	2	1	2	2
11/15/2020 12:45	ABIN B VINOD	1	2	2	2	2
11/15/2020 12:46	ANJANA RAGHAVENDRA	1	2	1	2	1
11/15/2020 12:46	BHAVANA K	2	2	2	2	2
11/15/2020 12:48	DEVBRAT MAHASETH	1	2	2	1	2
11/15/2020 12:48	DIVYASHREE R	1	1	2	2	2
11/15/2020 12:49	G V RITWIK	2	1	2	2	2
11/15/2020 12:50	APOORVA M	1	2	2	1	2
11/15/2020 12:50	MANOJ B R	2	2	2	2	2





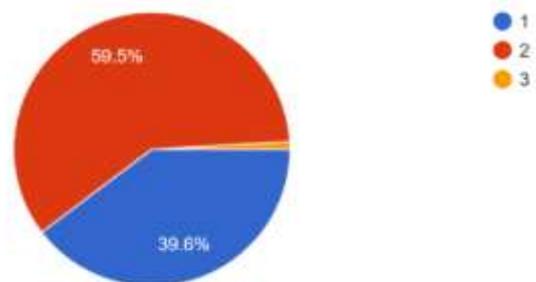
The Course content was well organized

111 responses



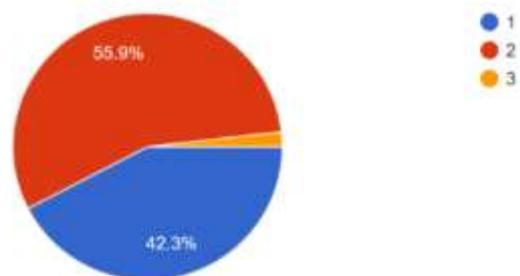
The Course Content helped in enhancing my knowledge

111 responses



Doubts were cleared during the lecture hours

111 responses



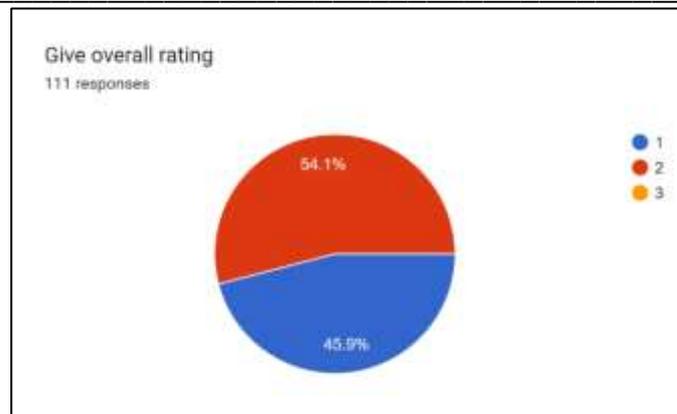


FIG 2: FEEDBACK ANALYSIS

### Course Outcomes

1. Understanding the Fundamentals of Automated Testing and Selenium
2. Proficiency in Setting Up and Configuring the Selenium Environment
3. Mastery of Selenium WebDriver Basics
4. Advanced Skills in Selenium WebDriver for Complex Test Scenarios
5. Comprehensive Knowledge of the TestNG Framework
6. Expertise in Implementing the Page Object Model (POM) in Selenium

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

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



## Department of Computer Science and Engineering

### A Report on Add-on Course “Software Testing with Selenium”

A five-day Add-on Course on **Software Testing with Selenium** was organised by the Department of Computer Science and Engineering from 9th to 14th Nov 2020 for Computer Science and Engineering students. Mr. Aravind B S, Senior Quality Lead, ThoughtFocus was the resource person.

The schedule for a five-day Value Added Course on software Testing with Selenium covered key topics and allow for hands-on activities.

#### Day 1:

On the first day, participants were introduced to Selenium, an open-source testing framework for web applications. The session covered the basics of Selenium, its architecture, and the various components that make it a powerful tool for automated testing.

In the afternoon session, participants learned how to set up their Selenium environment. This included installing necessary tools and configuring the Selenium WebDriver for different browsers. Practical demonstrations were provided to ensure everyone had a functional testing environment by the end of the day.



FIG 3: SCREENSHOT OF SESSION



### **Day 2:**

The focus of the first session of Day 2 was on locators in Selenium. Participants gained a deep understanding of different locator strategies such as ID, Name, XPath, CSS, and more. Practical exercises allowed participants to practice using these locators to identify and interact with elements on web pages.

Participants delved into handling various web elements like buttons, text boxes, dropdowns, and more in the afternoon session. The session covered techniques for interacting with these elements using Selenium WebDriver, enabling participants to perform actions such as clicking, typing, and selecting.

### **Day 3:**

On the third day, participants learned about Selenium WebDriver commands and how to perform actions on web elements. The session included hands-on exercises to reinforce the concepts and provided a solid foundation for writing effective automation scripts.

The afternoon session focused on synchronization strategies in Selenium to handle dynamic web pages. Participants explored implicit and explicit waits, ensuring that their automation scripts could adapt to various loading times and dynamic content.

### **Day 4:**

On fourth day, participants learned how to handle alerts, pop-ups, and frames in Selenium. Practical examples were used to demonstrate how to switch between frames, accept or dismiss alerts, and handle different types of pop-ups encountered during web testing.

The fourth day included an introduction to TestNG, a testing framework for Java that is widely used with Selenium. Participants explored the features of TestNG and learned how to integrate it with Selenium for effective test case management and reporting.

### **Day 5:**

Participants were introduced to the Page Object Model (POM) design pattern.

They learned how to structure their automation code using POM to enhance maintainability and readability. The session concluded with a recap of key concepts and a discussion on best practices for Selenium testing.

In the five-day Selenium testing course, participants were introduced to the fundamentals of Selenium, including its architecture and environment setup. By the end of the course, attendees had acquired a comprehensive skill set in Selenium testing, equipping them to effectively automate web applications and implement best practices in their testing projects.

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

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

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

## CHIEF PATRON

Dr. K R Paramahamsa,  
Chairman,  
AMC-City - Brooklyn Group of institution

## PATRONS

Dr. V S Rama Murthy, Principal, CEC  
Dr. Jyothi P, Vice Principal, CEC

## CONVENOR

Mr. Vivekavardhana Reddy, HOD,CSE

## COORDINATORS

Mrs. Laxmi M C, Asst. Prof, CSE  
Mrs. Ambika P R, Asst. Prof, CSE

## 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 centre of talented, experienced teachers who inspire and energize the students to achieve the best.

## CONTACT DETAILS

Mrs Ambika P R, Asst.Prof, CSE  
PH: 9945133228

## Resource Person

Mr. Aravind B S  
Senior Quality Lead ,  
ThoughtFocus, Bangalore

## About The Course

The selenium testing course online helps you learn to work with various web element(s) locating strategies, perform actions on web elements, group, and sequence tests, as well as generate reports for your test cases using TestNG.

## About The Department

The Department of Computer Science & Engineering was started in the year 2001 is known for imparting Quality education and carrying out cutting edge research. In addition to the UG program, PG CSE program and Research facilities for Ph.D. The department offers undergraduate program and has a comprehensive curriculum on topics related to software and hardware with an emphasis on theoretical and practical learning. It has well equipped, state of the art laboratories supported by highspeed Internet and wireless networks.



## CITY ENGINEERING COLLEGE

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Add on Course On

## SOFTWARE TESTING USING SELENIUM

9th Nov to 13th Nov  
2020

Get more out of your testing  
using Selenium

Defect Fix

Requirement analysis

Test Plan  
Creation

Test Case Creation

Test Case Execution

Selenium - Testing



# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

*JAHNAVI H B*

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE ON  
"SOFTWARE TESTING WITH SELENIUM "UNDER ADD ON COURSE FROM 9TH TO 13TH NOV 2020



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

*MUTHUBHARATHI G*

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "SOFTWARE TESTING WITH SELENIUM "UNDER ADD ON COURSE FROM 9TH TO 13TH NOV 2020



HEAD OF DEPARTMENT



PRINCIPAL

# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

*SUHAS S*

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIPTION IN THE COURSE  
ON "SOFTWARE TESTING WITH SELENIUM "UNDER ADD ON COURSE FROM 9TH TO 13TH NOV 2020



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# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

*VAMSINANDAN B S*

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIAPTION IN THE COURSE  
—ON “SOFTWARE TESTING WITH SELENIUM ”UNDER ADD-ON COURSE FROM 9TH TO 13TH NOV 2020—

HEAD OF DEPARTMENT



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# CITY ENGINEERING COLLEGE

DODDAKALLASANDRA, BANGALORE 560062

## CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PROUDLY AWARDED TO

*PARVEEN TAJ*

FROM THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING FOR PARTICIAPTION IN THE COURSE  
ON "SOFTWARE TESTING WITH SELENIUM "UNDER ADD ON COURSE FROM 9TH TO 13TH NOV 2020



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**CITY**  
ENGINEERING COLLEGE

## Department of Basic Science

Academic Year 2020 – 2021

Odd Semester

**Online Certificate course**

**On**

**Communication Proficiency**

**Date 05-10-20 to 09-10-20**

ATTESTED COPY

*SKanjan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

*Ramamurthy*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

Principal, CEC  
Dr Ramamurthy



**CITY**  
ENGINEERING COLLEGE

Date: 28-09-2020

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct online Certificate course on  
Communication Proficiency.

Respected Sir,

We would like to conduct online certificate course on “Communication Proficiency” for first year students from date 05-10-20 to 09-10-20. This course is intended to engage the students for improving confidence, enhance clarity. It helps the student to communicate effectively in academic, professional, and personal setting, ultimately becoming more confident and persuasive speaker.

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

Coordinator  
Mrs. Nagasree G  
Department of Physics

Yours Sincerely  
Dr. K Sujatha  
HOD, Department of Physics

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CITY ENGINEERING COLLEGE  
Kankapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

Ref. No: CEC/BS/C1/1.2.1/ACY 2020-21/OR/01

Date: 28/09/2020

## CIRCULAR

**Sub:** Conducting an online Certification Course on Communication Proficiency.

This is to inform all the first-year students that our department is going to conduct a 5-day online Certification course on “Communication Proficiency” from Date 05-10-20 to 09-10-20. All students contact the respective coordinator to participate in this course.

Yours Sincerely  
Dr K Sujatha  
HOD, Department of Physics

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

Principal, CEC  
Dr Ramamurthy

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Kanakapura Main Road, BANGALORE - 560 061



**CITY**  
ENGINEERING COLLEGE

**Department of Basic Science**  
**Certificate course on Communication Proficiency**  
**Academic Year 20-21**

**Brochure**



**CITY ENGINEERING COLLEGE**  
(Approved by AICTE New Delhi Affiliated  
by VTU, Belagavi)  
Near Metro Station, Doddakallasandra  
Bangalore – 560 062.

**Online Certificate Course on  
Communication Proficiency**

**Organized by**  
“Department of Basic Science”  
City Engineering College  
Bangalore-560062

Date: 05-10-20 to 09-10-20  
Venue : Online



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

**Chief Patron**

**Dr. K.R. Paramahamsa**  
Chairman,  
AMC, City, Brooklyn Group of  
Institutions, Bangalore.

**Patron:**

**Dr. Ramamurthy**  
Principal, City Engineering college  
Bangalore.

**Convenor:**

**Dr. Jyothi. P**  
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 Basic Science

The Basic Science Department in City Engineering College serves as a fundamental pillar, providing essential knowledge in fundamental scientific disciplines such as mathematics, physics, and chemistry. This Department plays a critical role in equipping engineering students with the core scientific principles and analytical skills necessary for their specialized engineering studies. Faculty members in the Applied Science Department typically engage in both teaching and research, contributing to advancements in their fields and enhancing the overall academic environment. The department often offers courses that support and complement the various engineering programs, ensuring that students have a strong scientific grounding to solve complex engineering problems effectively.

### Expert Speakers for the Program

**Dr. K Sujatha**  
Professor, HOD of Physics  
City Engineering college

### Coordinators:

**Mrs. Nagashree G**  
Assistant Professor  
Dept. of Physics, CEC

**Mrs. Sunitha N**  
Associate Professor  
Dept. of Chemistry, CEC

### Communication Proficiency



**Communication proficiency** is the ability to convey and receive messages effectively. It involves clearly articulating ideas, actively listening to others, and using appropriate nonverbal cues. Proficient communicators adapt their style to suit different audiences and contexts, ensuring their message is understood and engaging. They also demonstrate empathy and provide constructive feedback, fostering better relationships and collaboration. Effective communication is essential for successful interactions in both personal and professional settings.

Coordinator

Mrs. Nagashree G

HOD

Dr. K. Sujatha

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081

Principal

Dr. Ramamurthy

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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081



## Department of Basic Science

### Schedule

Academic Year: 2020-21

Venue: Online

Date	Session 1 (9:15 – 11:15)	Session 2 (11:30 – 1:30)	Lunch Break(1:30 – 2:00)	Session 3 (2:00 – 4:00)
05-10-2020	Introduction to Public Speaking	Self - Assessment of current speaking skills		Speech Preparation and Organization
06-10-2020	Developing Content and Supporting Material	Delivery Techniques		Engaging the Audience
07-10-2020	Handling Nervousness and Building confidence	Positive visualization and Mental Preparation		Impromptu Speaking
08-10-2020	Story Telling and Narrative Development	Final Speech Preparation		Managing Time and Pacing
09-10-2020	Final Presentation and Course Wrap Up	Final speech Presentation		Future Opportunities for Public Speaking Practice

Coordinator  
Prof. Nagashree G

HOD  
Dr. K. Sujatha

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Principal  
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## Department of Basic Science

### Online Certificate course on Communication Proficiency

**Academic Year 20-21**

#### Course Content

**Module 1:** Introduction to Public Speaking, significance of public speaking, Common fears and misconceptions about public speaking.

**Module 2:** Speech Preparation and Organization, Identifying and narrowing down a speech topic, Researching and gathering supporting material, structuring a speech.

**Module 3:** Developing Content and Supporting Material, crafting a clear and engaging message, Ensuring logical flow and coherence in content.

**Module 4:** Advance Speech Techniques, using rhetoric and persuasive techniques to enhance speeches, incorporating multimedia elements to support the message.

**Module 5:** Final Speech Presentation, managing time and pacing during the speech, Refining and polishing the final speech.

Coordinator  
Prof. Nagashree G

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## Department of Basic Science

### Online Certificate course on “Communication Proficiency”



#### Resource Person Profile

Dr. Sujatha K holds a Doctorate Degree in Physics from S.V. University, with her Post-Graduation at S.V. University. She Boasts an Impressive Background in Teaching, Administration, And Research, Accumulating 27 Years of Academic Experience. She taught Undergraduate Courses in B.Sc. Physics (Honours) Under the University of Delhi and also in the B.E. Course at City Engineering College Affiliated with VTU, Bangalore.

Dr. Sujatha has Served as a Junior Research Scientist (JRS) and Senior Research Scientist (SRS) in the Project Titled "DNES Department of Nonconventional Energy Sources" in the Department of Physics at S.V. University. Following her Ph.D., She Continued her Research in the Field of Thin Films at the Department of Physics and Astrophysics at the University of Delhi. She has Published Four Papers in Renowned International Journals Such as *Materials Science Letters*, *Solid State Communications*, And *Materials Letters*. Her Interests also include Setting up Experimental Laboratories and Guiding Numerous Projects for Undergraduate Students. She Actively Participates in Various Workshops, Conferences, and Faculty Development Programs (FDPs). She was Appointed as a Member of the VTU Board of Examiners (BOE) .

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## Department of Basic Science

Academic Year: 2020-2021

### List of Students enrolled

SL.NO	USN	NAME	SL.NO	USN	NAME
1	1CE20AI001	ABDUL FAHEEM	28	1CE20CS018	B DHANALAKSHMI BAI
2	1CE20AI002	HAJIRA AHMED	29	1CE20CS019	BENITTA HATHSIYAL X
3	1CE20AI003	KEDAR JOSHI	30	1CE20CS020	BHAGYASHREE
4	1CE20AI004	KOKILA K R	31	1CE20CS021	BHARGAVI N PRAKASH
5	1CE20AI005	RITHIK MARIAN S	32	1CE20CS022	CHANDANA G
6	1CE20AI006	SHARON ZIPPORAH S	33	1CE20CS023	CHITANYA C
7	1CE20AI007	SHARONA SAM	34	1CE20CS024	DANIYA KHANUM
8	1CE20AI008	SUHAS GAJANANA	35	1CE20CS025	DEEKSHA R GOWDA
9	1CE20AI009	SYEDA ALIYAH BAKSHI	36	1CE20CS026	DEEPAK KUMAR R
10	1CE20CV001	THYAGRAJ	37	1CE20CS027	DEEPASHREE N
11	1CE20CS001	ABHAY	38	1CE20CS028	DEEPTHI S
12	1CE20CS002	ABHINAV KUMAR SINGH	39	1CE20CS029	DHANUSH KUMAR D
13	1CE20CS003	ABHISHEK VATS	40	1CE20CS030	DIVYASHREE S
14	1CE20CS004	ADARSH MISHRA S	41	1CE20CS031	DR MOHAN KUMAR
15	1CE20CS005	ADITHI B	42	1CE20CS032	FOUZIA I
16	1CE20CS006	AFNAN AHMED	43	1CE20CS033	GANESH
17	1CE20CS007	AISHWARYA	44	1CE20CS034	GIRJA NARAYAN HEGDE
18	1CE20CS008	AJAY ANUPAM	45	1CE20CS035	GOWTHAM S V
19	1CE20CS009	AMIR ANJUM	46	1CE20CS036	HALEEMA SULTANA
20	1CE20CS010	AMULYA Y R	47	1CE20CS037	IRAM SHAIKH
21	1CE20CS011	ANAND M	48	1CE20CS038	JUDAH A
22	1CE20CS012	ANANYA B C	49	1CE20CS039	JYOTHI JR SAHANI
23	1CE20CS013	ANANYA BHAGAVAN	50	1CE20CS040	K G DHANYA JOGI
24	1CE20CS014	ANURADHA SHARMA	51	1CE20CS041	KASIBA AFFRIEN
25	1CE20CS015	ANUSHREE B S	52	1CE20CS042	KAUSHIK M R
26	1CE20CS016	ARAVIND V	53	1CE20CS043	KEERTHANA L
27	1CE20CS017	ASTHA	54	1CE20CS044	KRUPASHREE G

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55	1CE20CS045	KUMARASWAMY P	83	1CE20CS073	SUBRAMANI M
56	1CE20CS046	LIKITHA R	84	1CE20CS074	SULAIMAN KHAN
57	1CE20CS047	M R ADHITHI	85	1CE20CS075	SWATI SATEESHKUMAR KUDRAGI
58	1CE20CS048	MANASA P	86	1CE20CS076	SYED HOUZAIFA
59	1CE20CS049	MOHAMMED MOIN KADRI	87	1CE20CS077	SYED NAWAZ
60	1CE20CS050	MOHAMMED TAUHEED PASHA	88	1CE20CS078	TARIQ ANJUM
61	1CE20CS051	MONIKA G	89	1CE20CS079	TARUN V
62	1CE20CS052	N ARSHIYA ALMAS	90	1CE20CS080	TEJAS B R
63	1CE20CS053	NAMRATA PALAKI	91	1CE20CS081	TEJAS J KUMAR
64	1CE20CS054	NAVEEN KV	92	1CE20CS082	UMME HANI M A
65	1CE20CS055	NIMMI SAGAR	93	1CE20CS083	V MANOJ KUMAR
66	1CE20CS056	OMKAR KUNDANGAR	94	1CE20CS084	VAISHNAVI K
67	1CE20CS057	POOJA S	95	1CE20CS085	VENUGOPAL D
68	1CE20CS058	PRANAM K R	96	1CE20CS086	VISHWA V
69	1CE20CS059	PULKIT YADAV	97	1CE20CS087	VIVEK GAUTAM
70	1CE20CS060	PUSHKAR	98	1CE20CS088	YARUB BABA
71	1CE20CS061	R A RAAJESH	99	1CE20CS089	YASHASHREE R
72	1CE20CS062	RAVI KUMAR	100	1CE20CS090	YASHASWINI R P
73	1CE20CS063	RAVIPRAKASHA	101	1CE20CS091	SUJAY V
74	1CE20CS064	SAGAR N	102	1CE20EC001	BHANU CHANDAN K B
75	1CE20CS065	SAMANA R	103	1CE20EC002	KEERTHI A
76	1CE20CS066	SAMIR YOUSUFF KHAN	104	1CE20EC003	SUKRUTH S R
77	1CE20CS067	SARASWATI SURESH S	105	1CE20IS001	AAYUSHA KUMARI
78	1CE20CS068	SHOBA H N	106	1CE20IS002	AMISHA RASHMINATH
79	1CE20CS069	SNEHA S	107	1CE20IS003	LIKHITH R J
80	1CE20CS070	SONAM VISHWAKRAM	108	1CE20ME001	SUHAS B
81	1CE20CS071	SPOORTHI M G	109	1CE20ME002	ABHILASH A SUVAN
82	1CE20CS072	SUBHENDU SAGAR			

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**Value Added course on Communication Proficiency**

**Academic Year: 2020-2021**

**Attendance List**

SI.NO	USN	NAME	05-10-20	06-10-20	07-10-20	08-10-20	09-10-20
1	1CE20AI001	ABDUL FAHEEM	P	P	P	P	P
2	1CE20AI002	HAJIRA AHMED	P	P	A	P	P
3	1CE20AI003	KEDAR JOSHI	P	P	P	P	P
4	1CE20AI004	KOKILA K R	P	P	P	P	P
5	1CE20AI005	RITHIK MARIAN S	P	P	P	P	P
6	1CE20AI006	SHARON ZIPPORAH SEBASTIAN	P	P	P	P	P
7	1CE20AI007	SHARONA SAM	P	P	P	P	P
8	1CE20AI008	SUHAS GAJANANA	P	P	P	P	P
9	1CE20AI009	SYEDA ALIYAH BAKSHI	P	P	P	P	P
10	1CE20CV001	THYAGRAJ	P	P	A	P	P
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12	1CE20CS002	ABHINAV KUMAR SINGH	P	P	P	P	P
13	1CE20CS003	ABHISHEK VATS	P	P	P	P	P
14	1CE20CS004	ADARSH MISHRA S	P	P	P	P	P
15	1CE20CS005	ADITHI B	P	P	P	P	P
16	1CE20CS006	AFNAN AHMED	P	P	P	P	P
17	1CE20CS007	AISHWARYA	P	P	P	P	P
18	1CE20CS008	AJAY ANUPAM	P	P	P	P	P
19	1CE20CS009	AMIR ANJUM	P	P	P	P	P
20	1CE20CS010	AMULYA Y R	P	P	P	P	P
21	1CE20CS011	ANAND M	P	P	P	P	P
22	1CE20CS012	ANANYA B C	P	P	P	P	P
23	1CE20CS013	ANANYA BHAGAVAN	P	A	P	P	P
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25	1CE20CS015	ANUSHREE B S	P	P	P	P	P
26	1CE20CS016	ARAVIND V	P	P	P	P	P
27	1CE20CS017	ASTHA	P	P	P	P	P
28	1CE20CS018	B DHANALAKSHMI BAI	P	P	P	P	P
29	1CE20CS019	BENITTA HATHSIYAL	P	P	P	P	P

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SL.NO	USN	NAME	05-10-20	06-10-20	07-10-20	08-10-20	09-10-20
30	1CE20CS020	BHAGYASHREE	P	P	P	P	P
31	1CE20CS021	BHARGAVI N PRAKASH	P	P	P	P	P
32	1CE20CS022	CHANDANA G	P	P	P	P	P
33	1CE20CS023	CHITANYA C	P	P	A	P	P
34	1CE20CS024	DANIYA KHANUM	P	A	P	P	P
35	1CE20CS025	DEEKSHA R GOWDA	P	P	P	P	P
36	1CE20CS026	DEEPAK KUMAR R	P	P	A	P	P
37	1CE20CS027	DEEPASHREE N	P	P	P	P	P
38	1CE20CS028	DEEPTHI S	P	P	P	P	P
39	1CE20CS029	DHANUSH KUMAR D	P	P	P	P	P
40	1CE20CS030	DIVYASHREE S	P	P	P	P	A
41	1CE20CS031	DR MOHAN KUMAR	P	P	P	P	P
42	1CE20CS032	FOUZIA I	P	P	P	P	P
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52	1CE20CS042	KAUSHIK M R	P	P	P	P	P
53	1CE20CS043	KEERTHANA L	P	P	P	P	P
54	1CE20CS044	KRUPASHREE G	P	P	P	P	P
55	1CE20CS045	KUMARASWAMY P	P	P	P	P	P
56	1CE20CS046	LIKITHA R	P	P	P	P	P
57	1CE20CS047	M R ADHITHI	P	P	P	P	P
58	1CE20CS048	MANASA P	P	P	P	P	P

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59	1CE20CS049	MOHAMMED MOIN KADRI	P	P	P	P	P
60	1CE20CS050	MOHAMMED TAUHEED PASHA	P	P	P	P	P
61	1CE20CS051	MONIKA G	P	P	P	P	P
62	1CE20CS052	N ARSHIYA ALMAS	P	P	P	P	P
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71	1CE20CS061	R A RAAJESH	P	P	P	P	P
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73	1CE20CS063	RAVIPRAKASHA	P	P	P	P	P
74	1CE20CS064	SAGAR N	P	P	P	P	P
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76	1CE20CS066	SAMIR YOUSUFF KHAN	P	P	P	P	P
77	1CE20CS067	SARASWATI SURESH SADARAGOND	P	P	P	P	P
78	1CE20CS068	SHOBA H N	P	P	P	P	P
79	1CE20CS069	SNEHA S	P	P	P	P	P
80	1CE20CS070	SONAM VISHWAKRAM	P	P	P	P	P
81	1CE20CS071	SPOORTHI M G	P	P	P	P	P
82	1CE20CS072	SUBHENDU SAGAR	P	P	P	P	P
83	1CE20CS073	SUBRAMANI M	P	P	P	P	P
84	1CE20CS074	SULAIMAN KHAN	P	P	P	P	P
85	1CE20CS075	SWATI SATEESHKUMAR KUDRAGI	P	P	P	P	P
86	1CE20CS076	SYED HOUZAIFA	P	P	P	P	P

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Kanakapura Main Road, BANGALORE - 560 061

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87	1CE20CS077	SYED NAWAZ	P	P	P	P	P
88	1CE20CS078	TARIQ ANJUM	P	P	P	P	P
89	1CE20CS079	TARUN V	P	P	P	P	P
90	1CE20CS080	TEJAS B R	P	P	P	P	P
91	1CE20CS081	TEJAS J KUMAR	P	P	A	P	P
92	1CE20CS082	UMME HANI M A	P	P	P	P	P
93	1CE20CS083	V MANOJ KUMAR	P	P	P	P	P
94	1CE20CS084	VAISHNAVI K	P	P	P	P	P
95	1CE20CS085	VENUGOPAL D	P	P	P	P	P
96	1CE20CS086	VISHWA V	P	P	P	P	P
97	1CE20CS087	VIVEK GAUTAM	A	P	P	P	P
98	1CE20CS088	YARUB BABA	P	P	P	P	P
99	1CE20CS089	YASHASHREE R	P	P	P	P	P
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106	1CE20IS002	AMISHA RASHMINATH	P	P	P	P	P
107	1CE20IS003	LIKHITH R J	P	P	P	P	P
108	1CE20ME001	SUHAS B	P	P	P	P	P
109	1CE20ME002	ABHILASH A SUVAN	P	P	P	P	P

Coordinator  
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HOD  
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**Department of Basic Science**  
**Online Certificate course on Communication Proficiency**

Academic Year: 2020-2021

Date: 05-10-2020 to 09-10-2020

**Assessment Questions**

1. What is public speaking?
  - a) Writing for a live audience
  - b) Delivering a speech to a live audience**
  - c) Sending emails to a group of people
  - d) Conducting online surveys
  
2. Why is audience engagement important in public speaking?
  - a) To avoid eye contact with the audience
  - b) To connect with the audience and keep them interested**
  - c) To discourage any interaction with the audience
  - d) To make the audience uncomfortable
  
3. What should a well-structured speech have?
  - a) An engaging title
  - b) A captivating conclusion
  - c) A clear introduction, body, and conclusion**
  - e) Randomly arranged content
  
4. Which aspect of public speaking involves using voice modulation and gestures?
  - a) Audience engagement
  - b) Clear messaging
  - c) Verbal and nonverbal communication**
  - d) Time management



5) What are visual aids in public speaking?

- a) The audience's facial expressions
- b) Props used by the speaker
- c) Gestures made by the speaker
- d) Slides, charts, videos, or props used to enhance the message**

6. Why is confidence important in public speaking?

- a) To impress the audience with arrogance
- b) To make the audience uncomfortable
- c) To build credibility and engage the audience**
- d) To showcase the speaker's authority

7. What does adaptability in public speaking refer to?

- a) Using different languages in the speech
- b) Adjusting content, style, and delivery to suit the audience and situation**
- c) Changing the topic of the speech midway
- d) Ignoring the audience's feedback

8. How can public speakers ensure clear messaging in their presentations?

- a) Using complex language and jargon
- b) Keeping the message vague and ambiguous
- c) Using simple language and avoiding jargon**
- d) Overloading the audience with information

9. What is the role of time management in public speaking?

- a) Delivering the speech within the allocated time**
- b) Speaking as quickly as possible to fit more content
- c) Ignoring the time limit and speaking for as long as desired
- d) Starting late and finishing early



10. Why is managing nervousness important in public speaking?
- a) To make the audience feel uneasy
  - b) To show vulnerability and weakness
  - c) To ensure the speech is not engaging
  - d) To improve the speaker's delivery and confidence**
11. Which of the following is NOT a component of effective communication?
- a) Clarity
  - b) Ambiguity**
  - c) Feedback
  - d) Active listening
12. In the communication process, what does the term "encoding" refer to?
- a) Receiving a message
  - b) Sending a message
  - c) Converting thoughts into a message**
  - d) Understanding a message
13. What is the primary purpose of active listening?
- a) To interrupt the speaker
  - b) To prepare your own response
  - c) To fully understand the speaker's message**
  - d) To judge the speaker's message



- 14) Which of the following is an example of non-verbal communication?
- a) An email
  - b) A phone call
  - c) A handshake**
  - d) A written report
- 15) What does the term "noise" refer to in communication?
- a) Back ground sounds
  - b) Distractions that impede understanding**
  - c) Volume of the speaker's voice
  - d) Technical jargon
- 16) Which type of communication is most effective for conveying complex information?
- a) Written communication**
  - b) Non-verbal communication
  - c) Verbal communication
  - d) Visual communication
- 17) Which of the following is an example of formal communication?
- a) A casual conversation with a colleague
  - b) A project meeting**
  - c) A text message
  - d) A social media post
- 18) When providing feedback, what should you focus on?
- a) The person's character
  - b) The person's behavior**
  - c) The person's appearance
  - d) The person's background



- 19) What is the main benefit of using visual aids in a presentation?
- a) They take up time
  - b) They distract the audience
  - c) They help clarify and reinforce the message**
  - d) They make the presenter look more professional
- 20) What is the most important aspect of delivering a persuasive message?
- a) Using complex language
  - b) Being assertive and aggressive
  - c) Understanding the audience's needs and values**
  - d) Speaking for a long time
- 21) What does the term "feedback loop" refer to in communication?
- a) A repetitive argument
  - b) The process of the receiver responding to the sender's message**
  - c) The process of planning a communication
  - d) An interruption in the communication process
- 22) Which of the following best describes "active listening"?
- a) Interrupting the speaker to provide your own thoughts
  - b) Nodding occasionally while thinking about something else
  - c) Fully concentrating, understanding, responding, and remembering what is being said**
  - d) Simply hearing the speaker without processing the information
- 23) Which of the following is a barrier to effective communication?
- a) Clear message
  - b) Cultural differences**
  - c) Active listening
  - d) Feedback



24) What is the role of body language in communication?

- a) It is irrelevant
- b) It can contradict verbal messages**
- c) It has no impact on the message
- d) It always matches the verbal message

25) Which of the following is an example of upward communication?

- a) A manager giving instructions to an employee
- b) An employee providing feedback to a manager**
- c) A team meeting among colleagues
- d) A customer complaint

Coordinator  
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HOD  
Dr. K. Sujatha

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Principal  
Dr. Ramamurthy

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## Value added Course - Basic Science 2020-21

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Assessment Questions on Online Certificate Course 20-21 on Communication Proficiency

1. What is public speaking?

- a) Writing for a live audience
- b) Delivering a speech to a live audience
- c) Sending emails to a group of people
- d) Conducting online surveys

2. Why is audience engagement important in public speaking?

- a) To avoid eye contact with the audience
- b) To connect with the audience and keep them interested
- c) To discourage any interaction with the audience
- d) To make the audience uncomfortable

3. What should a well-structured speech have? \*

- a) An engaging title
- b) A captivating conclusion
- c) A clear introduction, body, and conclusion
- d) Randomly arranged content

4. Which aspect of public speaking involves using voice modulation and gestures? \*

- a) Audience engagement
- b) Clear messaging
- c) Verbal and nonverbal communication
- d) Time management

*Ravi Nishitha*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Hanakapura Main Road, BANGALORE - 560 061

Sample Google Assessment Form

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*S. Kaulan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Hanakapura Main Road, BANGALORE - 560 061



## Department of Basic Science

Academic Year: 2020-2021

### Assessment Marks

SL.NO	USN	NAME	MARKS	SL.NO	USN	NAME	MARKS
1	1CE20AI001	ABDUL FAHEEM	25	28	1CE20CS018	B DHANALAKSHMI BAI	19
2	1CE20AI002	HAJIRA AHMED	20	29	1CE20CS019	BENITTA HATHSIYAL X	22
3	1CE20AI003	KEDAR JOSHI	21	30	1CE20CS020	BHAGYASHREE	20
4	1CE20AI004	KOKILA K R	25	31	1CE20CS021	BHARGAVI N PRAKASH	22
5	1CE20AI005	RITHIK MARIAN S	19	32	1CE20CS022	CHANDANA G	20
6	1CE20AI006	SHARON ZIPPORAH S	15	33	1CE20CS023	CHITANYA C	20
7	1CE20AI007	SHARONA SAM	19	34	1CE20CS024	DANIYA KHANUM	25
8	1CE20AI008	SUHAS GAJANANA	25	35	1CE20CS025	DEEKSHA R GOWDA	23
9	1CE20AI009	SYEDA ALIYAH BAKSHI	20	36	1CE20CS026	DEEPAK KUMAR R	20
10	1CE20CV001	THYAGRAJ	21	37	1CE20CS027	DEEPASHREE N	24
11	1CE20CS001	ABHAY	25	38	1CE20CS028	DEEPTHI S	18
12	1CE20CS002	ABHINAV KUMAR SINGH	22	39	1CE20CS029	DHANUSH KUMAR D	20
13	1CE20CS003	ABHISHEK VATS	17	40	1CE20CS030	DIVYASHREE S	19
14	1CE20CS004	ADARSH MISHRA S	22	41	1CE20CS031	DR MOHAN KUMAR	23
15	1CE20CS005	ADITHI B	25	42	1CE20CS032	FOUZIA I	20
16	1CE20CS006	AFNAN AHMED	21	43	1CE20CS033	GANESH	17
17	1CE20CS007	AISHWARYA	18	44	1CE20CS034	GIRIJA NARAYAN HEGDE	20
18	1CE20CS008	AJAY ANUPAM	15	45	1CE20CS035	GOWTHAM S V	20
19	1CE20CS009	AMIR ANJUM	21	46	1CE20CS036	HALEEMA SULTANA	20
20	1CE20CS010	AMULYA Y R	20	47	1CE20CS037	IRAM SHAIKH	25
21	1CE20CS011	ANAND M	25	48	1CE20CS038	JUDAH A	23
22	1CE20CS012	ANANYA B C	23	49	1CE20CS039	JYOTHI JR SAHANI	22
23	1CE20CS013	ANANYA BHAGAVAN	19	50	1CE20CS040	K G DHANYA JOGI	18
24	1CE20CS014	ANURADHA SHARMA	22	51	1CE20CS041	KASIBA AFFRIEN	20
25	1CE20CS015	ANUSHREE B S	18	52	1CE20CS042	KAUSHIK M R	25
26	1CE20CS016	ARAVIND V	21	53	1CE20CS043	KEERTHANA L	23
27	1CE20CS017	ASTHA	20	54	1CE20CS044	KRUPASHREE G	23



SL.NO	USN	NAME	MARKS	SL.NO	USN	NAME	MARKS
55	1CE20CS045	KUMARASWAMY P	22	83	1CE20CS073	SUBRAMANI M	21
56	1CE20CS046	LIKITHA R	18	84	1CE20CS074	SULAIMAN KHAN	20
57	1CE20CS047	M R ADHITHI	25	85	1CE20CS075	SWATI SATEESHKUMAR KUDRAGI	23
58	1CE20CS048	MANASA P	20	86	1CE20CS076	SYED HOUZAIFA	22
59	1CE20CS049	MOHAMMED MOIN KADRI	24	87	1CE20CS077	SYED NAWAZ	21
60	1CE20CS050	MOHAMMED TAUHEED PASHA	17	88	1CE20CS078	TARIQ ANJUM	19
61	1CE20CS051	MONIKA G	19	89	1CE20CS079	TARUN V	22
62	1CE20CS052	N ARSHIYA ALMAS	21	90	1CE20CS080	TEJAS B R	18
63	1CE20CS053	NAMRATA PALAKI	23	91	1CE20CS081	TEJAS J KUMAR	20
64	1CE20CS054	NAVEEN KV	24	92	1CE20CS082	UMME HANI M A	19
65	1CE20CS055	NIMMI SAGAR	16	93	1CE20CS083	V MANOJ KUMAR	21
66	1CE20CS056	OMKAR KUNDANGAR	21	94	1CE20CS084	VAISHNAVI K	17
67	1CE20CS057	POOJA S	24	95	1CE20CS085	VENUGOPAL D	21
68	1CE20CS058	PRANAM K R	23	96	1CE20CS086	VISHWA V	20
69	1CE20CS059	PULKIT YADAV	24	97	1CE20CS087	VIVEK GAUTAM	18
70	1CE20CS060	PUSHKAR	22	98	1CE20CS088	YARUB BABA	21
71	1CE20CS061	R A RAAJESH	21	99	1CE20CS089	YASHASHREE R	18
72	1CE20CS062	RAVI KUMAR	15	100	1CE20CS090	YASHASWINI R P	20
73	1CE20CS063	RAVIPRAKASHA	19	101	1CE20CS091	SUJAY V	21
74	1CE20CS064	SAGAR N	21	102	1CE20EC001	BHANU CHANDAN K B	23
75	1CE20CS065	SAMANA R	25	103	1CE20EC002	KEERTHI A	20
76	1CE20CS066	SAMIR YOUSUFF KHAN	20	104	1CE20EC003	SUKRUTH S R	25
77	1CE20CS067	SARASWATI SURESH S	18	105	1CE20IS001	AAYUSHA KUMARI	20
78	1CE20CS068	SHOBA H N	22	106	1CE20IS002	AMISHA RASHMINATH	18
79	1CE20CS069	SNEHA S	20	107	1CE20IS003	LIKHITH R J	25
80	1CE20CS070	SONAM VISHWAKRAM	19	108	1CE20ME001	SUHAS B	24
81	1CE20CS071	SPOORTHI M G	22	109	1CE20ME002	ABHILASH A SUVAN	21
82	1CE20CS072	SUBHENDU SAGAR	15				

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*Skandan*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081

*Ramachandran*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081



## Department of Basic Science

### Online Certificate course on Communication Proficiency

Academic Year: 2020-2021

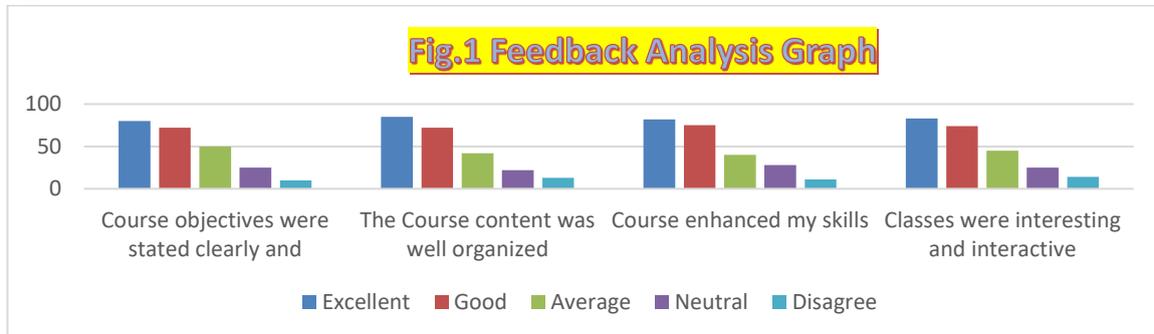
Date: 05-10-2020 to 09-10-2020

#### Student 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
ABDUL FAHEEM	Agree	Neutral	Agree	Neutral
HAJIRA AHMED	Neutral	Neutral	Agree	Neutral
IRAM SHAIKH	Agree	Disagree	Agree	Agree
JUDAH A	Agree	Agree	Agree	Neutral
N ARSHIYA ALMAS	Agree	Agree	Neutral	Neutral
NAMRATA PALAKI	Neutral	Agree	Neutral	Disagree
PRANAM K R	Agree	Agree	Neutral	Agree

Table :



#### Feedback Responses – 99

#### Feedback Summary – Students will be able to

Develop Techniques to manage and reduce anxiety associated with public speaking.

Gain confidence through repeated practice and constructive.

Organize speeches with well-defined introduction bodies and conclusions.

Utilize rhetorical and persuasive techniques to enhance the impact of speeches.

Coordinator  
Prof. Nagashree G

HOD  
Dr. K. Sujatha

PRINCIPAL  
CITY ENGINEERING COLLEGE  
NANAKPURA MAIN ROAD, BANGALORE - 560 041

Principal  
Dr. Ramamurthy



**CITY**  
ENGINEERING COLLEGE

## Department of Basic Science

### Online Certificate course on Communication Proficiency

#### Course Objectives:

- Equip you with the skills necessary to work in a team and develop soft skills to communicate efficiently and articulate yourself clearly.
- Determine the best speaking style for different types of speaking occasions.
- Improve your speaking skills, help you be a more critical thinker, fine-tune your verbal and nonverbal communication skills, and help you overcome public speaking anxiety.

#### Course Outcomes

By the end of this course, participants will be able to:

- Develop Techniques to manage and reduce anxiety associated with public speaking
- Gain confidence through repeated practice and constructive.
- Organize speeches with well-defined introduction bodies and conclusions.
- Utilize rhetorical and persuasive techniques to enhance the impact of speeches.

Coordinator  
Prof. Nagashree G

HOD  
Dr. K. Sujatha

Principal  
Dr. Ramamurthy

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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081



**CITY**  
ENGINEERING COLLEGE

Date:09/10/2020

To,  
Dr K Sujatha A,  
HOD, Physics  
CEC, Bengaluru

Subject: Letter of appreciation for Certificate course on “Communication Proficiency”

We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the Certificate Course Communication Proficiency from 05/10/2020 to 09/10/2020 conducted by Department of Basic Science, City Engineering College, Bangalore.

Thanking You,

  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
Kittakapura Main Road, BANGALORE - 560 081

Yours Sincerely

Principal

Dr. Ramamurthy



## Department of Applied Science & Humanities

### Certificate course on Communication Proficiency

A five-day Certificate Course on Communication Proficiency was organized by the Department of Basic Science from 5<sup>th</sup> to 9<sup>th</sup> Oct 2020 for first year students Online by Dr. K Sujatha is a HOD of Physics Department, Bengaluru was the resource person.

The schedule for a five-day Certificate Course on Communication Proficiency covered key topics.

Day 1: The event began with a formal inaugural function. Dr. S Karunakara, Principal CEC, HOD of Mathematics, Physics & Chemistry were present online during the inauguration. The program began by seeking the blessings of Almighty with invocation. Principal advised the students to utilize the benefits of the course completely. Dr. Jyothi P Welcomed the resource person and gave a course overview. Later the session was handed over to the speaker & he explained about Introduction to Public Speaking, Self - Assessment of current speaking skills & Speech Preparation and Organization.

Day 2: Planning and Scheduling Day two was dedicated to Developing Content and Supporting Material, Delivery Techniques & Engaging the Audience.

Day 3: The third day aimed at Handling Nervousness and Building confidence, Positive visualization and Mental Preparation & Impromptu Speaking.

Day 4: The fourth day provided an overview of Story Telling and Narrative Development, Final Speech Preparation & Managing Time and Pacing.

Day 5: The final day was about Final Presentation and Course Wrap Up, Final Speech Presentation & Future Opportunities for Public Speaking Practice.

Participants shared their experiences and insights, fostering a collaborative learning environment. The course concluded with a summary of key takeaways, a final Q&A session, and a feedback and evaluation segment to gather participants' input on the course.

Coordinator  
Prof. Nagashree G

HOD  
Dr. K. Sujatha

  
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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 081

Principal  
Dr. Ramamurthy

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**Certificate:**



**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**Ravikumar**

**1CE20CS062**

**From the Basic Science Department for participation in the  
Course on “Communication Proficiency” 05<sup>th</sup> to 09<sup>th</sup> Oct 2020**

HOD

Principal



**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**SUHAS GAJANANA**

**1CE20AI008**

**From the Basic Science Department for participation in the  
Course on “Communication Proficiency” 05<sup>th</sup> to 09<sup>th</sup> Oct 2020**

HOD

Principal



**CITY**  
ENGINEERING COLLEGE

**Certificates:**



**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

**M R ADHITHI**

**1CE20CS047**

**From the Basic Science Department for participation in the  
Course on “Communication Proficiency” 05<sup>th</sup> to 09<sup>th</sup> Oct 2020**

HOD

Principal



**CITY**  
ENGINEERING COLLEGE

**CERTIFICATE OF PARTICIPATION**

This certificate is proudly presented to

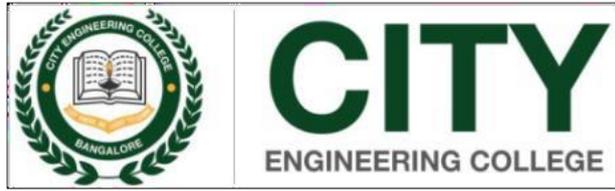
**SHARONASAM**

**1CE20CS047**

**From the Basic Science Department for participation in the  
Course on “Communication Proficiency” 05<sup>th</sup> to 09<sup>th</sup> Oct 2020**

HOD

Principal



Doddakallasandra, Bangalore-560061

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## Department of Civil Engineering Academic Year 2020 – 2021

**Course**

**On**

**Pollution Control and Environmental Laws in  
India**

**Date 07-09-20 to 11-09-20**

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*S. K. S. K.*  
PRINCIPAL  
CITY ENGINEERING COLLEGE  
A. M. S. Road, BANGALORE - 560 061



Doddakallasandra, Bangalore-560061

Date: 03-09-2020

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Course on “Pollution Control and Environmental Laws in India”.

Respected Sir,

We would like to conduct a Course on “Pollution Control and Environmental Laws in India” for final year students from Date 7-09-20 to 11-09-20. It helps the student to have an understanding of the remedial measurements in controlling the pollution.

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

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CITY ENGINEERING COLLEGE  
HARRISBURG MAIN ROAD, BANGALORE - 560061



Doddakallasandra, Bangalore-560061

Ref. No: CEC/CED/C1/1.2.1/ACY2020-21/OR/01

Date: 04/09/2020

## CIRCULAR

**Sub:** Conducting a Course.

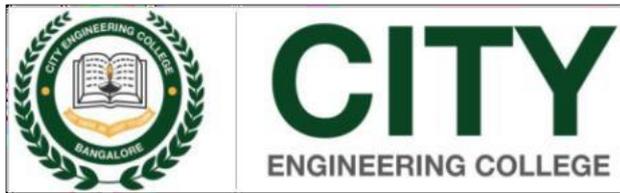
This is to inform all the final-year students that our department is going to conduct a 5-day Course on “Pollution Control and Environmental Laws in India” from Date 07-09-20 to 11-09-20. All final year students contact the respective coordinator to participate in this Course.

Dr. Thippeswamy H N

HOD

Department of Civil Engineering

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CITY ENGINEERING COLLEGE  
Hampiapura Main Road, BANGALORE - 560 061



Doddakallasandra, Bangalore-560061

**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Brochure**

<p align="center"><b>CITY ENGINEERING COLLEGE</b>          (Approved by AICTE New Delhi &amp; Affiliated by VTU, Belagavi)          Near Metro Station, Doddakallasandra          Bangalore – 560 062.</p> <p align="center"><b>Value Added Course on          Pollution Control and          Environmental Laws in India</b></p> <p align="center">Date: 07-09-20 to 11-09-20          Venue : Seminar Hall</p> <p align="center"><b>Organized by</b>          Department of Civil Engineering          City Engineering College          Bangalore-560062</p> <p align="center">www.cityengineeringcollege.ac.in</p>	<p align="center"><b>Advisory Committee</b></p> <p align="center"><u>Chief Patron</u></p> <p align="center"><b>Dr. K R Paramahansa</b>          MBA, LL.B., Ph.D. (USA), D.Litt,          Honorable Chairman          AMC – City Group of Institutions.</p> <p align="center"><u>Patrons</u></p> <p align="center"><b>Smt. Geetha Paramahansa</b>          Honorable Vice Chairperson,          AMC – City Group of Institutions.</p> <p align="center"><b>Ms. Monica Kalluri</b>          Honorable Vice – President          AMC – City Group of Institutions.</p> <p align="center"><b>Mr. Rahul Kalluri</b>          Honorable Executive – President          AMC – City Group of Institutions.</p> <p align="center"><b>Dr. V.S. Ramamurthy</b>          Principal, City Engineering college, Bangalore.</p> <p align="center"><b>Dr. Jyothi. P</b>          Vice Principal, HOD, Dept of Mathematics, CEC</p> <p align="center"><u>Convener</u></p> <p align="center"><b>Dr. Thippeswamy H N</b>          Professor and Head, Civil Engineering Department, CEC</p> <p align="center"><u>Coordinator</u></p> <p align="center"><b>Mr. Vinay Kumar S N</b>          Assistant Professor, Dept. of Civil Engineering, CEC</p>	<p align="center"><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>
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<p align="center"><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 align="center"><b>Expert Speakers for the Program</b></p> <p align="center"><b>Shri D.R. Kumaraswamy</b>  <b>Retd. Senior Environmental          Officer, Enviro Care Cell,          Karnataka State Pollution          Control Board,          Bangalore</b></p>	<p align="center"><b>About Plumbing</b></p> <p>A Pollution Control and Environmental Laws in India value-added course is designed to helps the student to have an understanding of the remedial measurements in controlling the pollution . This course aims to provide a basic level understanding of the legislative framework of environmental regulation, its implementation and adjudication, to enable students to identify core environmental issues and legal and institutional responses to them, to introduce the basic concepts and principles of environmental law and to analyse these principles as tools of environmental protection, where the laws and policies fall short, to safeguard and improve the quality of the environment by preventing, controlling, and abating pollution .</p>
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Doddakallasandra, Bangalore-560061

**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Schedule**

Academic Year: 2020-21

Venue: Seminar Hall

Date	Session 1 (9:15 – 11:15)	Session 2 (11:30 – 1:30)		Session 3 (2:00 – 4:00)
07-09-2020	Introduction about pollution	Control measures of pollution	Lunch Break (1:30 – 2:00)	Role of Pollution Control Boards
08-09-2020	Understanding of the environmental governance structure of the country and their implementation statistics	Learning about laws and rules of waste management		Environmental Protection Act
09-09-2020	Air act	Water Act		Solid Waste and Plastic waste Management rules
10-09-2020	Hazardous Waste Management rules	E-waste management rules		Overview of the obligations of industry and individuals under various environmental laws and regulations.
11-09-20	Role of National Green Tribunal (NGT), environmental courts	Animal welfare, Wildlife & Forest conservation		Criminal Laws, Procedure and Enforcement for abatement of Environment Pollution

*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  
 A PANDURANG MATH ROAD, BANGALORE - 560061

*Dr. Thippeswamy H N*

Dr. Thippeswamy H N  
 HOD  
 Department of Civil Engineering



Doddakallasandra, Bangalore-560061

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**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Course Content**

**Module 1:** Introduction about pollution, Control measures of pollution & Role of Pollution Control Boards,

**Module 2:** Understanding of the environmental governance structure of the country and their implementation statistics, Learning about laws and rules of waste management.

**Module 3:** Environmental Protection Act, Air act & Water Act.

**Module 4:** Solid Waste and Plastic waste Management rules, Hazardous Waste Management rules & E-waste management rules.

**Module 5:** Overview of the obligations of industry and individuals under various environmental laws and regulations, Role of National Green Tribunal (NGT), environmental courts, Animal welfare, Wildlife & Forest conservation & Criminal Laws, Procedure and Enforcement for abatement of Environment Pollution.

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

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

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Kanjappa's Main Road, BANGALORE - 560 061



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**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**

**Resource Person Profile**



**D.R. Kumaraswamy**

**Retd. Senior Environmental Officer, Enviro Care Cell,  
Karnataka State Pollution Control Board, Bangalore**

- Shri D.R. Kumaraswamy born on 02/08/1959 at Shivmogga. He graduated (B.E. Civil) at Davanagere from GBDT College of Engineering, Mysore University in 1983 with first class with distinction. He completed his Master Degree (Environmental Engineering) from BVM College of Engineering, V.V. Nagar, Anand, Gujarat.
- He joined the KSPCB during 1984 as Assistant Engineer. He held the number of positions in the Pollution Control Board like Member Secretary, Chief Environmental Officer & Head of the Central Laboratory & worked almost all the district of the state.
- He is also an External Examiner for Visveswaraiah Technological University Engineering College.
- Presently he is Retired Senior Environmental Officer, Enviro care cell Head office & SEO, Bangalore North office, Bangalore.
- He has received number of awards from local organizations like Parisara Ratna, Swarna Bhushana, Karnataka Seva Puraskara & Best Environmental Officer.

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*SK*  
PRINCIPAL  
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Kanjapura Main Road, BANGALORE - 560 081



Doddakallasandra, Bangalore-560061

## Department of Civil Engineering

### Enrolled Student List

Sl. No.	USN	Name
1	1CE17CV003	AKSHAY
2	1CE17CV006	CHANDANA
3	1CE17CV007	DAYANANDA B L
4	1CE17CV008	DILEEP KUMAR H R
5	1CE17CV010	HARI PRASAD S
6	1CE17CV012	K H SHASHANK
7	1CE17CV015	MAMATHA N
8	1CE17CV018	NEHA MUKUNDHAN
9	1CE17CV021	NIYAZAHMED ATTAR
10	1CE17CV023	PRABHU SAGAR K
11	1CE17CV024	PRAMODA N
12	1CE17CV025	RAKESH B RAJ
13	1CE17CV027	SACHIN K
14	1CE17CV031	SHIFALI G
15	1CE17CV034	SUDARSHAN S
16	1CE17CV035	SUFIYA RAHEE
17	1CE17CV036	TEJASWINI BK
18	1CE17CV037	VENKATESH LT
19	1CE17CV038	VINAY K
20	1CE18CV401	MAHADEVAPPA
21	1CE18CV402	MANOJ
22	1CE18CV403	NAGARAJ
23	1CE18CV404	SYED IQBAL

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# CITY

ENGINEERING COLLEGE

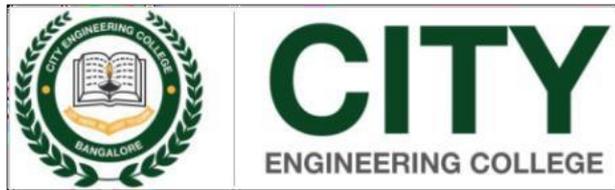
Doddakallasandra, Bangalore-560061

**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Attendance List of Enrolled Students**

Sl. No	USN	Name	7/09/20	8/09/20	9/09/20	10/09/20	11/09/20	Signature
1	ICE17CV003	AKSHAY	P	P	P	P	P	Akshay
2	ICE17CV006	CHANDANA	P	A	P	P	P	Chandana
3	ICE17CV007	DAYANANDA B L	P	P	P	A	P	Dayananda
4	ICE17CV008	DILEEP KUMAR H R	P	P	P	P	P	Dileep
5	ICE17CV010	HARI PRASAD S	P	P	P	P	P	Hari
6	ICE17CV012	K H SHASHANK	P	P	P	P	P	K.H. Shashank
7	ICE17CV015	MAMATHA N	P	P	A	P	P	Mamatha
8	ICE17CV018	NEHA MUKUNDHAN	P	P	P	A	P	Neha
9	ICE17CV021	NIYAZAHMED ATTAR	P	P	P	P	P	Niyaz
10	ICE17CV023	PRABHU SAGAR K	P	P	P	P	P	Prabhu
11	ICE17CV024	PRAMODA N	P	A	P	P	P	Pramod
12	ICE17CV025	RAKESH B RAJ	P	A	P	P	P	Rakesh
13	ICE17CV027	SACHIN K	P	P	P	P	P	Sachin
14	ICE17CV031	SHIFALI G	P	P	P	P	P	Shifali
15	ICE17CV034	SUDARSHAN S	P	P	P	P	P	Sudharsh
16	ICE17CV035	SUFIYA RAHEE	P	A	P	P	P	Sufiya
17	ICE17CV036	TEJASWINI BK	P	P	A	P	P	Tejaswini
18	ICE17CV037	VENKATESH LT	P	A	P	P	P	Venkatesh
19	ICE17CV038	VINAY K	P	P	P	P	P	Vinay.K
20	ICE18CV401	MAHADEVAPPA	P	P	A	P	P	Mahadevappa
21	ICE18CV402	MANOJ	P	A	P	P	P	Manoj
22	ICE18CV403	NAGARAJ	P	A	P	P	P	Nagaraj
23	ICE18CV404	SYED IQBAL	P	P	P	P	P	Syed Iqbal

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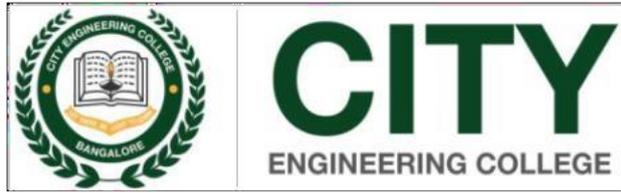
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**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Assessment Questions for the Course**

1. The main global contributing factors to greenhouse-gas emissions are
  - a. **Electricity production and transportation**
  - b. Industrial processes
  - c. Agricultural processes
  - d. Agriculture and transportation
2. One of the following is the first major environmental protection act to be promulgated in India?
  - a. Environmental Act
  - b. Air act
  - c. **Water act**
  - d. none of the above
3. is a problem not associated with population growth?
  - a. Food and energy storages
  - b. Environmental pollution
  - c. Increased resource consumption
  - d. **none of the above**
4. Which of the following statements is true about global warming?
  - a. Global warming has led to large scale deforestation
  - b. **Global warming has led to a rise in the sea levels**
  - c. Global warming has led to a rapid increase in the population across several countries
  - d. Global warming has led to a huge amount of waste generation
5. Which of the following was the main purpose behind up the Central Pollution Control Board (CPCB)?
  - a. **main purpose of the Central Pollution Control Board was to regulate air pollution**
  - b. The main purpose of the Central Pollution Control Board was to regulate water pollution
  - c. The main purpose of the Central Pollution Control Board was to regulate noise pollution
  - d. The main purpose of the Central Pollution Control Board was to regulate deforestation
6. Which of the following statements about the ozone shield is accurate?
  - a. Ozone shield is found in the troposphere
  - b. **Ozone shield is found in the stratosphere**
  - c. Ozone shield is found in the exosphere
  - d. Ozone shield is found in the mesosphere
7. Which of the following statements is true about the ozone layer depletion?
  - a. Ozone layer depletion leads to the problem of skin cancer within humans
  - b. Ozone layer depletion results in a lower amount of production of phytoplankton
  - c. Ozone layer depletion hampers the growth of the terrestrial plants
  - d. **All of the above**

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8. Which of the following statements is true?
- The Central Pollution Control Board has identified twenty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified thirty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified forty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified seventeen industrial categories as significantly polluting**
9. Which of the following statements is true?
- Economic growth is the modern concept for development
  - Political growth is the modern concept for development
  - Sustainable growth is the modern concept for development**
  - Social growth is the modern concept for development
10. Which of the following statements is correct?
- The Chipko movement was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Kyoto protocol was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Appiko movement was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Montreal protocol was about banning the use of chlorofluorocarbon, bromine and chlorine compounds**
11. Which of the following is true about the environment?
- The environment includes only biotic factors
  - The environment includes only abiotic factors
  - The environment includes both biotic and abiotic factors**
  - The environment includes neither biotic nor abiotic factors
12. Ozone depletion is caused due to increase in the level of
- Water vapour
  - Oxygen
  - Chlorofluorocarbon**
  - Carbon monoxide
13. Which of the following gas affects human health by reducing the blood's ability to carry oxygen to different parts of the body?
- Carbon monoxide**
  - Carbon dioxide
  - Sulphur dioxide
  - Nitrous dioxide
14. The best way to dispose plant waste is \_\_\_\_\_
- Burning
  - Composting**
  - Dumping in a hilly area
  - Incineration
15. Which of the following is not a major greenhouse gas \_\_\_\_\_?
- Carbon dioxide
  - Methane
  - Water vapour
  - Calcium carbonate**

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*S. K. S.*  
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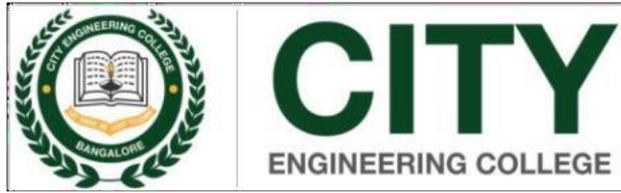


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16. Unburnt carbon particles cause \_\_\_\_\_
- Cardiac problem
  - Respiratory problems**
  - Throat problems
  - Skin infection
17. Maximum soot is released from \_\_\_\_\_
- Petrol vehicles
  - Diesel Vehicles
  - CNG vehicles
  - Thermal power plants**
18. In the metro city of Kolkata, the major cause of air pollution is \_\_\_\_\_
- Cement plants**
  - Chemical industry
  - Hydrocarbons
  - Water vapours
19. Which of the following legislations in India primarily deals with the protection and conservation of forests and wildlife?
- Water (Prevention and Control of Pollution) Act, 1974
  - Air (Prevention and Control of Pollution) Act, 1981
  - Environment (Protection) Act, 1986
  - Wildlife Protection Act, 1972**
20. Which legislation in India is primarily concerned with the prevention, control, and abatement of environmental pollution?
- Wildlife Protection Act, 1972
  - Air (Prevention and Control of Pollution) Act, 1981
  - Forest (Conservation) Act, 1980
  - Water (Prevention and Control of Pollution) Act, 1974**
21. Which law in India mandates the preparation of Environmental Impact Assessment (EIA) reports for certain projects and activities?
- Environment (Protection) Act, 1986**
  - Wildlife Protection Act, 1972
  - Forest (Conservation) Act, 1980
  - Public Liability Insurance Act, 1991
22. Which legislation in India is primarily concerned with the protection and management of forests?
- Wildlife Protection Act, 1972
  - Forest (Conservation) Act, 1980**
  - Air (Prevention and Control of Pollution) Act, 1981
  - Water (Prevention and Control of Pollution) Act, 1974
23. Which law in India is aimed at protecting and improving the quality of air and controlling air pollution?
- Wildlife Protection Act, 1972
  - Forest (Conservation) Act, 1980
  - Air (Prevention and Control of Pollution) Act, 1981**
  - Water (Prevention and Control of Pollution) Act, 1974

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24. Which legislation in India is aimed at protecting and improving the quality of the environment and preventing hazards to human beings, other living creatures, plants, and property?

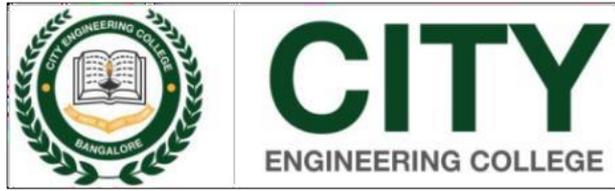
- a. **Environment (Protection) Act, 1986**
- b. Wildlife Protection Act, 1972
- c. Forest (Conservation) Act, 1980
- d. Water (Prevention and Control of Pollution) Act, 1974

25. Which of the following pollutants is primarily targeted by the Air (Prevention and Control of Pollution) Act, 1981 in India?

- a. Noise pollution
- b. Water pollution
- c. Soil pollution
- d. **Air pollution**

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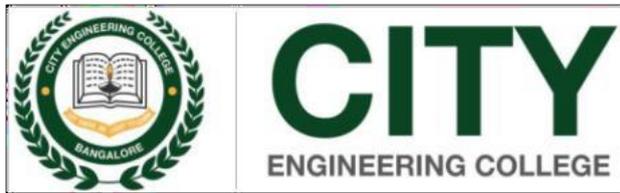
Doddakallasandra, Bangalore-560061

**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Assessment Marks of Enrolled Students**

Sl. No	USN	Name	Marks
1	1CE17CV003	AKSHAY	21
2	1CE17CV006	CHANDANA	19
3	1CE17CV007	DAYANANDA B L	18
4	1CE17CV008	DILEEP KUMAR H R	23
5	1CE17CV010	HARI PRASAD S	24
6	1CE17CV012	K H SHASHANK	23
7	1CE17CV015	MAMATHA N	21
8	1CE17CV018	NEHA MUKUNDHAN	22
9	1CE17CV021	NIYAZAHMED ATTAR	23
10	1CE17CV023	PRABHU SAGAR K	21
11	1CE17CV024	PRAMODA N	20
12	1CE17CV025	RAKESH B RAJ	20
13	1CE17CV027	SACHIN K	22
14	1CE17CV031	SHIFALI G	22
15	1CE17CV034	SUDARSHAN S	24
16	1CE17CV035	SUFIYA RAHEE	21
17	1CE17CV036	TEJASWINI BK	21
18	1CE17CV037	VENKATESH LT	19
19	1CE17CV038	VINAY K	20
20	1CE18CV401	MAHADEVAPPA	20
21	1CE18CV402	MANOJ	20
22	1CE18CV403	NAGARAJ	18
23	1CE18CV404	SYED IQBAL	23

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**Department of Civil Engineering**  
**Course on Pollution Control and Environmental Laws in India**  
**Enrolled Students Feedback Analysis**

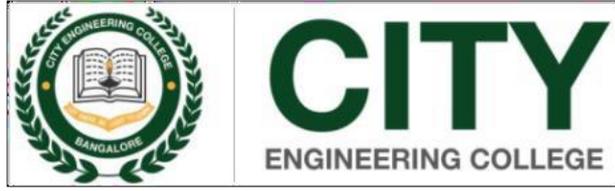
**Sample Feedback Analysis of students:**

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
NEHA MUKUNDHAN	Agree	Agree	Agree	Agree	Average
NIYAZAHMED ATTAR	Agree	Neutral	Neutral	Neutral	Good
PRABHU SAGAR K	Agree	Agree	Agree	Agree	Good
PRAMODA N	Agree	Agree	Agree	Neutral	Excellent
RAKESH B RAJ	Agree	Agree	Neutral	Agree	Average
SACHIN K	Neutral	Neutral	Neutral	Agree	Good
SHIFALI G	Agree	Agree	Neutral	Agree	Good
SUDARSHAN S	Neutral	Neutral	Agree	Neutral	Excellent
SUFIYA RAHEE	Agree	Neutral	Agree	Agree	Average
TEJASWINI BK	Agree	Agree	Agree	Agree	Good



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Feedback response from the Value-added course conducted from 07-09-20 to 11-09-20 on Pollution Control and Environmental Laws in India is very effective & lead to better job prospects & career advancement.



Doddakallasandra, Bangalore-560061

Date:11/09/2020

To,

D.R. Kumaraswamy  
Senior Environmental Officer,  
Enviro Care Cell,  
Karnataka State Pollution Control Board,  
Bangalore

Dear D.R. Kumaraswamy,

**Subject: Letter of appreciation for conducting Course on Pollution Control and Environmental Laws in India.**

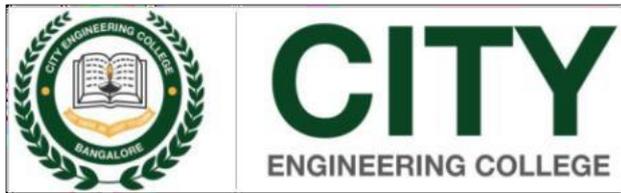
We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the **Course on Pollution Control and Environmental Laws in India** from 7<sup>th</sup> to 11<sup>th</sup> September 2020 conducted by Department of Civil Engineering, City Engineering College, Bangalore.

Thanking You,

Sincerely,

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

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## Department of Civil Engineering

### Course on Pollution Control and Environmental Laws in India

#### Course Objectives

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

1. To provide a basic level understanding of the legislative framework of environmental regulation, its implementation and adjudication
2. To enable students to identify core environmental issues and legal and institutional responses to them.
3. To introduce the basic concepts and principles of environmental law and to analyse these principles as tools of environmental protection, where the laws and policies fall short.
4. To safeguard and improve the quality of the environment by preventing, controlling, and abating pollution.

#### Course Outcomes

The students will be able to:

1. The primary learning outcome is to sensitize the students towards human activities that adversely affect the environment and the need for regulation of such activities.
2. Students will develop a thorough understanding of practice and procedure followed by various environmental law enforcing agencies/bodies.
3. Students will be able to pursue environmental litigation before the National Green Tribunal and assist the Tribunal as a researcher or in any other capacity.
4. Students will be able to assist industries and projects in obtaining environmental clearance and compliances with other environmental laws.

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

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CITY ENGINEERING COLLEGE  
Kanakapura Main Road, BANGALORE - 560 061

Dr. Thippeswamy H N  
HOD  
Department of Civil Engineering

## DEPARTMENT OF CIVIL ENGINEERING

### REPORT OF COURSE ON POLLUTION CONTROL AND ENVIRONMENTAL LAWS IN INDIA

The Department of Civil Engineering, City Engineering College organized the course on “**Pollution Control and Environmental Laws in India**” by Sri D.R. Kumaraswamy, Senior Environmental Officer, Enviro Care Cell, Karnataka State Pollution Control Board, Bangalore from 7<sup>th</sup> to 11<sup>th</sup> September 2020 in Seminar Hall, 4<sup>th</sup> Floor, Department of Civil Engineering. Mrs. Vidyadhare, Asst. Prof., Department of Civil Engineering welcomed the speaker and audience. Dr. Thippeswamy, H. N., Prof. and Head, welcomed the speaker by presenting the medicinal plant to the speaker. Ms. R.V. Gayathri, Asst. Prof., Department of Civil Engineering introduced the speaker. Sri D.R. Kumaraswamy explained the remedial measurements in controlling the pollution. He also emphasized the following points:

- How to maintain our surrounding by cleaning as a citizen of India.
- How environmental laws are implemented.
- How to creating the awareness among public by educated people to maintain safe environment. The faculty members and students of our department were present.

Dr. Thippeswamy, H.N., Prof and Head gave vote of thanks.



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**Fig:1 Dr. Thippeswamy, H. N., Prof. and Head, welcomed the speaker by presenting the medicinal plant.**



**Fig:2 Speaker addressing Students**



**Fig:3 Students listening to Speaker**

*Mr. Vinay Kumar S N*

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

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*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

**DILEEP KUMAR H R**  
**1CE17CV008**

In Recognition of his/her valuable participation in the Five days' Course on  
**Pollution Control and Environmental Laws in India** from 7th to 11th September 2020.

  
HOD

  
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**CITY**  
ENGINEERING COLLEGE

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

This certificate is proudly presented to

**NEHA MUKUNDHAN**  
**1CE17CV018**

In Recognition of his/her valuable participation in the Five days' Course on  
**Pollution Control and Environmental Laws in India** from 7th to 11th September 2020.

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

This certificate is proudly presented to

**HARI PRASAD S**  
**1CE17CV010**

In Recognition of his/her valuable participation in the Five days' Course on  
**Pollution Control and Environmental Laws in India** from 7th to 11th September 2020.



HOD



PRINCIPAL



**Department of Mechanical Engineering**  
**Academic Year 2020 – 2021**

**Course**

**On**

**Energy and Environment**

**Date 07-09-20 to 11-09-20**



Date: 03-09-2020

To

The principal  
City Engineering College  
Bangalore

Sub: Regarding Permission to conduct Course on “Energy and Environment”.

Respected Sir,

We would like to conduct a Course on “Energy and Environment” for final year students from Date 7-09-20 to 11-09-20. It helps the student to have an understanding of the remedial measurements in controlling the pollution.

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/ACY2020-21/01

Date: 04/09/2020

## **CIRCULAR**

**Sub:** Conducting a Course on Energy and Environment

This is to inform all the final-year students that our department is going to conduct a 5-day Course on “Energy and Environment” from Date 07-09-20 to 11-09-20. Thank you for your attention and we look forward to your active participation.

*S Karunakara*

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 Energy and Environment

Date: 07-09-2020 to 11-09-2020  
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

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##### 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

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.

## Expert Speakers for the Program

### **D.R. Kumaraswamy**

Retd. Senior Environmental Officer,  
Enviro Care Cell,  
Karnataka State Pollution Control Board,  
Bangalore

### **Convenor**

### **Dr. S.Karunakara**

Professor and Head, Mechanical  
Engineering Department

### **Coordinator**

### **Mr. Sampath HP**

Professor and Head, Mechanical  
Engineering Department

## About Energy and Environment

Energy and Environment courses cover topics related to energy production, consumption, and environmental impact. They may also address the challenges of energy use and sustainable energy. Some courses may include practical learning on emerging technologies, such as energy auditing, waste water treatment, and air and water pollution control.

Energy and Environment courses typically focus on the intersection of energy production, consumption, and environmental impact. Energy and Environment courses cover a range of topics related to sustainable energy, environmental conservation, and the challenges posed by energy use



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Energy and Environment**

**Schedule**

Academic Year: 2020-21

Venue: Seminar Hall

<b>Date</b>	<b>Session 1 (9:15 – 11:15)</b>	<b>Session 2 (11:30 – 1:30)</b>		<b>Session 3 (2:00 – 4:00)</b>
07-09-2020	Introduction about pollution	Control measures of pollution		Role of Pollution Control Boards
08-09-2020	Understanding of the environmental governance structure of the country and their implementation statistics	Learning about laws and rules of waste management		Environmental Protection Act
09-09-2020	Air act	Water Act	Lunch Break (1:30 – 2:00)	Solid Waste and Plastic waste Management rules
10-09-2020	Hazardous Waste Management rules	E-waste management rules		Overview of the obligations of industry and individuals under various environmental laws and regulations.
11-09-20	Role of National Green Tribunal (NGT), environmental courts	Animal welfare, Wildlife & Forest conservation		Criminal Laws, Procedure and Enforcement for abatement of Environment Pollution

**Course Coordinator**

Mr. Sampath HP  
Assistant Professor

Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD

Department of Mechanical Engineering



## Department of Mechanical Engineering

### Course on Energy and Environment

#### Course Content

**Module 1:** Introduction about pollution, Control measures of pollution & Role of Pollution Control Boards,

**Module 2:** Understanding of the environmental governance structure of the country and their implementation statistics, Learning about laws and rules of waste management.

**Module 3:** Environmental Protection Act, Air act & Water Act.

**Module 4:** Solid Waste and Plastic waste Management rules, Hazardous Waste Management rules & E-waste management rules.

**Module 5:** Overview of the obligations of industry and individuals under various environmental laws and regulations, Role of National Green Tribunal (NGT), environmental courts, Animal welfare, Wildlife & Forest conservation & Criminal Laws, Procedure and Enforcement for abatement of Environment Pollution.



**Course Coordinator**

Mr. Sampath HP  
Assistant Professor

Department of Mechanical Engineering



**HOD**

Dr.S.Karunakara  
HOD

Department of Mechanical Engineering



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**Department of Mechanical Engineering**  
**Course on Energy and Environment**

**Resource Person Profile**



**D.R. Kumaraswamy**

**Retd. Senior Environmental Officer, Enviro Care Cell,  
Karnataka State Pollution Control Board, Bangalore**

- Shri D.R. Kumaraswamy born on 02/08/1959 at Shivmogga. He graduated (B.E. Mechanical) at Davanagere from GBDT College of Engineering, Mysore University in 1983 with first class with distinction. He completed his Master Degree (Environmental Engineering) from BVM College of Engineering, V.V. Nagar, Anand, Gujarat.
- He joined the KSPCB during 1984 as Assistant Engineer. He held the number of positions in the Pollution Control Board like Member Secretary, Chief Environmental Officer & Head of the Central Laboratory & worked almost all the district of the state.
- He is also an External Examiner for Visveswaraiah Technological University Engineering College.
- Presently he is Retired Senior Environmental Officer, Enviro care cell Head office & SEO, Bangalore North office, Bangalore.
- He has received number of awards from local organizations like Parisara Ratna, Swarna Bhushana, Karnataka Seva Puraskara & Best Environmental Officer.



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Energy and Environment**

**Student List**

SL. NO.	USN	NAME
1	1CE16ME013	HALLESH
2	1CE16ME020	LOKESH BHARANI
3	1CE16ME021	MANJUNATH H
4	1CE16ME039	TRHISHUL KUMAR
5	1CE17ME005	DHANUSH B R
6	1CE17ME006	DHANUSH M
7	1CE17ME008	HARSHA K
8	1CE17ME011	MANOJ RS
9	1CE17ME012	MITHUN SHARMA N
10	1CE17ME013	MD.ARAFATH
11	1CE17ME015	NIRANJAN R S
12	1CE17ME017	PAVAN KUMAR A
13	1CE17ME018	PAVAN T
14	1CE17ME020	PRASHANTH S KOTAGI
15	1CE17ME022	PUNITH M
16	1CE17ME023	RAKESH N G
17	1CE17ME024	RAKSHITH B S
18	1CE17ME025	RANJITH BOBIN DSOUZA
19	1CE17ME028	SANDEEP S
20	1CE17ME031	SATHISH KUMAR S
21	1CE17ME033	SHIVALINGAPPA S S
22	1CE17ME035	SRINIVASA P
23	1CE17ME037	SURAJ B S
24	1CE17ME038	SURYA SIMHA BHAT G N
25	1CE17ME039	SYED JABIR A
26	1CE17ME040	TARUN H
27	1CE17ME042	VIJAYAKUMAR SWAMY
28	1CE18ME400	PRADEEP
29	1CE16ME042	VIJAY KUMAR M



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ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Energy and Environment**

**Attendance List**

Sl. No	USN	Name	07-09-2020	08-09-2020	09-09-2020	10-09-2020	11-09-2020	Signature
1	ICE16ME013	HALLESH	P	A	P	P	P	Hallesh
2	ICE16ME020	LOKESH BHARANI	P	P	A	P	P	Lokesh
3	ICE16ME021	MANJUNATH H	P	P	P	P	P	Manju
4	ICE16ME039	TRHISHUL KUMAR	P	P	P	P	P	Trishul
5	ICE17ME005	DHANUSH B R	P	P	P	A	P	DBR
6	ICE17ME006	DHANUSH M	P	P	P	P	P	Dhanush.M
7	ICE17ME008	HARSHA K	P	P	P	P	P	Harsha
8	ICE17ME011	MANOJ RS	P	A	P	P	P	Manoj.RS
9	ICE17ME012	MITHUN SHARMA N	P	P	P	P	P	Mithun
10	ICE17ME013	MD.ARAFATH	P	P	P	P	P	Arafath
11	ICE17ME015	NIRANJAN R S	P	P	P	P	P	Niranjana
12	ICE17ME017	PAVAN KUMAR A	P	P	P	P	P	Pavan
13	ICE17ME018	PAVAN T	P	P	P	P	P	Pavan.T
14	ICE17ME020	PRASHANTH S KOTAGI	P	P	P	P	P	Prashanth
15	ICE17ME022	PUNITH M	P	P	P	P	P	Punith
16	ICE17ME023	RAKESH N G	P	P	P	A	P	Rakesh
17	ICE17ME024	RAKSHITH B S	P	P	P	P	P	Rakshith
18	ICE17ME025	RANJITH BOBIN DSOUZA	P	P	P	P	P	Ranjith
19	ICE17ME028	SANDEEP S	P	P	P	P	P	Sandeep
20	ICE17ME031	SATHISH KUMAR S	P	P	P	P	P	Sathish
21	ICE17ME033	SHIVALINGAPPA S S	P	P	P	P	P	Shivalingappa
22	ICE17ME035	SRINIVASA P	P	P	P	P	P	Srinivasa
23	ICE17ME037	SURAJ B S	P	P	P	P	P	Suraj
24	ICE17ME038	SURYA SIMHA BHAT GN	P	P	P	P	P	Surya
25	ICE17ME039	SYED JABIR A	P	P	P	P	P	Syed
26	ICE17ME040	TARUN H	P	P	P	P	P	Tarun
27	ICE17ME042	VIJAYAKUMAR SWAMY	P	P	P	P	P	Vijay
28	ICE18ME400	PRADEEP	P	P	P	P	P	Pradeep
29	ICE16ME042	VIJAY KUMAR M	P	P	P	P	P	Vijay

SAC

Skandan



**Department of Mechanical Engineering**  
**Course on Energy and Environment**  
**Assessment**

1. The main global contributing factors to greenhouse-gas emissions are
  - a. **Electricity production and transportation**
  - b. Industrial processes
  - c. Agricultural processes
  - d. Agriculture and transportation
2. One of the following is the first major environmental protection act to be promulgated in India?
  - a. Environmental Act
  - b. Air act
  - c. **Water act**
  - d. none of the above
3. is a problem not associated with population growth?
  - a. Food and energy storages
  - b. Environmental pollution
  - c. Increased resource consumption
  - d. **none of the above**
4. Which of the following statements is true about global warming?
  - a. Global warming has led to large scale deforestation
  - b. **Global warming has led to a rise in the sea levels**
  - c. Global warming has led to a rapid increase in the population across several countries
  - d. Global warming has led to a huge amount of waste generation
5. Which of the following was the main purpose behind up the Central Pollution Control Board (CPCB)?
  - a. **main purpose of the Central Pollution Control Board was to regulate air pollution**
  - b. The main purpose of the Central Pollution Control Board was to regulate water pollution
  - c. The main purpose of the Central Pollution Control Board was to regulate noise pollution
  - d. The main purpose of the Central Pollution Control Board was to regulate deforestation
6. **Which of the following statements about the ozone shield is accurate?**
  - a. Ozone shield is found in the troposphere
  - b. **Ozone shield is found in the stratosphere**
  - c. Ozone shield is found in the exosphere
  - d. Ozone shield is found in the mesosphere
7. **Which of the following statements is true about the ozone layer depletion?**
  - a. Ozone layer depletion leads to the problem of skin cancer within humans
  - b. Ozone layer depletion results in a lower amount of production of phytoplankton
  - c. Ozone layer depletion hampers the growth of the terrestrial plants
  - d. **All of the above**



8. Which of the following statements is true?
- The Central Pollution Control Board has identified twenty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified thirty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified forty-five industrial categories as significantly polluting
  - The Central Pollution Control Board has identified seventeen industrial categories as significantly polluting**
9. Which of the following statements is true?
- Economic growth is the modern concept for development
  - Political growth is the modern concept for development
  - Sustainable growth is the modern concept for development**
  - Social growth is the modern concept for development
10. Which of the following statements is correct?
- The Chipko movement was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Kyoto protocol was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Appiko movement was about banning the use of chlorofluorocarbon, bromine and chlorine compounds
  - The Montreal protocol was about banning the use of chlorofluorocarbon, bromine and chlorine compounds**
11. Which of the following is true about the environment?
- The environment includes only biotic factors
  - The environment includes only abiotic factors
  - The environment includes both biotic and abiotic factors**
  - The environment includes neither biotic nor abiotic factors
12. Ozone depletion is caused due to increase in the level of
- Water vapour
  - Oxygen
  - Chlorofluorocarbon**
  - Carbon monoxide
13. Which of the following gas affects human health by reducing the blood's ability to carry oxygen to different parts of the body?
- Carbon monoxide**
  - Carbon dioxide
  - Sulphur dioxide
  - Nitrous dioxide
14. The best way to dispose plant waste is \_\_\_\_\_
- Burning
  - Composting**
  - Dumping in a hilly area
  - Incineration
15. Which of the following is not a major greenhouse gas \_\_\_\_\_?
- Carbon dioxide
  - Methane
  - Water vapour
  - Calcium carbonate**
16. Unburnt carbon particles cause \_\_\_\_\_



- a. Cardiac problem
  - b. Respiratory problems**
  - c. Throat problems
  - d. Skin infection
17. Maximum soot is released from \_\_\_\_\_
- a. Petrol vehicles
  - b. Diesel Vehicles
  - c. CNG vehicles
  - d. Thermal power plants**
18. In the metro city of Kolkata, the major cause of air pollution is \_\_\_\_\_
- a. Cement plants**
  - b. Chemical industry
  - c. Hydrocarbons
  - d. Water vapours
19. Which of the following legislations in India primarily deals with the protection and conservation of forests and wildlife?
- a. Water (Prevention and Control of Pollution) Act, 1974
  - b. Air (Prevention and Control of Pollution) Act, 1981
  - c. Environment (Protection) Act, 1986
  - d. Wildlife Protection Act, 1972**
20. Which legislation in India is primarily concerned with the prevention, control, and abatement of environmental pollution?
- a. Wildlife Protection Act, 1972
  - b. Air (Prevention and Control of Pollution) Act, 1981
  - c. Forest (Conservation) Act, 1980
  - d. Water (Prevention and Control of Pollution) Act, 1974**
21. Which law in India mandates the preparation of Environmental Impact Assessment (EIA) reports for certain projects and activities?
- a. Environment (Protection) Act, 1986**
  - b. Wildlife Protection Act, 1972
  - c. Forest (Conservation) Act, 1980
  - d. Public Liability Insurance Act, 1991
22. Which legislation in India is primarily concerned with the protection and management of forests?
- a. Wildlife Protection Act, 1972
  - b. Forest (Conservation) Act, 1980**
  - c. Air (Prevention and Control of Pollution) Act, 1981
  - d. Water (Prevention and Control of Pollution) Act, 1974
23. Which law in India is aimed at protecting and improving the quality of air and controlling air pollution?
- a. Wildlife Protection Act, 1972
  - b. Forest (Conservation) Act, 1980
  - c. Air (Prevention and Control of Pollution) Act, 1981**
  - d. Water (Prevention and Control of Pollution) Act, 1974
24. Which legislation in India is aimed at protecting and improving the quality of the environment and preventing hazards to human beings, other living creatures, plants, and property?



- a. **Environment (Protection) Act, 1986**
  - b. Wildlife Protection Act, 1972
  - c. Forest (Conservation) Act, 1980
  - d. Water (Prevention and Control of Pollution) Act, 1974
25. Which of the following pollutants is primarily targeted by the Air (Prevention and Control of Pollution) Act, 1981 in India?
- a. Noise pollution
  - b. Water pollution
  - c. Soil pollution
  - d. **Air pollution**



**CITY**  
ENGINEERING COLLEGE

**Department of Mechanical Engineering**  
**Course on Energy and Environment**  
**Assessment Marks**

Sl. No	USN	Name	Marks
1	1CE16ME013	HALLESH	21
2	1CE16ME020	LOKESH BHARANI	19
3	1CE16ME021	MANJUNATH H	18
4	1CE16ME039	TRHISHUL KUMAR	23
5	1CE17ME005	DHANUSH B R	24
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20	1CE17ME031	SATHISH KUMAR S	20
21	1CE17ME033	SHIVALINGAPPA S S	20
22	1CE17ME035	SRINIVASA P	18
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26	1CE17ME040	TARUN H	21
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28	1CE18ME400	PRADEEP	19
29	1CE16ME042	VIJAY KUMAR M	20



**Department of Mechanical Engineering**  
**Course on Energy and Environment**  
**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
HALLESH	Agree	Agree	Agree	Agree	Average
LOKESH BHARANI	Agree	Neutral	Neutral	Neutral	Good
MANJUNATH H	Agree	Agree	Agree	Agree	Good
TRHISHUL KUMAR	Agree	Agree	Agree	Neutral	Excellent
DHANUSH B R	Agree	Agree	Neutral	Agree	Average
DHANUSH M	Neutral	Neutral	Neutral	Agree	Good
HARSHA K	Agree	Agree	Neutral	Agree	Good
MANOJ RS	Neutral	Neutral	Agree	Neutral	Excellent
MITHUN SHARMA N	Agree	Neutral	Agree	Agree	Average
MD.ARAFATH	Agree	Agree	Agree	Agree	Good



The above graph indicates 47% of Excellent, 45% of Good & 8% of Average rating given by the students after completion of course.



Date:11/09/2020

To,

D.R. Kumaraswamy  
Senior Environmental Officer,  
Enviro Care Cell,  
Karnataka State Pollution Control Board,  
Bangalore

**Dear D.R. Kumaraswamy,**

**Subject: Letter of appreciation for conducting Course on Energy and Environment.**

We express our sincere gratitude for your invaluable and exemplary service rendered as a resource person for the **Course on Energy and Environment** from 7<sup>th</sup> to 11<sup>th</sup> September 2020 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 Energy and Environment

#### Course Objectives

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

1. To provide a basic level understanding of the legislative framework of environmental regulation, its implementation and adjudication
2. To enable students to identify core environmental issues and legal and institutional responses to them.
3. To introduce the basic concepts and principles of environmental law and to analyse these principles as tools of environmental protection, where the laws and policies fall short.
4. To safeguard and improve the quality of the environment by preventing, controlling, and abating pollution.

#### Course Outcomes

The students will be able to:

1. The primary learning outcome is to sensitize the students towards human activities that adversely affect the environment and the need for regulation of such activities.
2. Students will develop a thorough understanding of practice and procedure followed by various environmental law enforcing agencies/bodies.
3. Students will be able to pursue environmental litigation before the National Green Tribunal and assist the Tribunal as a researcher or in any other capacity.
4. Students will be able to assist industries and projects in obtaining environmental clearance and compliances with other environmental laws.

**Course Coordinator**

Mr. Sampath HP  
Assistant Professor

Department of Mechanical Engineering

**HOD**

Dr.S.Karunakara  
HOD

Department of Mechanical Engineering

## DEPARTMENT OF MECHANICAL ENGINEERING

### REPORT OF COURSE ON ENERGY AND ENVIRONMENT

The Department of Mechanical Engineering, City Engineering College organized the course on “**Energy and Environment**” by Sri D.R. Kumaraswamy, Senior Environmental Officer, Enviro Care Cell, Karnataka State Pollution Control Board, Bangalore from 7<sup>th</sup> to 11<sup>th</sup> September 2020 in Seminar Hall, Department of Mechanical Engineering. Mr. Sampath HP, Asst. Prof., Department of Mechanical Engineering welcomed the speaker and audience. Dr. S.Karunakara., Prof. and Head, welcomed the speaker by presenting the medicinal plant to the speaker. Mr.Veeresh Naik, Asst. Prof., Department of Mechanical Engineering introduced the speaker. Sri D.R. Kumaraswamy explained the remedial measurements in controlling the pollution. He also emphasized the following points:

- How to maintain our surrounding by cleaning as a citizen of India.
- How environmental laws are implemented.
- How to creating the awareness among public by educated people to maintain safe environment. The faculty members and students of our department were present.

Dr.S.Karunakara., Prof and Head gave vote of thanks.



**Fig:1 Speaker addressing Students**

**Course Coordinator**

Mr. Sampath HP  
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**

**HALLESH**

**1CE16ME013**

**In Recognition of his/her valuable participation in the Five days' Course on  
Energy and Environment From 07th to 11th September 2020.**

*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**

**HARSHA K**

**1CE17ME008**

**In Recognition of his/her valuable participation in the Five days' Course on  
Energy and Environment From 07th to 11th September 2020.**

*S Karunakar*

**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**

**LOKESH BHARANI**

**1CE16ME020**

**In Recognition of his/her valuable participation in the Five days' Course on  
Energy and Environment From 07th to 11th September 2020.**

*S Karunakara*

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

*Ramamurthy*

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