

KLE Tech - VIKAS

Value Added Training Courses

2021-22

Course I: VATHR001

Course II: VATHR002

Course III: VATHR003

Resource Partner

Innovations Unlimited Training Services, Bangalore

Human Resource Development Cell

AT KLE's Tech value added courses are designed to prepare the students for placements. The course ensures the overall developments of the student's personality.

These courses focus on:

- Enhancing the employability of the students and prepare them for the corporate world
- Developing the professional skills
- Inducing the analytical and mathematical abilities and language comprehension

All the three courses are spread over 3 years starting from II year. In all 94 hours of training is designed on various topics indicates below:

VAT Course I (VATHR001)		VAT course II (VATHR002)	
Module/semester	II year	Module/semester	III year
Communicate With confidence	04	Pen power	04
The Winning Presenter	04	Spoken English	02
Spoken English	04	Mathematical Thinking	06
Mathematical Thinking	04	Analytical Thinking	04
Analytical Thinking	04	Written English	06
Written English	08	Interview handling Skills	04
Discussions & Debates	04	Lateral & Creative Thinking	04
Total	32	The leader and the Team player	02
		Total	32

VAT Course III (VATHR003)	
Module/semester	IV year
Lateral & Creative thinking	04
The leader and the team player	02
Resume Building	02
Mock Interviews	04
Communicative Ability Assessment	02
Company specific training	16
Total	30

The detailed content of the courses

Communicate with Confidence	4 Hours
<p>Utility: Improves the communicative ability of the trainee. At least 25% of the points awarded to a candidate in a group discussion or HR interview are for communication skills. A better communicator is preferred at every stage in the industry and hence will develop and grow faster</p>	
<p>Topics:</p> <ul style="list-style-type: none"> • Silent tools of communication – Listening and BodyLanguage • ListeningActively <ul style="list-style-type: none"> ○ Manage mind and body to payattention ○ ControllingDistraction ○ Showing respect whilelistening ○ Keeping mind free ofbarriers • Improving your bodylanguage <ul style="list-style-type: none"> ○ Establishing direct eye and facial contact withspeaker ○ Postures andgestures ○ Open and closed body language • The vocal tool of communication <ul style="list-style-type: none"> ○ Verbal tool –words ○ Paraphrase the speaker’smessage ○ Choice of words to respondempathetically ○ Using InternationalPhrases ○ Basicconversations 	
Pen Power	4 Hours
<p>Utility: Helps the trainees understand written communication and its importance. Right from the covering letter of a resume written communication plays an important role in the trainee’s career in the industry.</p>	
<p>Topics:</p> <ul style="list-style-type: none"> • Successful Job Applications <ul style="list-style-type: none"> ○ What do employers want? ○ What do you want from an employer? ○ Choosing a job ○ Covering Letter ○ Résumé writing • Writing Skills <ul style="list-style-type: none"> ○ Essays ○ Letters and Emails 	

The Winning Presenter	4 Hours
<ul style="list-style-type: none"> • Grooming • Managing Anxiety • Visual and Vocal Presentations • Communicating informally • Speaking persuasively • Giving and receiving feedback – PNPTechnique 	

Spoken English	4 Hours
Utility: Improves the English diction of the trainee, helping him/her to perform better in group discussions and interviews	
Topics: <ul style="list-style-type: none"> • Phonetic and non-phonetic languages • Introduction to IPA • Accurate pronunciation of vowels, consonants • Word Stress • Pausing and Stress in Sentences • Rhythm • Intonation and reduced pronunciation through the use of models 	

Mathematical Thinking	10 Hours
Utility: Prepares trainees for arithmetical reasoning section of aptitude test. Getting through the aptitude test of a company's selection process doubles and sometimes triples a trainee's chance of eventually getting the job. A study has shown that successful people are very good with basic Mathematical calculations.	
Topics: <ul style="list-style-type: none"> • Shortcuts and Strategyon <ul style="list-style-type: none"> ○ Number System, Linear Equations ○ HCF and LCM, Ratios &Proportions ○ Percentage, Profit & Loss + PnC ○ Averages and Mixtures ○ Time and Distance ○ Permutations and combinations • Questions from recent recruitment tests 	

Analytical Thinking	8 Hours
<p>Utility: Prepares trainees for analytical & logical reasoning sections of aptitude test. Getting through the aptitude test of a company's selection process doubles and sometimes triples a trainee's chance of eventually getting the job. Companies test students on Logic to measure their</p>	
<p>Topics:</p> <ul style="list-style-type: none"> • Analytical Puzzles • Classification Puzzles • Mathematical Puzzles • Human Relations • Directional tests • Coding and decoding • Series completion – Verbal and Non-verbal 	

Written English	14 Hours
<p>Utility: Prepares trainees for Communicative English section of aptitude test. Getting through the aptitude test of a company's selection process doubles and sometimes triples a trainee's chance of eventually getting the job. Good language structure and great vocabulary help everywhere.</p>	
<p>Topics:</p> <ul style="list-style-type: none"> • Vocabulary is Fun! • Formatting and feeding correct structures Synonyms and Antonyms • Analogies • Sentence Completion • Error Detection and Correction • Faster reading of Passages • Questions from the Industry 	

Discussions and Debates	4 hours
<p>Utility: Prepares trainees for Group Discussions.</p>	
<p>Topics:</p> <ul style="list-style-type: none"> • Understanding Discussions • Parameters measured in GDs • Video Analysis of GDs • Knowledge base and Ideas • Taking the initiative • Introduction and Conclusion 	

Interview Handling Skills	4 hours
Utility: Prepares trainees for HR and Management Skills Interviews.	
Topics: <ul style="list-style-type: none"> • Most common personal interview questions • What companies expect • Showing Commitment and Learning Ability • Handling difficult questions • Understanding interviewer psychology • Situation Reaction and Presence of Mind • Dressing right • Interview etiquette 	

Enhance Your Creativity	4 Hours
Utility: Helps trainees think laterally and come up with out of the box solutions. Creative People are highly productive	
Topics: <ul style="list-style-type: none"> • Use of LateralThinking <ul style="list-style-type: none"> ○ Thinking out of thebox ○ The generation ofalternatives • ChallengingAssumptions • Innovation and SuspendedJudgment • Design,Fractionation • Brainstorming • Activities to prove everyone can becreative 	

The Leader and theTeam-player	2 Hours
Utility: A prospective employee of a company needs the ability to work in a team. Being a leader will help the candidate grow in the industry. These skills are also judged during a Group Discussion.	
Topics: <ul style="list-style-type: none"> • Working inTeams • Self evaluation - How good are your people skillsnow? • Delegation oftasks 	

Faculty Profile:

Ms. Dipti Dihingia

Qualification: M A (Mass Communication and Journalism)

Industry Experience:

- Worked as Research Lead with Unisys
- Worked as a process trainer with Convergys

Training Experience:

- Trained and evaluated many students and professionals

Forte:

- Business Communication
 - Soft skills
 - Creativity
-

Mr. Dinesh Gosai

Qualification: M. B.

A. Industry

Experience:

- Over 15 years of varied Industry experience
- Close to five years of recruitment experience
- Worked with companies like Ranbaxy Ltd, Benchmark Management Services

Training Experience:

- Mentored Senior and Mid-Level Management Representatives from the industry
- Works as a consultant for ISBM

Forte:

- Team Building
 - HR Skills
 - Interview Etiquette
 - Communication
-

Ms. Ankita Bhatia

Qualification: B.A.

Total Experience: 11 years

Industry Experience:

- Works with IBM, Bangalore
- Worked with Aditya Birla, Microland

Training Experience:

- Trained several engineers, doctors, managers
- Trained at several colleges

Forte:

- Business Communication
- Soft skills
- Voice and Accent
- Written English

Mr. Selva Kumar

Qualification: M.B.A.

(Finance) **Industry**

Experience:

- Over 10 years of experience in accounting, HR and Training

Training Experience:

- Trained a large number of corporates in ENVI, IBM
- Trained a large number of students and new hires

Forte:

- Team Building
 - HR Skills
 - Interview Etiquette
 - Communication
-

Mr. Jayanth N

Qualification:

B.E.

Total Experience: 5 years

Training Experience:

- Trained many students on Mathematical Ability
- Has helped students get through tough Aptitude tests, SSB, CAT, Bank PO etc.

Forte:

- Quantitative Aptitude
 - Logical Reasoning
-

Mr. Manjesh S P

Qualification: Diploma in Automobile Engineering

Industry Experience:

- Worked with Infosys, IBM, Aviva Life Insurance
- Has founded a company that deals with electronic components

Training Experience:

- Trained at Aviva Global, Infosys

Forte:

- Spoken English
- Written English
- Presentation Skills
- Critical Reasoning

Mr. Jaideep Komali

Qualification: B. E.

Training Experience:

- Trained over 3000 students on Mathematical Ability
- Has helped students get through tough Aptitude tests

Forte:

- Quantitative Aptitude
 - Logical Reasoning
-

Ms. Brunda Nagaraj Qualification: MA in Psychology

Total Experience: 11 years

Industry Experience:

- Worked as a Lead Recruiter with Mindtree
- Worked with Cresspoint, ACS, OneIndia News

Training Experience:

- Trained several IT and Media professionals
- Trained many students

Forte:

- Business Communication
 - Soft skills
 - Basic Language Enhancement
 - Creativity
 - HR
-

Ms. Jeevitha Raju

Qualification: MBA

Total Experience: 5 years

Industry Experience:

- Worked with Narayana Group

Training Experience:

- Trained over 1000 students

Forte:

- Business Communication
- Soft skills

Ms. Ujwala Makkenna

Qualification: B.E. (Bio-medical Engineering)

Total Experience: 4 years

Industry Experience:

- Works for an Education chain for children

Training Experience:

- Trained over 3000 students

Forte:

- Quantitative Aptitude
 - Verbal and Non-verbal reasoning
 - Data Analysis
-

Mr. Pratyus Pratye

Qualification: B.Tech

Total Experience: 6 years

Industry Experience:

- Working with an Inter Tutorial Company

Training Experience:

- Trained students for CAT, GRE, GMAT etc

Forte:

- Quantitative Aptitude
 - Logical Reasoning
 - Vedic Maths
-

Mr. Vineet Mann

Qualification: B. Sc. (Mathematics)

Industry Experience:

- Worked with Pizza Hut and as an administrator
- Ex- state level Athlete

Training Experience:

- Trained over 10000 students on Mathematical Ability
- Has helped students get through tough Aptitude tests, GRE, CAT
- Lead Aptitude Trainer at I U Training Services

Forte:

- Quantitative Aptitude
 - Logical Puzzles
-

Mr. Amit Singh

Qualification: B. E. **Industry**

Experience:

- Worked with IT Industry

Training Experience:

- Trained many students on Mathematical Ability
- Has helped students get through tough Aptitude tests, SSB, CAT, Bank PO etc.

Forte:

- Quantitative Aptitude
 - Data Analysis
-

Mr. Saravanan Sarathy

Qualification: M.B.A (HR)

Industry Experience:

- Over 11 years of experience in HR and Training with companies such as Aviva, IBM
- Presently working with IBM

Forte:

- HR Skills
 - Interview Etiquette
 - Communication
 - Voice and Accent
 - Written and Spoken English
-

Mr. Sanil Rao

Qualification: MBA in Finance

Industry Experience:

- Worked with Axis Securities as regional training manager
- Conducted induction programs for new joiners in various organisations

Training Experience:

- Trained professionals on interpersonal and HR skills

Forte:

- Business Communication
 - Soft skills
 - HR
 - Finance
 - Creativity
-

Ms. Neena Nair

Qualification: MBA in Marketing & International Business

Industry Experience:

- Worked with Bajaj Allianz, ICICI Bank

Training Experience:

- Trained and evaluated many students and professionals

Forte:

- Business Communication
- Soft skills
- Basic Language Enhancement
- Creativity

Batch Details

III Semester B.E.	
A1	Automation and Robotics
A2	Biotechnology
A3	Civil (A)
A4	Civil (B)
A5	Computer Science (A)
A6	Computer Science (B)
A7	Computer Science (C)
A8	Computer Science (D)
A9	Computer Science (E)
A10	Electronics and Communication (A)
A11	Electronics and Communication (B)
A12	Electronics and Communication (C)
A13	Electronics and Communication (D)
A14	Electronics and Communication (E)
A15	Electronics and Communication (Industry Integrated)
A16	Electrical and Electronics (A)
A17	Electrical and Electronics (B)
A18	Mechanical (A)
A19	Mechanical (B)
A20	Mechanical (C)

Batch Details

IV Semester B.E.	
B1	Automation and Robotics
B2	Biotechnology
B3	Civil (A)
B4	Civil (B)
B5	Computer Science (A)
B6	Computer Science (B)
B7	Computer Science (C)
B8	Computer Science (D)
B9	Computer Science (E)
B10	Electronics and Communication (A)
B11	Electronics and Communication (B)
B12	Electronics and Communication (C)
B13	Electronics and Communication (D)
B14	Electronics and Communication (E)
B15	Electronics and Communication (A) (Industry Integrated)
B16	Electrical and Electronics (A)
B17	Electrical and Electronics (B)
B18	Mechanical (A)
B19	Mechanical (B)
B20	Mechanical (C)
B21	Mechanical (D)

Vikas Time-Table

S.No	Day	Date of training	Timings	Class Room	
				LHC 206	LHC 207
1	Monday	25/10/2021	8.00 am to 12.10 pm	A1-AT	A2-CS
			1.45 pm to 5.55 pm	A3-AT	A4-CS
2	Tuesday	26/10/2021	8.00 am to 12.10 pm	A5-AT	A6-CS
			1.45 pm to 5.55 pm	A7-AT	A8-CS
3	Wednesday	27/10/2021	8.00 am to 12.10 pm	A9-AT	A10-CS
			1.45 pm to 5.55 pm	A11-AT	A12-CS
4	Thursday	28/10/2021	8.00 am to 12.10 pm	A13-AT	A14-CS
			1.45 pm to 5.55 pm	A15-AT	A16-CS
5	Friday	29/10/2021	8.00 am to 12.10 pm	A17-AT	A18-CS
			1.45 pm to 5.55 pm	A19-AT	A20-CS
6	Monday	29/11/2021	8.00 am to 12.10 pm	A7-CS	A8-WE
			1.45 pm to 5.55 pm	A5-CS	A6-WE
7	Tuesday	30/11/2021	8.00 am to 12.10 pm	A11-CS	A12-WE
			1.45 pm to 5.55 pm	A9-CS	A10-WE
8	Wednesday	01/12/2021	8.00 am to 12.10 pm	A15-CS	A16-WE
			1.45 pm to 5.55 pm	A13-CS	A14-WE
9	Thursday	02/12/2021	8.00 am to 12.10 pm	A19-CS	A20-WE
			1.45 pm to 5.55 pm	A17-CS	A18-WE
10	Friday	03/12/2021	8.00 am to 12.10 pm	A3-CS	A4-WE
			1.45 pm to 5.55 pm	A1-CS	A2-WE
11	Monday	06/12/2021	8.00 am to 12.10 pm	A9-WE	A10-PS
			1.45 pm to 5.55 pm	A11-WE	A12-PS
12	Tuesday	07/12/2021	8.00 am to 12.10 pm	A13-WE	A14-PS
			1.45 pm to 5.55 pm	A15-WE	A16-PS
13	Wednesday	08/12/2021	8.00 am to 12.10 pm	A17-WE	A18-PS
			1.45 pm to 5.55 pm	A19-WE	A20-PS
14	Thursday	09/12/2021	8.00 am to 12.10 pm	A1-WE	A2-PS
			1.45 pm to 5.55 pm	A3-WE	A4-PS
15	Friday	10/12/2021	8.00 am to 12.10 pm	A5-WE	A6-PS
			1.45 pm to 5.55 pm	A7-WE	A8-PS
16	Monday	13/12/2021	8.00 am to 12.10 pm	A15-PS	A16-AT
			1.45 pm to 5.55 pm	A13-PS	A14-AT
17	Tuesday	14/12/2021	8.00 am to 12.10 pm	A19-PS	A20-AT
			1.45 pm to 5.55 pm	A17-PS	A18-AT

S.No	Day	Date of training	Timings	Class Room			
				LHC 206		LHC 207	
18	Wednesday	15/12/2021	8.00 am to 12.10 pm	A3-PS		A4-AT	
			1.45 pm to 5.55 pm	A1-PS		A2-AT	
19	Thursday	16/12/2021	8.00 am to 12.10 pm	A7-PS		A8-AT	
			1.45 pm to 5.55 pm	A5-PS		A6-AT	
20	Friday	17/12/2021	8.00 am to 12.10 pm	A11-PS		A12-AT	
			1.45 pm to 5.55 pm	A9-PS		A10-AT	
No.	Day	Date of training	Timings	Class Room / Module			
				CAD Lab		Mechanical Seminar Hall	
1	18/04/2022	Monday	8.00 am to 12.10 pm	B1	MT	B2	WE
			1.45 pm to 5.55 pm	B3	MT	B4	WE
3	20/04/2022	Wednesday	8.00 am to 12.10 pm	B9	MT	B10	WE
			1.45 pm to 5.55 pm	B11	MT	B12	WE
No.	Day	Date of training	Timings	Class Room / Module			
				LHC 206		LHC 207	
2	19/04/2022	Tuesday	8.00 am to 12.10 pm	B5	MT	B6	WE
			1.45 pm to 5.55 pm	B7	MT	B8	WE
4	21/04/2022	Thursday	8.00 am to 12.10 pm	B13	MT	B14	WE
			1.45 pm to 5.55 pm	B15	MT	B20	WE
5	22/04/2022	Friday	8.00 am to 12.10 pm	B17	MT	B18	WE
			1.45 pm to 5.55 pm	B19	MT	B16	WE
6	23/04/2022	Saturday	8.00 am to 12.10 pm	B21	WE	B8	GD
			1.45 pm to 5.55 pm	B9	WE	B10	GD
7	25/04/2022	Monday	8.00 am to 12.10 pm	B3	SE	B4	MT
			1.45 pm to 5.55 pm	B5	SE	B6	MT
8	26/04/2022	Tuesday	8.00 am to 12.10 pm	B7	SE	B8	MT
			1.45 pm to 5.55 pm	B9	SE	B10	MT
9	27/04/2022	Wednesday	8.00 am to 12.10 pm	B11	SE	B12	MT
			1.45 pm to 5.55 pm	B13	SE	B14	MT
10	28/04/2022	Thursday	8.00 am to 12.10 pm	B15	SE	B16	MT
			1.45 pm to 5.55 pm	B17	SE	B18	MT
11	29/04/2022	Friday	8.00 am to 12.10 pm	B19	SE	B20	MT
			1.45 pm to 5.55 pm	B1	SE	B2	MT
12	30/04/2022	Saturday	8.00 am to 12.10 pm	B11	WE	B21	MT
			1.45 pm to 5.55 pm	B13	WE	B14	GD
13	04/05/2022	Wednesday	8.00 am to 12.10 pm	B15	WE	B12	GD

No.	Day	Date of training	Timings	Class Room / Module			
				CAD Lab		Mechanical Seminar Hall	
14	16/05/2022	Monday	1.45 pm to 5.55 pm	B7	WE	B21	GD
			8.00 am to 12.10 pm	B5	GD	B6	SE
			1.45 pm to 5.55 pm	B7	GD	B8	SE
15	17/05/2022	Tuesday	8.00 am to 12.10 pm	B9	GD	B10	SE
			1.45 pm to 5.55 pm	B11	GD	B12	SE
16	18/05/2022	Wednesday	8.00 am to 12.10 pm	B13	GD	B14	SE
			1.45 pm to 5.55 pm	B15	GD	B16	SE
17	19/05/2022	Thursday	8.00 am to 12.10 pm	B17	GD	B18	SE
			1.45 pm to 5.55 pm	B19	GD	B20	SE
18	20/05/2022	Friday	8.00 am to 12.10 pm	B1	GD	B2	SE
			1.45 pm to 5.55 pm	B3	GD	B4	SE
19	21/05/2022	Saturday	8.00 am to 12.10 pm	B21	SE	B16	GD
			1.45 pm to 5.55 pm	B17	WE	B18	GD
20	23/05/2022	Monday	8.00 am to 12.10 pm	B19	WE	B20	GD
			1.45 pm to 5.55 pm	B1	WE	B2	GD
21	24/05/2022	Tuesday	8.00 am to 12.10 pm	B3	WE	B4	GD
			1.45 pm to 5.55 pm	B5	WE	B6	GD

Value Added Training

**Course: Object Oriented Programming
with Python
(2021-22)**

Value Added Course on

Object Oriented Programming with Python

Course Outcomes

- 1 Explain object oriented programming concepts
2. Apply encapsulation, inheritance and polymorphism concepts to solve a given problem.
3. Identify and manage runtime errors using exception handling mechanism of python.
4. Design a user interface for a given application.
5. Write an event driven program to implement a business rule of an application.

Resource Person: Prof. K.M.M Rajashekaraih

Program Duration – Sept 2021 to Dec 2021

Coordinator – Dr. Narayan D. G.

narayan_dg@kletech.ac.in

+91 9448635627

Biodata Of Resource person



K M M Rajashekharaiyah is Associate Professor at School of Computer Science and Engineering of KLE Technological University. He is passionate to teach object oriented programming courses for undergraduate students of computer science. He was also involved as member of teaching team for the popular Infosys campus connect foundation courses at various institutions. He is playing an active role in designing object oriented theory and lab courses of computer science department.

He is also a resource person to teach object oriented programming using python as part of “Machine Learning Workshop” conducted at KLE Technological University. He designed and delivered an object oriented programming course for Mechanical engineering undergraduate students of KLE Technological university.



Time Table for the Value Added Course

Course	Name of the Faculty	Venue
Object Oriented Programming with Python	Prof. K.M.M Rajashekaraih	LAB 6

DAY/TIME	11.00 to 1.00 pm	4.45 to 5.45 pm
Thursday		Object Oriented Programming with Python
Friday		Object Oriented Programming with Python
Saturday	Object Oriented Programming with Python	

Coordinator Signature

Head,
SoCSE

Value Added Training

**Course: Computer Networks
(2021-22)**

School Of Computer Science & Engineering

Value Added Course on Computer Networks

Course Outcomes

1. Explain object oriented programming concepts
2. Apply encapsulation, inheritance and polymorphism concepts to solve a given problem.
3. Identify and manage runtime errors using exception handling mechanism of python.
4. Design a user interface for a given application.
5. Write an event driven program to implement a business rule of an application.

Resource Person: Prof. Vijeth Kotagi

Program Duration – Feb 2022 to April 2022

Coordinator – Dr. Narayan D. G.

narayan_dg@kletech.ac.in

+91 9448635627

Biodata Of Resource person



Vijeth J Kotagi is Assistant Professor at School of Computer Science and Engineering of KLE Technological University. He is passionate to teach Computer Networks and Wireless Communication Networks for undergraduate students of computer science.

His research interests include wireless communication networks such as 4G and 5G, Internet of Things (IoT) networks, and LTE in unlicensed spectrum (LTE-U). His research revolves around improving the energy efficiency in 4G and 5G networks, and utilization of reinforcement learning to enhance the performance of existing communication networks, thereby making them self-organizing networks. He is also working on the application of game theory for the harmonious coexistence of LTE and WiFi technologies in the unlicensed spectrum.



Time Table for the Value Added Course

Course	Name of the Faculty	Venue
Computer Networks	Prof. Vijeth Kotagi	LAB 6

DAY/TIME	11.00 to 1.00 pm	4.45 to 5.45 pm
Thursday		Computer Networks
Friday		Computer Networks
Saturday	Computer Networks	

Coordinator Signature

Head,
SoCSE

Value Added Training

**Course: Cloud Computing
(2021-22)**

School Of Computer Science & Engineering

Value Added Course on Cloud Computing

Course Outcomes

1.

Resource Person: Prof. Narayan D G

Program Duration – Feb 2022 to April 2022

Coordinator – Dr. Narayan D. G.

narayan_dg@kletech.ac.in

+91 9448635627

Bio data Of Resource person



Dr. Narayan D.G. is Professor at School of Computer Science and Engineering of KLE Technological University. He is passionate to teach Computer Networks and Wireless Communication Networks for undergraduate students of computer science.

His research interests include wireless communication networks such as 4G and 5G, Internet of Things (IoT) networks, and LTE in unlicensed spectrum (LTE-U). His research revolves around improving the energy efficiency in 4G and 5G networks, and utilization of reinforcement learning to enhance the performance of existing communication networks, thereby making them self-organizing networks. He is also working on the application of game theory for the harmonious coexistence of LTE and WiFi technologies in the unlicensed spectrum.



Time Table for the Value Added Course

Course	Name of the Faculty	Venue
Cloud Computing	Prof. Narayan D G	LAB 6

DAY/TIME	11.00 to 1.00 pm	4.45 to 5.45 pm
Thursday		Cloud Computing
Friday		Cloud Computing
Saturday	Cloud Computing	

Coordinator Signature

Head,

SoCSE

Value Added Training

**Course: Database Management System
(2021-22)**

BATCH:2020-24

School Of Computer Science & Engineering

Value Added Course on

Database Management System

Course Outcomes

1. Apply fundamental concepts of database systems to analyze, design and normalize the Database.
2. Formulate relational algebra and SQL queries to manage the data.
3. Apply concepts of transaction processing and security techniques for multi-user access of database systems.
4. Describe other popular database systems like NoSQL and columnar database.
5. Design and implement a database application for a real-world problem.

Resource Person: Prof. K.M.M Rajashekaraih

Program Duration – April 2022 to July 2022

Coordinator – Dr. Narayan D. G.

narayan_dg@kletech.ac.in

+91 9448635627

Biodata Of Resource person



K M M Rajashekharaiyah is Associate Professor at School of Computer Science and Engineering of KLE Technological University. He is passionate to teach object oriented programming courses for undergraduate students of computer science. He was also involved as member of teaching team for the popular Infosys campus connect foundation courses at various institutions. He is playing an active role in designing object oriented theory and lab courses of computer science department.

He is also a resource person to teach object oriented programming using python as part of “Machine Learning Workshop” conducted at KLE Technological University. He designed and delivered an object oriented programming course for Mechanical engineering undergraduate students of KLE Technological university.



Time Table for the Value Added Course

Course	Name of the Faculty	Venue
Database Management System	Prof. K.M.M Rajashekaraih	LAB 5

DAY/TIME	11.00 to 1.00 pm	4.45 to 5.45 pm
Thursday		Database Management System
Friday		Database Management System
Saturday	Database Management System	

Coordinator Signature

Head,

SoCSE

Value Added Training

**Course: Juniper Networks
(2021-22)**

JNCIA Certification Overview

Workshop aims to learn the fundamental concepts of networking, master all JNCIA concepts, administer a network running Juniper devices, and troubleshoot a Juniper devices network.

JNCIA-Junos course will add value to your knowledge and will improve your confidence to pass the exam.

Training content

Part 1	Hrs
Junos operating system fundamentals: Introduction to Junos OS, Traffic processing, Overview of Junos Device	4 hours
User interface options: Junos CLI, Operational mode, Configuration mode	4 hours
Initial Configuration: Factory-Default configuration, Initial Configuration, Interface Configuration	4 hours
Secondary Configuration: Authorization Overview, Deny and Allow Overrides, System Logging, Interpreting Message Codes, Monitoring NTP, Automated Configuration Backup, SNMP Operation, Monitoring SNMP Operation	4 Hours
Operational Monitoring and Maintenance: Monitoring Tools, Monitoring System Operation, Monitoring the Chassis, Gathering Extensive Interface Information, Monitoring Traffic, Network Utilities, Determining the Junos OS Release, Unified ISSU, Password Recovery.	4 Hours
Part 2	
Routing Fundamentals: Routing Components, Routing Information Sources, Forwarding Table, Multiple Routing Tables, Preferred Routing Information Sources, Viewing the Route Table, Dynamic Routing, Case Study: Objective and Topology, Case Study: Configuring OSPF	4 Hours
Routing Policy: An Overview of Routing Policy, Default Routing Policies, Route Filters, Defining Routing Policy, Applying Routing Policy, Case Study: Objective and Topology, Case Study: Applying the Policy	4 Hours
Firewall Filters: Building Blocks of Firewall Filters, Common Match Criteria, Common Actions, Defining a Firewall Filter, Filtering Traffic on Interfaces.	4 Hours

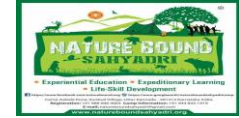
Bio data Of Resource person



Dr. Narayan D.G. is Professor at School of Computer Science and Engineering of KLE Technological University. He is passionate to teach Computer Networks and Wireless Communication Networks for undergraduate students of computer science.

His research interests include wireless communication networks such as 4G and 5G, Internet of Things (IoT) networks, and LTE in unlicensed spectrum (LTE-U). His research revolves around improving the energy efficiency in 4G and 5G networks, and utilization of reinforcement learning to enhance the performance of existing communication networks, thereby making them self-organizing networks. He is also working on the application of game theory for the harmonious coexistence of LTE and WiFi technologies in the unlicensed spectrum.

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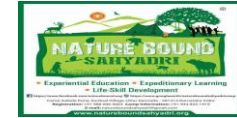
Circular

It is hereby informed to the students that a Outbound Training Program is going to be conducted in association with Nature Bound, Sahyadri Organization at Sunksal Village, Uttar Kannada. The students of 4th Semester are hereby informed to make the best use of the training program and active participation.

The objectives of the outbound training program are

- 1) To enhance communication and leadership skills
- 2) To help learners to resolve intra-group conflicts
- 3) To develop bonding and networking abilities with peers

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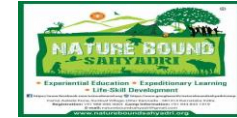
About the Resource Person

Mr. P G Konnur, Chief Executive - Camp Operations, Nature Bound Sahyadri, was the resource person for the training program. He has more than 17 years of experience in the banking industry as a financial risk consultant. He has extensive experience in corporate training and life skills training. He has trained more than 1000 students and executives.

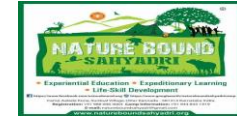
Report of the Event

A three-day outbound experiential training workshop was held at Nature Bound Sahyadri, an experiential learning camp located in the pristine natural habitat of the Sahyadri Mountain Ranges of Karnataka. The first leg of the training was organized for 4th Semester students. The theme of the training was "What NXT" which was intended to help students to understand the corporate expectations. A total of 43 students underwent the training. Activities were specifically created as a component of the course to measure students' behavioral modification and personal effectiveness.

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Outbound Training Program



MBA- Semester- IV

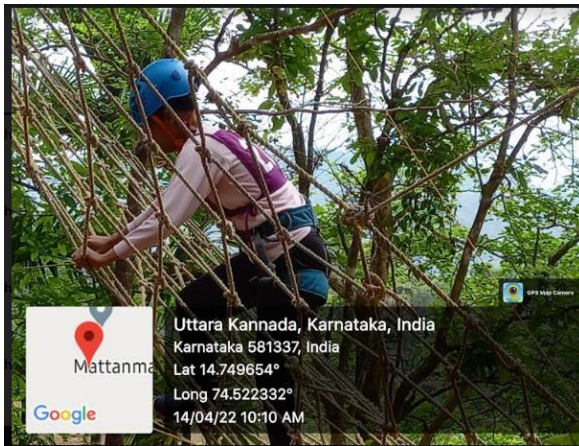
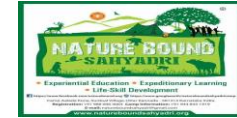
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3	USHA VENKATESH	01FM20VBA003	[Signature]
4	ANIT DESAI	01FM20VBA004	[Signature]
5	SIDDARTH P M	01FM20VBA005	[Signature]
6	K RAGHAVENDRA R	01FM20VBA006	[Signature]
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8	KIRANAKUMAR S	01FVGD0MBA008	[Signature]
9	APRITHA S M	01FVGD0MBA009	[Signature]
10	HARSHA NRIEG	01FVGD0MBA012	[Signature]
11	AKSHARYA G	01FVGD0MBA014	[Signature]
12	AZHISHEK D POTDAR	01FVGD0MBA015	[Signature]
13	TARDE EN SOLIDASAR	01FVGD0MBA017	[Signature]
14	GOURABH M	01FVGD0MBA018	[Signature]
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16	ROHINI AMVEDKAR	01FM20VBA021	[Signature]
17	AMIT BRIJWASI	01FM20VBA023	[Signature]
18	PODILA GADISAM	01FM20VBA024	[Signature]
19	VAANI C	01FM20VBA025	[Signature]
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21	AISHWARYA S P	01FM20VBA027	[Signature]
22	Raghuvver A	01FVGD0MBA030	[Signature]

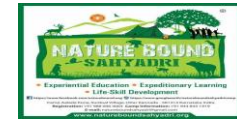
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28	SANTHOSH K	01FM20VBA035	[Signature]
27	T S ASHWINI	01FM20VBA038	[Signature]
28	E R RAMPRASAD	01FVGD0MBA039	[Signature]
29	PRATEEK P	01FVGD0MBA041	[Signature]
30	BALASHEEB PATEL	01FVGD0MBA043	[Signature]
31	SANNIDHI S K	01FM20VBA044	[Signature]
32	SPOORTHII	01FM20VBA045	[Signature]
33	KUMBARARAVAN H	01FVGD0MBA046	[Signature]
34	RASHMI J	01FVGD0MBA047	[Signature]
35	NEETHA KESHAVI	01FVGD0MBA049	[Signature]
36	PRAGATI DELAWADI	01FVGD0MBA050	[Signature]
37	ERAVU M T	01FVGD0MBA051	[Signature]
38	BAKTI BIRADAR	01FVGD0MBA053	[Signature]
39	B N MANOJ	01FVGD0MBA055	[Signature]
40	SANDESH SHIRUR	01FM20VBA054	[Signature]
41	SALJAN N	01FVGD0MBA055	[Signature]
42	MREEDULA M	01FVGD0MBA056	[Signature]
43	CHAITALI GADE	01FVGD0MBA059	[Signature]

[Signature]
Coordinator

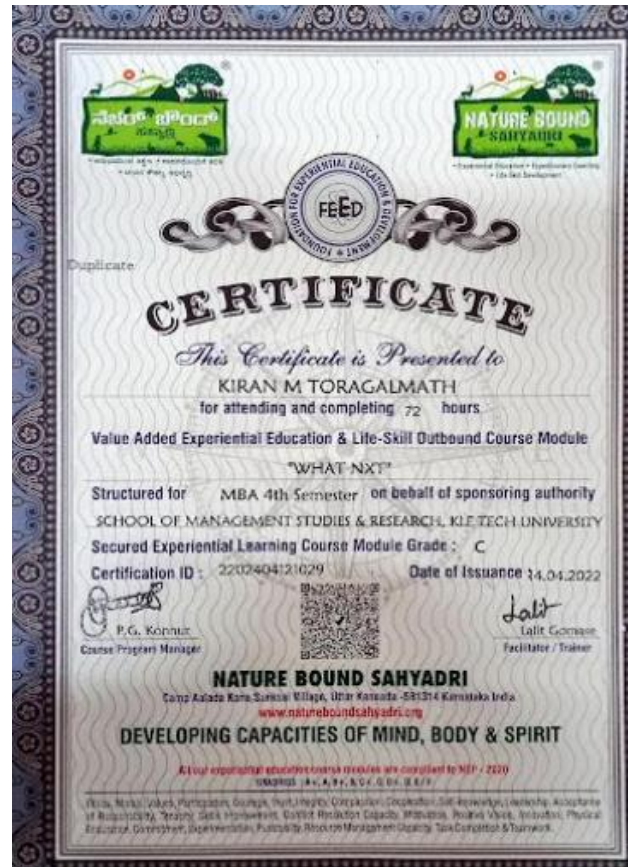
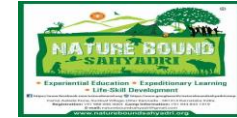
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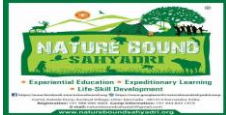
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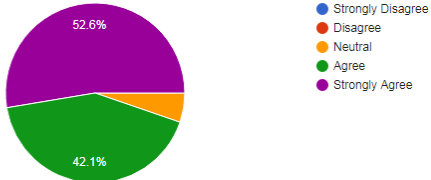
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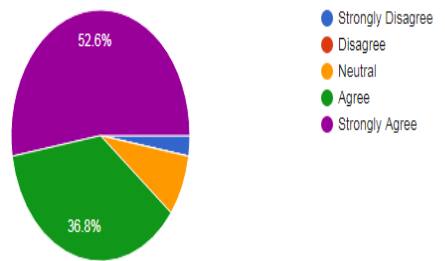
Questions Responses **38** Settings
38 responses

Summary Question

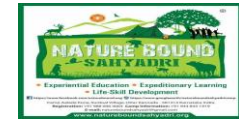
1. The outbound training program was well planned.
38 responses



2. The outbound training program was well organized
38 responses

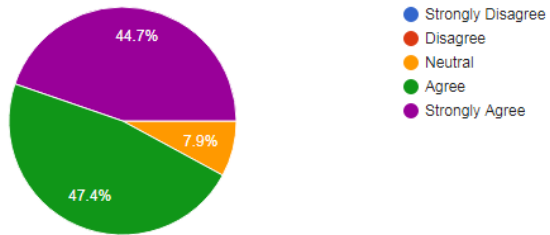


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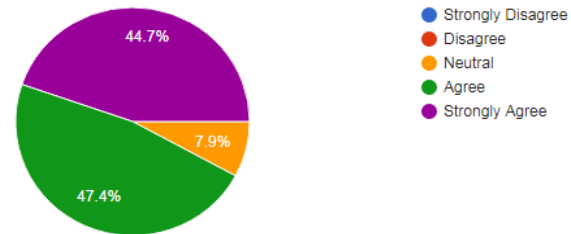
3. The outbound training program increased my interpersonal skills and competencies.

38 responses



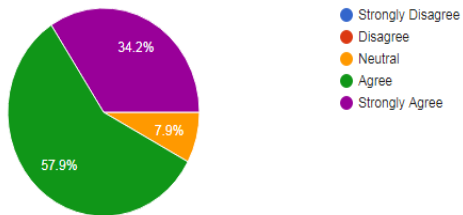
4. Participation and interaction were encouraged.

38 responses



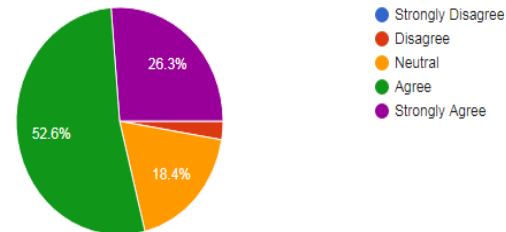
5. The topics covered during the training program were relevant to me

38 responses

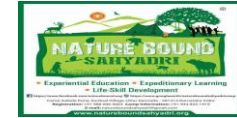


6. The content was organized and easy to follow

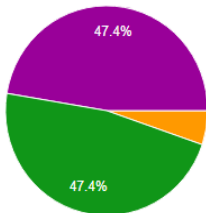
38 responses



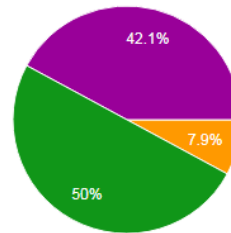
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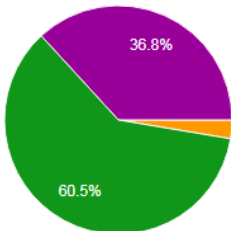
7. The training experience will be useful in my work
38 responses



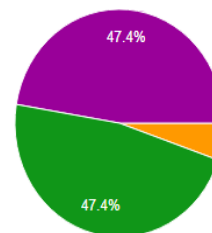
8. The trainer was knowledgeable about the training topics
38 responses



9. The training objectives were met
38 responses



10. I would recommend this training program to others
38 responses



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Circular

04-02-2022

It is hereby informed to the MBA students that a training program on theme “Take Charge- You Owe Yourself” is being conducted from 08-02-2022 to 28-02-2022 for the students to explore and understand their abilities as leaders. The first year MBA students are informed to register for the same in the office before 06-02-2022.

About the Resource Person

Mr Jagdish Bapat is an alumnus of TISS (Tata Institute of Social Sciences, Mumbai) and for the past 36 years, he has been in the corporate world and has handled various levels of responsibilities across HR, Learning & Development. Till recently, He was an HR with Aditya Birla Group. He has taught in various Management Institutes of repute like TISS, Symbiosis, Sri Balaji Society, Pune and several Engineering colleges across India in the past few decades. He has conducted over 600 days of Training workshops across India in various organizations and has conducted training programs in countries like USA, Ireland, Sri Lanka, South Korea, Thailand and Malaysia. He has helped conceptualize, build and run Mid-Day Meal kitchens which have till date catered to 40 crore children. These kitchens serve over 2,00,000 children hot mid-day meals for the past 15 plus years. He is a good speaker on public forums and has given hundreds of training sessions and lectures in various schools, colleges, Corporate and social circles for several years. He has been instrumental in building and running NGO's and also worked as Head of People Function with Azim Premji Foundation, which works passionately in the arena of primary education.

Event Coordinator

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School of Management Studies & Research

**YOU- Take Charge
You Owe Yourself**

08-02-22 to 28-02-2022

Venue: Seminar Hall

Resource Person:
Mr. Jagdish Bapat

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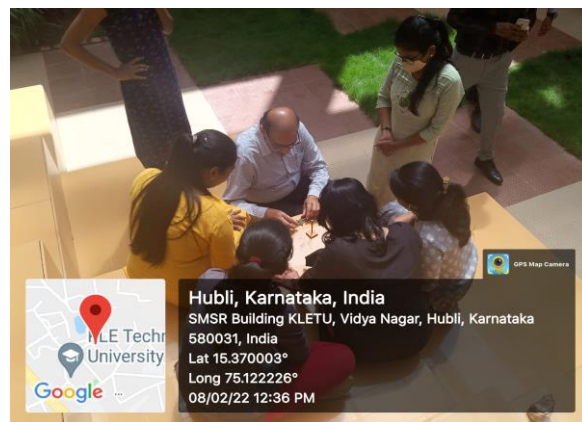
The objectives of the outbound training program are

- 1) Impart the latest insights and perspectives on the role of leadership in corporate world.
- 2) To help learners realize their potential and take ownership for their career
- 3) To develop critical thinking skills among learners.

Report of the Event

A one-day training program based on the theme, ‘YOU- Take Charge, You Owe Yourself’ was organized by School of Management Studies & Research was organized for 1st year MBA students. The program emphasized various leadership competencies and how individuals can nurture them. The program also highlighted the corporate expectations from management and business leaders. The program incorporated experiential learning activities which was highly engaging and immersive. A total of 56 students participated in the program.

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 Y.O.U- Take Charge- You Owe Yourself

MBA- Semester- I

Date: 08-02-2022

S.no	Name	USN	Signature
1	NAYANA V	01FM21MBA001	Nayana
2	CHAITRA T TAKALI	01FM21MBA002	Chaitra
3	LAXMI H PATIL	01FM21MBA003	LHP
4	SHASHIKANT S NAIK	01FM21MBA004	Shanku
5	PREETI B KURLI	01FM21MBA005	Preeti
6	SANJANA MANJARI K	01FM21MBA006	S Manjari
7	AJAY ASHOK NAIK	01FM21MBA007	Ajay
8	SUGUNA SHIRLEY BILLA	01FM21MBA008	Suguna
9	ARAVIND BILLU RAJAPUT	01FM21MBA009	Aravind
10	PUNEETH RAVINDRA PAWAR	01FM21MBA010	Puneeth
11	RAMESH KHOT	01FM21MBA011	Ramesh
12	MAHIMA NAGAPATI SHASTRI	01FM21MBA012	Mahima
13	DARSHAN B MUTAGI	01FM21MBA013	Darshan
14	RAKSHITHA A	01FM21MBA014	Rakshitha
15	GUVVALA JHANSIRANI	01FM21MBA015	Jhansi
16	BHAVANA SATISH HEGDE	01FM21MBA016	Bhavna
17	SMITHA SADALAGI	01FM21MBA017	Smitha
18	SANTOSH KULKARNI	01FM21MBA018	Santosh
19	SRUSHTI SUDESH BAGADI	01FM21MBA019	Srushti
20	ABHISHEK	01FM21MBA020	Abhishek
21	KIRANKUMAR BATTUR	01FM21MBA021	K. Battur
22	CHANDRUGOUDA B H	01FM21MBA022	Chandru
23	OMKAR NAGESH PUNAGE	01FM21MBA023	Omkar
24	PRASANNAVENKATESHA	01FM21MBA024	P. Venkatesha
25	KOMAL N AMBIGER	01FM21MBA025	Komal
26	VAISHIKA UMESH PATIL	01FM21MBA026	Vaishika
27	AKSHAY C DESHPANDE	01FM21MBA027	Akshay
28	DEEPA ASHOK KHOT	01FM21MBA028	Deepa
29	GIDDALURU AJAY	01FM21MBA029	Ajay

S.no	Name	USN	Signature
30	VIJAYALAKSHMI	01FM21MBA030	Vijayalaxmi
31	PREETI R	01FM21MBA031	Preeti
32	MADHU G	01FM21MBA032	AB
33	SOUMYA R H	01FM21MBA033	Soumya
34	SAYED MURTUZA Q	01FM21MBA034	Sayed
35	NOOTANA M	01FM21MBA035	Nootana
36	VISHAKHA K	01FM21MBA036	Vishakha
37	MOHANADASA B	01FM21MBA037	M.Dasa
38	TEJAL VIVEK NAYAK	01FM21MBA038	Tejal
39	REKHA URF RADHA	01FM21MBA039	Rekha
40	VIBHA R BHAT	01FM21MBA040	Vibha
41	TEJASHWINI H	01FM21MBA041	Tejashwini
42	ANANTH KULKARNI	01FM21MBA042	Ananth
43	SWATI K	01FM21MBA043	Swati
44	SINDHU GANAPATI B	01FM21MBA044	Sindhu
45	KSHAMA M TADAS	01FM21MBA045	P.Tadas
46	HARSHA L	01FM21MBA046	Harsha
47	ROHAN D	01FM21MBA047	Rohan
48	SUJAY I	01FM21MBA048	Sujay
49	AKSHAY H	01FM21MBA049	Akshay
50	SHUBHOD HERWADE	01FM21MBA050	Shubhod
51	MIRUTHUNJAYA B H	01FM21MBA051	Miruthun
52	RACHANA AGADI	01FM21MBA052	Rachana
53	PRATEEK S p	01FM21MBA053	Prateek
54	MAHANTESH C H	01FM21MBA054	M.Hotesa
55	VISHALA R G	01FM21MBA055	Vishala
56	SAHANA R	01FM21MBA056	Sahana
57	GANESH METI	01FM21MBA057	Ganesh
58	AVANTIKA A H	01FM21MBA058	Avantika
59	ASHWINI YALAVAGI	01FM21MBA059	Ashwini
60	NIRMALA MADNUR	01FM21MBA060	Nirmala

Coordinator

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School of Management Studies & Research**



KLE Technological University
School of Management Studies & Research
CERTIFICATE OF PARTICIPATION

This certificate is presented to

SHASHIKANT NAIK

For participating in the YOU- Take Charge-- You Owe Yourself
Feb 8, 2022.

Jagdis Bapat
Director



KLE Technological University
School of Management Studies & Research
CERTIFICATE OF PARTICIPATION

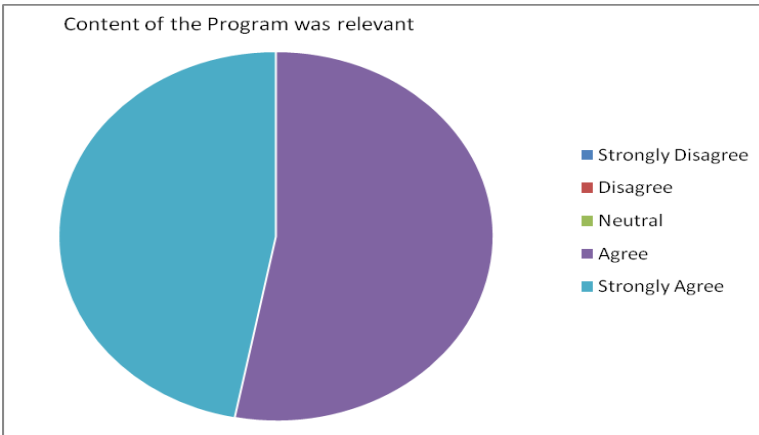
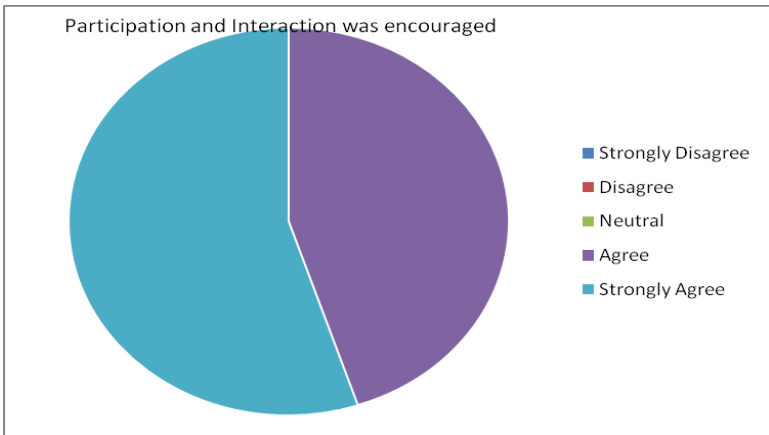
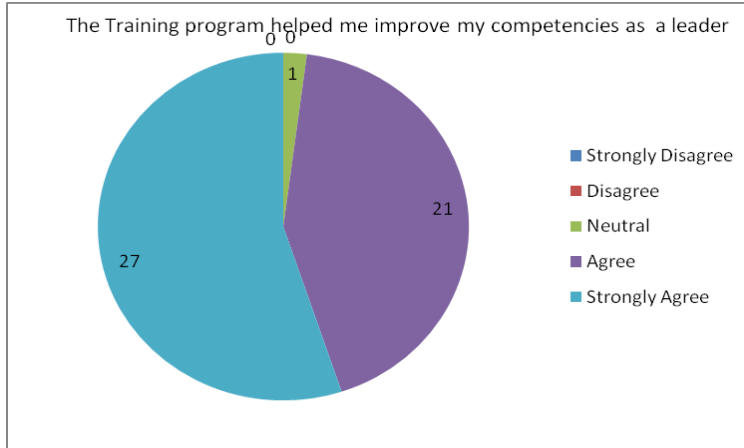
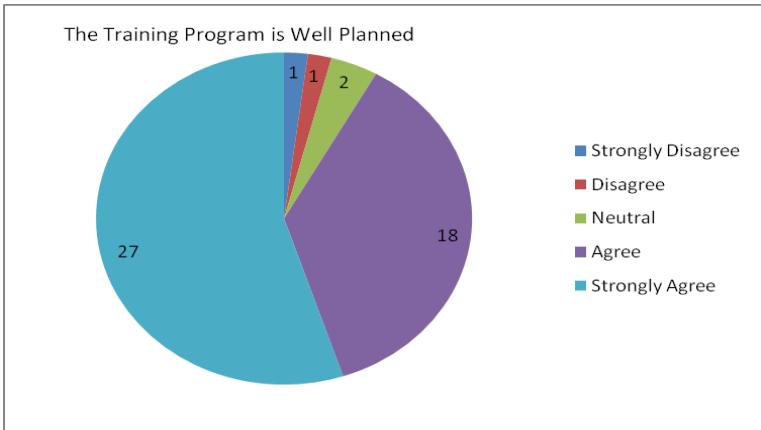
This certificate is presented to

AVANTIKA H

For participating in the YOU- Take Charge-- You Owe Yourself
Feb 8, 2022.

Jagdis Bapat
Director

**KLE Society's
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School of Management Studies & Research**



Event Coordinator



Report on

Four Days Workshop on

Fermentation Technology

Students: VI SEM (Batch 2019-23)

No. of students participated: 51

Date: 09/04/2022, 10/04/2022 to 13/04/2022.

Resource Person: Sharanappa Achappa

Fermenter Used: 5lt Scigenics Fermenter and 50lt Pilot-Scale fermenter.



Department of Biotechnology

Content Table

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03	List of Activities	07
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Department of Biotechnology

Objectives of Workshop

Biotechnology Department conducted 4 days workshop on Fermentation & Bioprocess Technology for VI SEM students from 10/04/2022 to 13/04/2022.

The objective of this workshop is to give

1. Hands-on-training on fermentation process like operation, calibration and troubleshooting.
2. Insights of standard operating procedure (SOP).
3. Overview of design of fermenter with respect to construction and working of fermenter.
4. Introduction to Scale-up process.



Department of Biotechnology

Workshop Schedule

The detail schedule of the workshop as follows

Pre-Workshop Modules	
Batch 1: Monday:07/03/2022 - Time:1.30pm to 4.30pm Batch 2: Tuesday:08/03/2022 - Time:8.00am to 11.00am Batch 3: Thursday:03/03/2022 – Time:8.00am to 11.00am Batch 4: Friday:04/03/2022 - Time:1.30pm to 4.30pm Module: Basic of fermentation Different parts of fermenter Fermenter design consideration Individual students will be given to assembly of different parts of fermenter and set it for fermentation process.	
Batch 1: Monday:14/03/2022 - Time:1.30pm to 4.30pm Batch 2: Tuesday:15/03/2022 - Time:8.00am to 11.00am Batch 3: Thursday:16/03/2022 – Time:8.00am to 11.00am Batch 4: Friday:18/03/2022 - Time:1.30pm to 4.30pm Module: BiSEP Lab: 50lt Pilot Scale Fermenter. Different parts of fermenter, Fermenter design consideration, Arrangement of pipe lines and operation of control panel and setting up the fermentation process by using control panel.	
Day 1 10/04/2022	
Time: 9.00AM to 1.00PM (All Batches) 1. Preparation of fermentation flask. 2. Sterilization. 3. Inoculation in to inoculation flask.	
Day 2 11/04/2022	
Time: 9.00AM to 10.00AM (B1 Batch) Time: 10.00AM to 11.00AM (B2 Batch) Time: 11.00AM to 12.00PM (B3 Batch) Time: 12.00PM to 1.00PM (B4 Batch) Students will learn and have Hands on experience on the following: 1. Aseptic methods of operations. 2. SOP of fermenter 3. Calibration of sensors Operation of fermenter	Time: 8.00AM to 6.00PM (All Batches) Following activities students should perform, 1. All batch students should inoculate in to fermentation flask and should collect samples for every 3 hrs of incubation starting from 8am to 6pm. 2. Samples should be used for estimation of Biomass, substrate, and product concentration.



Department of Biotechnology

Lunch Break 1.00PM to 2.00PM	
Time: 2.00AM to 3.00PM (B1 Batch) Time: 3.00PM to 4.00PM (B2 Batch) Time: 4.00PM to 5.00PM (B3 Batch) Time: 5.00PM to 6.00PM (B4 Batch) Individually students will undergo hands on experience on the following procedures, Inoculation, Sampling, Aeration, Foam control & SOP	
Day 3 12/04/2022	
Time: 9.00AM to 10.00AM (B1 Batch) Time: 10.00AM to 11.00AM (B2 Batch) Time: 11.30AM to 12.30PM (B3 Batch) Time: 12.30PM to 1.30PM (B4 Batch) Media Preparation Sterilization procedure Inoculum Preparation	Time: 8.00AM to 6.00PM (All Batches) Following activities students should perform, 1. Collect samples for every 3 hrs of incubation starting from 8am to 6pm. 2. Samples should be used for estimation of Biomass, substrate, and product concentration.
Lunch Break 1.30PM to 2.30PM	
Time: 5.00PM to 6.00PM (All Batches) Inoculation in to 5lt fermenter	Time: 2.30PM to 3.30PM (All Batches)-In class room Understanding of 1. Cell death kinetics 2. Dell factor calculation 3. Batch sterilization process 4. Inoculation of fermenter
Day 4 13/04/2022	
Time: 8.00AM to 6.00PM (All Batches) Following activities students should perform, 1. Collect samples for every 3 hrs of incubation starting from 8am to 6pm. 2. Samples should be used for estimation of Biomass, substrate, and product concentration.	
Time: 9.00AM to 11.00AM	
For all batches in Class room Application of statistical methods in Bioprocess Engineering, Correlation & Regression, T-Test, ANOVA, Turkey test Regulatory guidelines SOP & Documentation	
Time: 11.00AM to 1.30PM	
Batch1 and 3 1. KLa estimation	



Department of Biotechnology

2. Power requirement calculation
3. Mixing time and Sampling procedures
Lunch Break 1.30PM to 2.30PM
Time: 3.00PM to 6.00PM
Batch2 and 4
1. KLa estimation
2. Power requirement calculation
3. Mixing time and Sampling procedures



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List of Activities

Following are the list of activities students should perform during the workshop,

Sr.No	Date	Time	Activity	Requirement (Each batch)
01	09/04/2022 Saturday	10.30 to 6.00pm	<ol style="list-style-type: none">1. Media preparation for inoculum flask (250ml, 50ml media, 1 flask).2. Media preparation for fermentation flask (250ml, 120ml media, 2 flask, each flask will have 2 different concentration glucose).3. Media preparation for Solid State Fermentation (250ml flask, 20gm solid media, 1 flask).4. Above flask should be sterilize.	<ol style="list-style-type: none">1. 250ml conical flask – 05.2. Centrifuge tubes – 15no.3. Test tubes: 25 no.4. Test tube rack – 2no.5. Micropipette – 2 No.6. Micropipette tips – 1 box.
02	10/04/2022 Sunday	10.00 to 12.00pm	Transfer of loop full of culture from slant to inoculum flask and kept it for 24hrs of incubation	
03	11/04/2022 Monday To 13/04/2022 Wednesday	8.00am to 6.00pm	<ol style="list-style-type: none">1. Inoculation in to the fermentation flask2. 48hrs of incubation at room temperature on shaker 120rpm.3. Sample collection (5ml), centrifugation and analysis for Biomass, substrate and product (protein) concentration for every 3hrs starting from 8.00am to 6.00pm for 3 days.	



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Note:

1. As per the discussion during BPE lab, each batch should subculture the desired organism and keep it ready for fermentation.
2. Following are the list of organism selected for different batches

Batch No.	Minor project group	Microorganism	Product
B1	G2	<i>Enterobacter sp</i>	Lipase
B2	G7	<i>Bacillus sp</i>	Protease
B3	G10	<i>Bacillus sp</i>	Pectinase
B4	G12	<i>Streptomyces sp</i>	Amylase

3. For SSF, students should get the solid media (by product of agricultural or industry) before Saturday ie 9/04/2022.
4. Sample collected should be analyzed on the same day.
5. All students should be present during the workshop from 8.00am to 6.00pm.

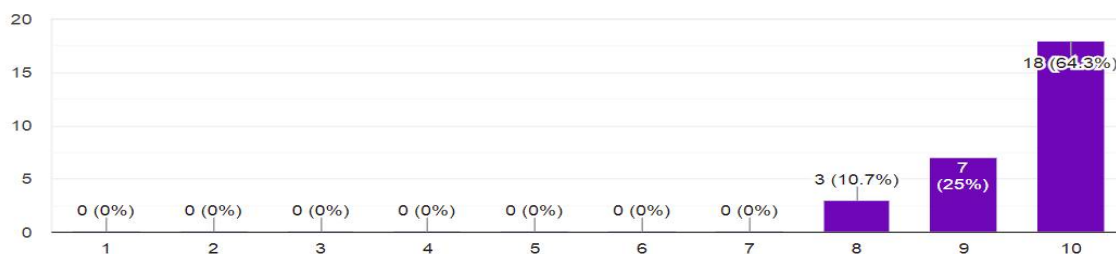


Feedback from Students:

1. Concepts covered during the workshop

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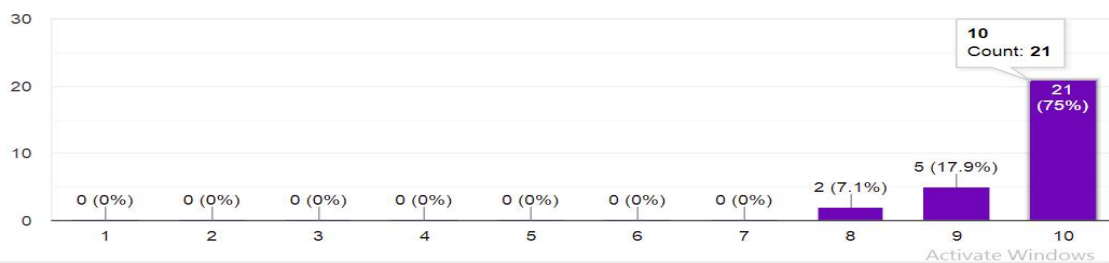
28 responses



2. Learning experience from the Fermentation workshop

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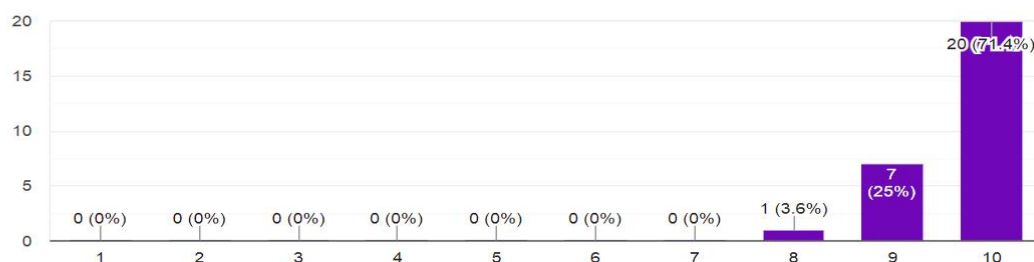
28 responses



3. Relevance of the concepts learn from industry usage perspective of Fermenter

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28 responses



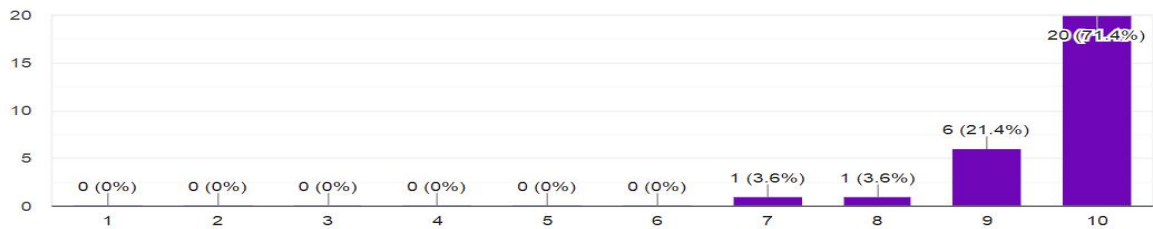


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4. Explanation/demonstration/methodology practiced during workshop like SOP, operating of pilot and lab scale fermenter, understanding design aspects, etc

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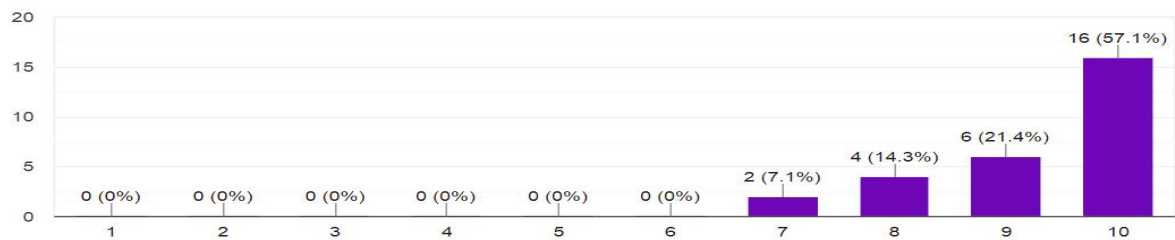
28 responses



5. Hands on experience on fermentation from workshop in usage of fermenter

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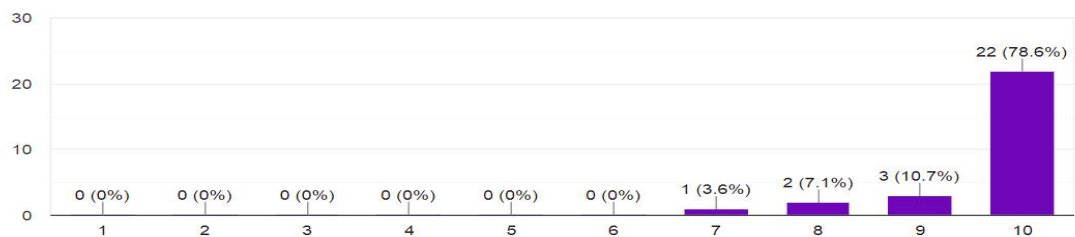
28 responses



6. Understanding of SOP of fermenters

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28 responses



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7. Comments regarding operating procedure of lab scale fermenter

24 responses

Everything fine

Operating procedure is pretty simple once we understand every part of the fermenter.

All basic operating fundamentals and operations was covered. The workshop was very useful and informative.

Good experience, learnt many skills during workshop activities

It was good

Well discussed

It was a very good experience. And a hands on experience of how to handle and operate Fermenter

Learnt the basics and etiquettes of a lab researcher n how the fermentation works

Learned operating of lab scale fermenter

Activat

8. Comments regarding operating procedure of pilot scale fermenter

25 responses

Operated fermenter in a systematic manner and was interesting

Fermenter is in good condition and slightly complex to operate but still we can operate it

It is very helpful for learning

Everything fine

We have to relate the operating conditions with lab scale Fermenter to make it simple because pilot scale is more of automated, and we can also provide all the required conditions here.

Pilot scale fermenter basics and all regarding operations and calculations was clearly taught.

Sufficient information on operating the pilot scale fermenter

Nice

Activat



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9. Any comments/suggestion for improvement

28 responses

Good

Good experience

This workshop was very helpful to learn about fermentation.

Nothing as such... Would like to have more workshops if possible.

Workshop days should be extended

No comments

No improvement all is perfect..

It is very hectic schedule because time is short

No much of improvements required, it'll be great if they continue the same.

Schedule should be properly followed

Activate

10. Comments on course instructor (Sharanappa A.) in giving the over all experience on fermentation process.

24 responses

Sir patiently cleared our doubts and explained the concepts. The workshop was organized well

Every minute thing was been tried to explain and made to understanding regarding fermentation, kinetics and other SOPs and Operations.

Instructions was given clearly, instructor was too good and explained every step in a understandable manner.

Very nice and polite person
Explained everything very neatly
Given hands on experience for all
All SOP's were followed neatly and hands on experience was given

Good

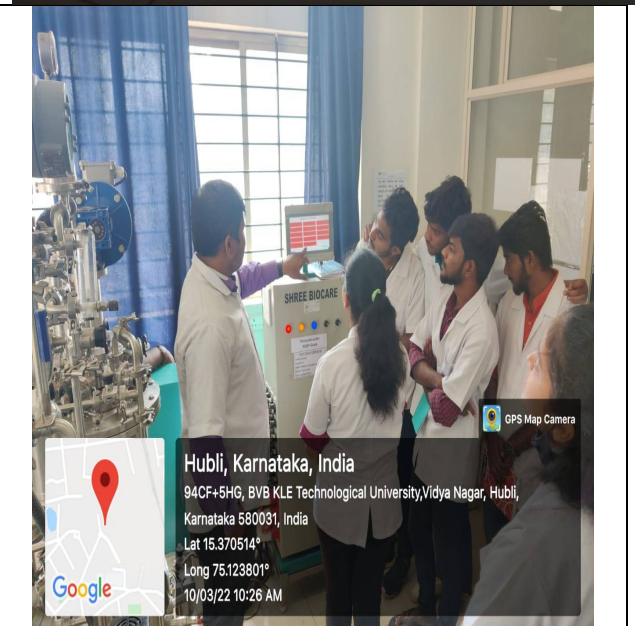
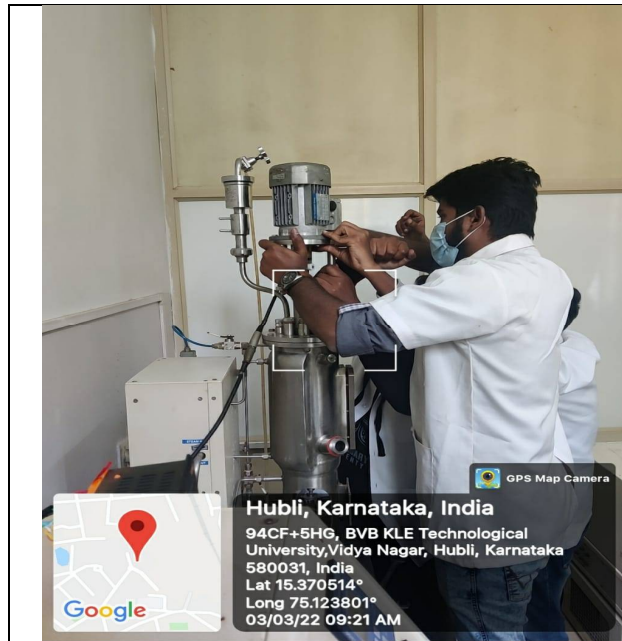
It was a good session

He conducted the workshop very patiently and made sure everyone understood the basics clearly. He also



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Photo Gallery



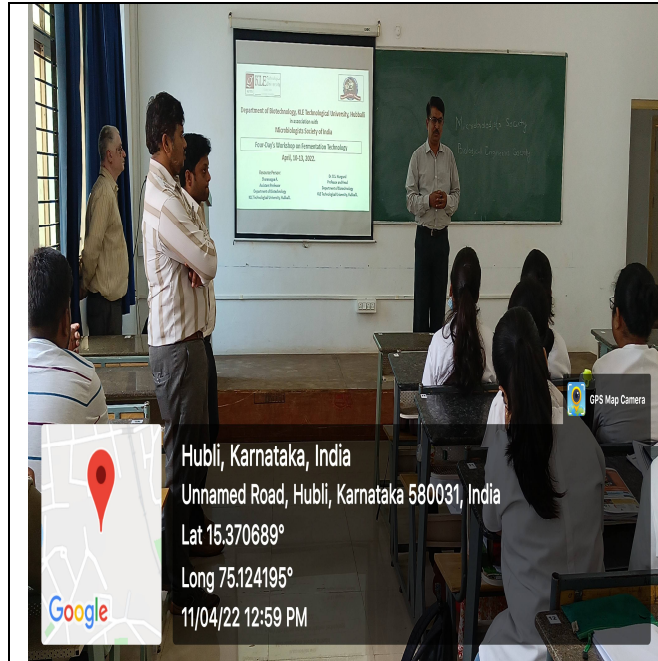


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Four days' Workshop: Fermentation Technology (certificate list)

Date: 9-4-2022 to 13-4-2022

Roll.No	Name	USN
1	MAHANTESH RITTI	01FE18BBT023
2	PRERANA GMOTAGI	01FE18BBT047
3	VINOD H	01FE19BBT001
4	PREETHI GONAL	01FE19BBT002
5	VAISHNAVI G SHETTI	01FE19BBT003
6	SRIHARI U	01FE19BBT004
7	SADASHIV R HIREMATH	01FE19BBT005
8	HARSH N KOLVEKAR	01FE19BBT006
9	JAY MALPANI	01FE19BBT007
10	SUSHMITA V GOUDAR	01FE19BBT008
11	VAISHNAVI SINDAGIMATH	01FE19BBT009
12	BHAGYA TURAKANI	01FE19BBT010
13	YUGANDHARA ADAKE	01FE19BBT011
14	SRAJANA	01FE19BBT012
15	MANJUNATHGOUDA PATIL	01FE19BBT013
16	SONIYA D KALLUR	01FE19BBT014
17	SNEHA SHET	01FE19BBT015
18	VAISHNAVI G HULMANI	01FE19BBT016
19	SHREYA G KULKARNI	01FE19BBT018
20	GOURI HALLAD	01FE19BBT019
21	ANUSHA S ANGADI	01FE19BBT020
22	TAKSHIKA MAHALAXMIKAR	01FE19BBT022
23	NAVEEN C MALIGER	01FE19BBT023
24	KOUNINEKASHIFA HARIHAR	01FE19BBT024
25	ANCHAL JAIN	01FE19BBT026
26	CLAVITA ARODRIGUES	01FE19BBT027
27	SHUSHMITA KHAVATKOPP	01FE19BBT028
28	GULAME KARADAGI	01FE19BBT029
29	RAHUL S AIHOLE	01FE19BBT030
30	DINESH K A	01FE19BBT031
31	SAMIKSHA MANJUNATH	01FE19BBT032
32	NISHA NAVADA	01FE19BBT034
33	NIDANAAZ H JAKATI	01FE19BBT035
34	SHREYA NAYAK	01FE19BBT036
35	KHOT AARYA JAYENDRA	01FE19BBT037
36	PRANITA ULLAGADDIMATH	01FE19BBT038
37	DEEPAK SUNKANAVAR	01FE19BBT039
38	SNEHA S HIREMATH	01FE19BBT040
39	POOJA WAGHMODE	01FE19BBT041
40	BIKASHITA MONDAL	01FE19BBT042
41	SHIVANI C ARADHYAMATH	01FE19BBT043
42	VARSHINI A SHETTY	01FE19BBT044
43	VAISHNAVI R KAVI	01FE19BBT045
44	SUMAN R ANTAL	01FE19BBT047
45	SHREEDHAR DESAI	01FE19BBT048
46	NEHA P BOCHAGERI	01FE19BBT049
47	NIKITA PRAKASH T M	01FE19BBT050
48	ANKITA SOLAGI	01FE19BBT051
49	SHIVANI S ANGADI	01FE19BBT052
50	SHREYA KATWE	01FE19BBT053
51	VIJETA D SINGH	01FE19BBT054

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of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

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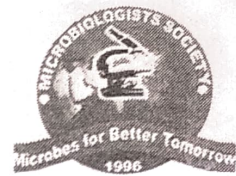
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This is to certify that Clavita Anton Rodrigues
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Shushmita Khavatkepp
of Department of Biotechnology has
participated in the hands-on training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A
Resource Person
Dept. of Biotechnology
KLE University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Gulame Mustafa N Karadagi
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Khot Aarya Jayendra
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Rahul S Aihole
of Department of Biotechnology. has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hingund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Dinush K A
of Department of Biotechnology
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Dept. of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology,
KLE Technological University, Hubballi

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This is to certify that Samiksha Manjunath
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.

Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Nisha Navada
of Department of Biotechnology. has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Nidanaay. Jakati
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Resource Person
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KLE Technological University, Hubballi

Dr. B. S. Hungund
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This is to certify that Shriya Nayak
Department of Biotechnology
participated in the hands-on Training on Fermenter conducted by NeoBT Association, Department of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Charanappa A
Responsible Person
Asst. Prof. Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hingund
Head, Department of Biotechnology
KLE Technological University, Hubballi

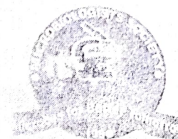
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This is to certify that Pranita Ullagaddimath
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

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KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Deepak Sunkannavar
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A

Resource Person

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KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
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9-13 April, 2022.

This is to certify that Sneha S. Hiremath
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.

Resource Person

Asst. Professor, Dept. of Biotechnology

KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Pooja Klaghmode
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.

Resource Person

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Dr. B. S. Hungund

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Hubballi, Karnataka
781133



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Hands-on Training on Fermenter

9-13 April, 2022.

This is to certify that Bikashita Mondal
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by Neeraj Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India

Sharanappa A
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Dr. B. S. Hungund

Head, Department of Biotechnology,
KLE Technological University, Hubballi.

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This is to certify that Shivani C. Aradhyamath
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Dr. S. S. Srinivas A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Varshini. A. Shetty
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Vaishnavi . R. Kavi
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
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This is to certify that Suman . R . Antal
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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KLE Technological University, Hubballi

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This is to certify that Shreedhar Desai
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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9-13 April, 2022

This certificate is awarded to Neha P. Borhagen of Department of Biotechnology who has participated in the Hands-on Training on Fermenter conducted by NeeBT Association, Department of Biotechnology, KLE Technological University, Hubballi and Microbiology Society of India.

Sharanappa A
Resource Person

Asst. Professor, Dept. of Biotechnology,
KLE Technological University, Hubballi

Dr B S Hongund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Nikita Prakash T.M.
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Ankita Solagi
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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Hands-on Training on Fermentation

9-13 April, 2022.

This is to certify that Shivani S. Angadi
of Department of Biotechnology
participated in the Hands-on Training on Fermentation conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society, Hubballi.

Sharanappa A

Resource Person

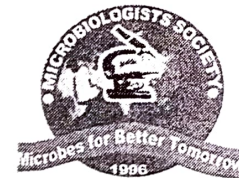
Asst. Professor Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Nungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Shreya Katwe
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Shreya Kature
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Vijeta D Singh
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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Event Report of Hands-on Training on Mammalian Cell Culture Techniques

February, 7-9, 2022



Department of Biotechnology



Hands-on Training on Mammalian Cell Culture Techniques

Resource Persons

Dr. Vishwas Kaveeshwar. Ph. D. Post Doc. (Germany) Assistant Professor,
Central Research Lab. Dept. of Biochemistry
SDMCMSH- Dharwad. Shri Dharmasthala Manjunatheshwara University, Dharwad.



Gururaj Tennalli. Assistant Professor, Department of Biotechnology,
KLE Technological University, Hubballi.

Date & Time: February 7-9, 2022. 9.30 a.m. to 5.30 p.m.

Dr. S.V. Desai
Faculty Co-ordinator

Dr. B.S. Hungund
Professor & Head
Department of Biotechnology,
KLE Technological University, Hubballi



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B. V. B. College of Engineering & Technology

Department of Biotechnology

To:

The Principal,

SDM College of Medical Sciences and Health,

SDM University, Dharwad.

Dear Sir,

Subject: Request for visit of Dr. Vishwas Kaveeshwar, Central Research Laboratory to our Department.

We are establishing a cell culture facility in our Biotechnology department to facilitate training of the students and academic research. In this regard we request the service of Dr. Vishwas Kaveeshwar of Central Research Laboratory to visit our department and give inputs regarding the setting-up of the facility. This would help us in establishing the facility in a more effective way.

Thank you.

Yours sincerely

(Dr. B.S. Hungund)
HEAD

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UNIVERSITY, HUBBALLI

Hubballi

23-03-2021

Brief bio of resource persons
Hands-on Training on Mammalian Cell Culture Techniques

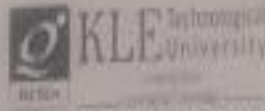


Dr. Vishwas Kaveeshwar has completed M.Sc. in Medical Biochemistry at Kasturba Medical College, Mangalore. He did his Ph.D. from University of Bonn, Germany and presently is working as Assistant Professor in Central Research Laboratory, Department of Biochemistry, SDM Medical University, Dharwad. He has several research publications in reputed journals. He is engaged in active research and academic activities.



2. Gururaj Tennalli has completed M.Sc. in Biotechnology from Karnatak University, Dharwad. He has qualified UGC-CSIR-NET-JRF. Presently he is pursuing his Ph.D. in Department of Biotechnology, KLE Technological University. He is actively engaged in research and teaching for undergraduate students of Biotechnology engineering.

Schedule of Activities



DEPARTMENT OF BIOTECHNOLOGY

THREE DAYS HANDS-ON WORKSHOP ON MAMMALIAN CELL CULTURE

Schedule and Activities details

Day	Theory Session (10.00 AM – 11.30 AM)	Laboratory activities (2.00 PM – 5.00 PM)
Day 01 (07 th Feb 2022)	<ul style="list-style-type: none"> • Introduction to mammalian cell culture • Cell culture laboratory • Aseptic practices and procedures of cell culture lab • Cell culture Environment and Media • Cell culture media preparation and sterilization 	<ul style="list-style-type: none"> • Demonstration of SOP and GLPs cell culture laboratory • Demonstration of Aseptic practices to be followed in cell culture laboratory • Cell culture media preparation and sterilization • Fetal bovine Serum - Heat inactivation, aliquot and storage
Day 02 (08 th Feb 2022)	<ul style="list-style-type: none"> • Different types of cells and cell lines • Monitoring cell growth and contamination • Maintenance of cell-culture • Preservation of cell-lines 	<ul style="list-style-type: none"> • Seeding of cells in culture vessels • Examination and Observation of cell lines under inverted microscope for growth and contamination check • Sub-culture(Passaging) of monolayer cells using trypsin-EDTA • Cryopreservation of cells using DMSO
Day 03 (09 th Feb 2022)	<ul style="list-style-type: none"> • Applications of cell culture in biomedical research • Career opportunities in Animal Cell Culture Technologies 	<ul style="list-style-type: none"> • Batch wise students activities • Monitoring the cell lines growth in microscope • Changing the cell culture media

Registration of Participants

Department of Biotechnology
VI Semester students attended for Workshop on Hands-on Training on Mammalian Cell Culture Techniques on 7-8-2022 timing 9.30 Am to 5.30

Sl	Name	USN	Signature
1	MAHANTESH RITTI	01FE18BBT023	
2	PRERANA GMOTAGI	01FE18BBT047	
3	VINOD H	01FE19BBT001	
4	PREETHI GONAL	01FE19BBT002	
5	VAISHNAVI G SHETTI	01FE19BBT003	
6	SRIHARI U	01FE19BBT004	
7	SADASHIV R HIREMATH	01FE19BBT005	
8	HARSH N KOLVEKAR	01FE19BBT006	
9	JAY MALPANI	01FE19BBT007	
10	SUSHMITA V GOUDAR	01FE19BBT008	
11	VAISHNAVI SINDAGIMATH	01FE19BBT009	
12	BHAGYA TURAKANI	01FE19BBT010	
13	YUGANDHARA ADAKE	01FE19BBT011	
14	SRAJANA	01FE19BBT012	
15	MANJUNATHGOUDA PATIL	01FE19BBT013	
16	SONIYA D KALLUR	01FE19BBT014	
17	SNEHA SHET	01FE19BBT015	
18	VAISHNAVI G HULMANI	01FE19BBT016	
19	SHREYA G KULKARNI	01FE19BBT018	
20	GOURI HALLAD	01FE19BBT019	
21	ANUSHA S ANGADI	01FE19BBT020	
22	TAKSHIKA MAHALAXMIKAR	01FE19BBT022	
23	NAVEEN C MALIGER	01FE19BBT023	
24	KOUNINEKASHIFA HARIHAR	01FE19BBT024	
25	ANCHAL JAIN	01FE19BBT026	
26	CLAVITA ARODRIGUES	01FE19BBT027	
27	SHUSHMITA KHAVATKOPP	01FE19BBT028	
28	GULAME KARADAGI	01FE19BBT029	
29	RAHUL S AIHOLE	01FE19BBT030	
30	DINESH K A	01FE19BBT031	
31	SAMIKSHA MANJUNATH	01FE19BBT032	
32	NISHA NAVADA	01FE19BBT034	
33	NIDANAAZ H JAKATI	01FE19BBT035	
34	SHREYA NAYAK	01FE19BBT036	
35	KHOT AARYA JAYENDRA	01FE19BBT037	
36	PRANITA ULLAGADDIMATH	01FE19BBT038	
37	DEEPAK SUNKANAVAR	01FE19BBT039	
38	SNEHA S HIREMATH	01FE19BBT040	
39	POOJA WAGHMODE	01FE19BBT041	
40	BIKASHITA MONDAL	01FE19BBT042	
41	SHIVANI C ARADHYAMATH	01FE19BBT043	
42	VARSHINI A SHETTY	01FE19BBT044	
43	VAISHNAVI R KAVI	01FE19BBT045	
44	SUMAN R ANTAL	01FE19BBT047	
45	SHREEDHAR DESAI	01FE19BBT048	
46	NEHA P BOCHAGERI	01FE19BBT049	
47	NIKITA PRAKASH T M	01FE19BBT050	
48	ANKITA SOLAGI	01FE19BBT051	
49	SHIVANI S ANGADI	01FE19BBT052	
50	SHREYA KATWE	01FE19BBT053	
51	VIJETA D SINGH	01FE19BBT054	
52	NAMKAINA P HEGDE	01FE17RBT004	
53	ZAREENKOUSAR KAZI	01FE18RBT001	

Department of Biotechnology

VI Semester students attended for Workshop on Hands-on Training on Mammalian Cell Culture Techniques on 8-2-2022 timing 9.30 Am to 5.30

Sl	Name	USN	Signature
1	MAHANTESH RITTI	01FE18BBT023	
2	PRERANA GMOTAGI	01FE18BBT047	
3	VINOD H	01FE19BBT001	
4	PREETHI GONAL	01FE19BBT002	
5	VAISHNAVI G SHETTI	01FE19BBT003	
6	SRIHARI U	01FE19BBT004	
7	SADASHIV R HIREMATH	01FE19BBT005	
8	HARSH N KOLVEKAR	01FE19BBT006	
9	JAY MALPANI	01FE19BBT007	
10	SUSHMITA V GOUDAR	01FE19BBT008	
11	VAISHNAVI SINDAGIMATH	01FE19BBT009	
12	BHAGYA TURAKANI	01FE19BBT010	
13	YUGANDHARA ADAKE	01FE19BBT011	
14	SRAJANA	01FE19BBT012	
15	MANJUNATHGOUDA PATIL	01FE19BBT013	
16	SONIYA D KALLUR	01FE19BBT014	
17	SNEHA SHET	01FE19BBT015	
18	VAISHNAVI G HULMANI	01FE19BBT016	
19	SHREYA G KULKARNI	01FE19BBT018	
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21	ANUSHA S ANGADI	01FE19BBT020	
22	TAKSHIKA MAHALAXMIKAR	01FE19BBT022	
23	NAVEEN C MALIGER	01FE19BBT023	
24	KOUNINEKASHIFA HARIHAR	01FE19BBT024	
25	ANCHAL JAIN	01FE19BBT026	
26	CLAVITA ARODRIGUES	01FE19BBT027	
27	SHUSHMITA KHAVATKOPP	01FE19BBT028	
28	GULAME KARADAGI	01FE19BBT029	
29	RAHUL S AIHOLE	01FE19BBT030	
30	DINESH K A	01FE19BBT031	
31	SAMIKSHA MANJUNATH	01FE19BBT032	
32	NISHA NAVADA	01FE19BBT034	
33	NIDANAAS H JAKATI	01FE19BBT035	
34	SHREYA NAYAK	01FE19BBT036	
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49	SHIVANI S ANGADI	01FE19BBT052	
50	SHREYA KATWE	01FE19BBT053	
51	VIJETA D SINGH	01FE19BBT054	
52	ZAREENKOUSAR KAZI	01FE18BBT001	

Department of Biotechnology

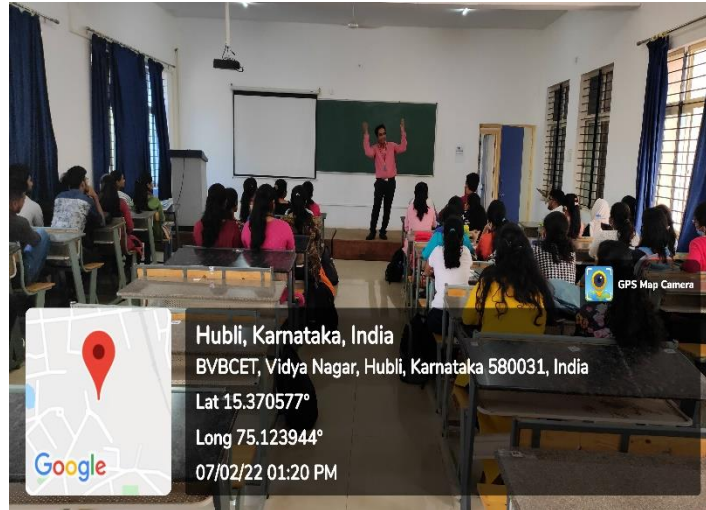
VI Semester students attended for Workshop on Hands-on Training on Mammalian Cell Culture Techniques on 9-2-2022 timing 9.30 Am to 5.30

Sl	Name	USN	Signature
1	MAHANTESH RITTI	01FE18BBT023	
2	PRERANA GMOTAGI	01FE18BBT047	
3	VINOD H	01FE19BBT001	
4	PREETHI GONAL	01FE19BBT002	
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50	SHREYA KATWE	01FE19BBT053	
51	VIJETA D SINGH	01FE19BBT054	

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Photographs

Dr Vishwas Kaveeshwar addressing the students during training



Students participating in the training.



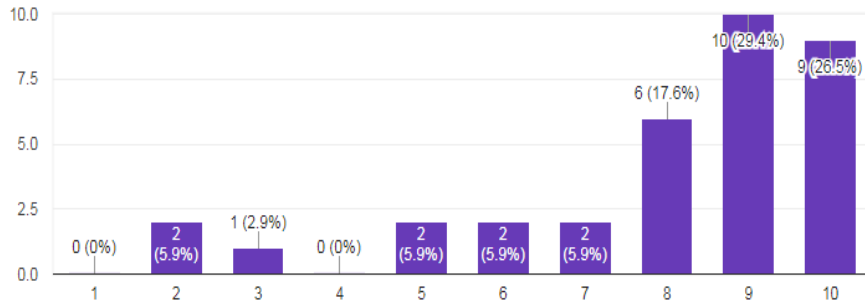
Feedback Responses of Participants

desaisv@kletech.ac.in

1. The demonstration of the cell culture facility was adequate

 Copy

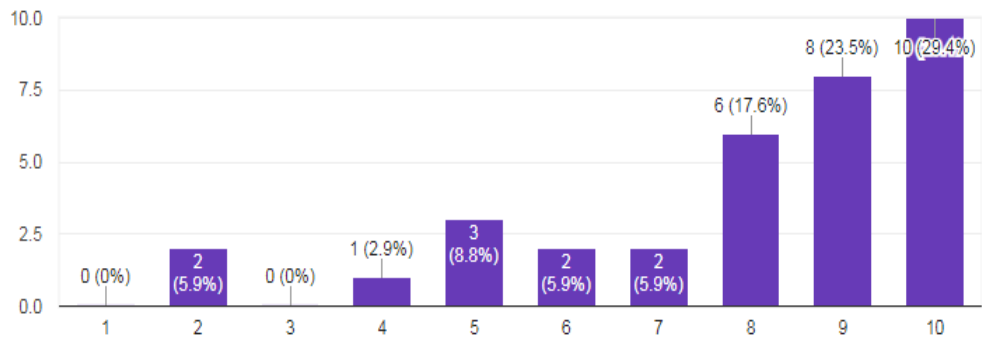
34 responses

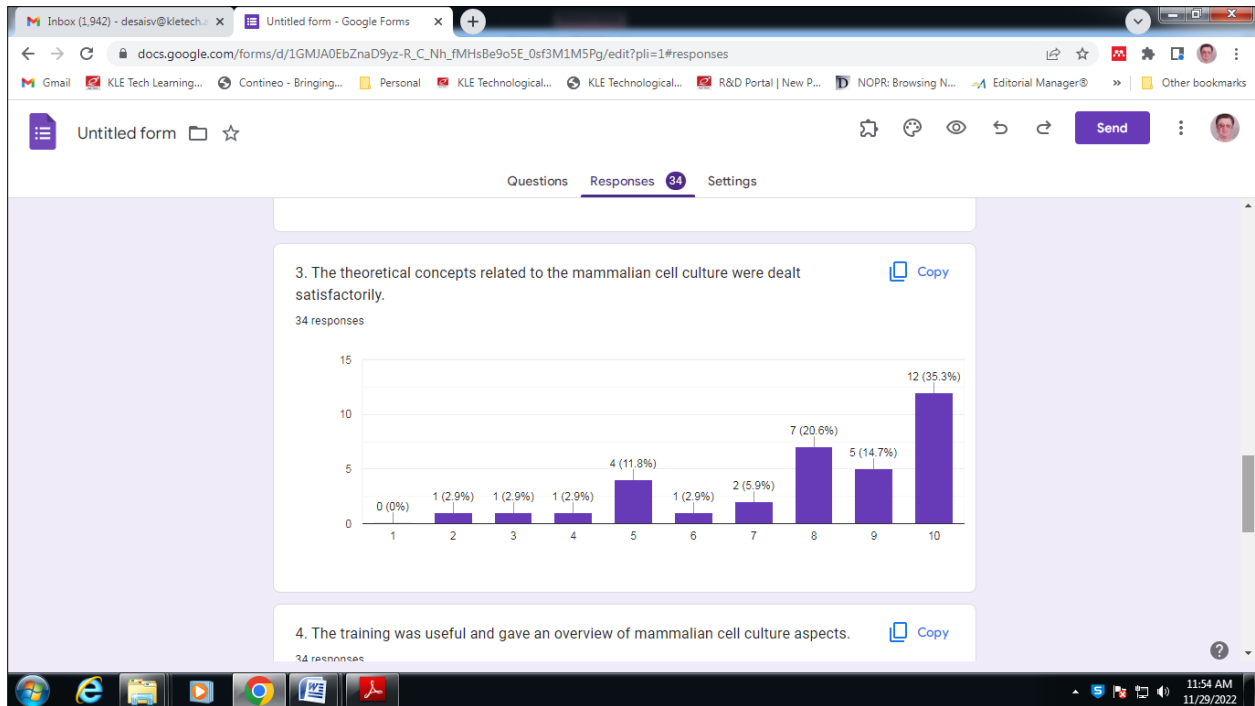


2. The concepts covered during the training were satisfactory.

 Copy

34 responses





Inbox (1,942) - desaisi@kletech... x Untitled form - Google Forms x +

docs.google.com/forms/d/1GMJIA0EbZnaD9yz-R_C_Nh_fMHsBe9o5E_0sf3M1M5Pg/edit?pli=1#responses

Questions Responses 34 Settings

5. The interaction with the resource persons was satisfactory. [Copy](#)

34 responses

Rating	Count	Percentage
1	0	0%
2	2	5.9%
3	1	2.9%
4	0	0%
5	3	8.8%
6	2	5.9%
7	2	5.9%
8	8	23.5%
9	8	23.5%
10	8	23.5%

12:02 PM 11/29/2022

Model Certificate



Certificate of Participation

Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that _____
of _____ has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person,
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

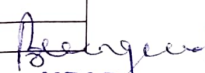
Issuance of participation certificates

DEPARTMENT OF BIOTECHNOLOGY
VII Semester students list ODD Semester -2022-23
Issue of Certificates
Mammalian Cell Culture Training

Roll.No	Name	USN	Signature
1	MAHANTESH RITTI	01FE18BBT023	[Signature]
2	PRERANA GMOTAGI	01FE18BBT047	[Signature]
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50	SHREYA KATWE	01FE19BBT053	[Signature]
51	VIJETA D SINGH	01FE19BBT054	[Signature]

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Workshop: Event report of Hands on Training on (Certificate List)
Mammalian Cell Culture on 7-9-2022

Roll .No	Name	USN
1	MAHANTESH RITTI	01FE18BBT023
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50	SHREYA KATWE	01FE19BBT053
51	VIJETA D SINGH	01FE19BBT054


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Certificate of Participation

Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Mahantesh Ritti
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli

Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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of Department of Biotechnology has
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of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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Sadashiv R. Hiremath

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Department of Biotechnology

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for Mammalian Cell Culture

February, 2022

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of Department of Biotechnology has
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Gururaj Tennala
Resource Person

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Dr. B. S. Hulgund

Head, Department of Biotechnology
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of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

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7-9 February, 2022

This is to certify that Vaishnavi. Sindasimath
of Department of Biotechnology. has
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Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Yugandhara. Adake
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Asst. Professor, Dept. of Biotechnology
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Dr. B. S. Hungund
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7-9 February, 2022

This is to certify that Srajana Shet
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeobT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person

Dr. B. S. Hungund
Head, Department of Biotechnology



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Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Manjunathgouda. Patil
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi



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Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Soniya . D. Kallur
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli

Resource Person

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KLE Technological University, Hubballi

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Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Sneha Shet
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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Resource Person

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KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Vaishnavi. G. Hulmani
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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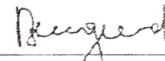
Workshop on Mammalian Cell Culture

7-9 February, 2022

This is to certify that Gouri. Hallad
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.



Gururaj Tennalli
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi



Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi



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7-9 February, 2022

This is to certify that Shreya G. Kulkarni
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli

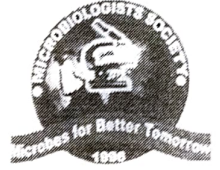
Resource Person
Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund

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KLE Technological University, Hubballi



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7-9 February, 2022

This is to certify that Anusha S. Angadi
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj
Resource
Asst. Professor, Dept
KLE Technological University

Dr. B. S. Hungund
Head, Department of Biotechnology
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This is to certify that Naveen . C. Maliger
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Takshika Mahalaxmika
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeOBT Association, Department of
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This is to certify that Kouninekashifa. Itarihar
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Resource Person
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7-9 February, 2022

This is to certify that

Anchal Jain

of

Department of Biotechnology

has

participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
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Dr. B. S. Shivraj

Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Clavita Anton Rodrigues
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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7-9 February, 2022

This is to certify that

Sushmita Khavarkopp

of

Department of Biotechnology

has

participated in the Mammalian Cell Culture Workshop conducted by NeoBT Association, Department of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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KLE Technological University, Hubballi

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This is to certify that Gulame Mustafa Karadagi
of Department of Biotechnology. has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Resource Person

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Dr. B. S. Hungund
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This is to certify that Rahul. S. Aihole
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person
Asst Professor Dept of Biotechnology
KLE Technological University Hubballi

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7-9 February, 2022

This is to certify that Dinesh. K.A
of Department of Biotechnology
participated in the Mammalian Cell Culture workshop conducted by NeobT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person
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7-9 February, 2022

This is to certify that Samiksha Manjunath
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli
Resource Person

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KLE Technological University, Hubballi

Dr. B. S. Hungund
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This is to certify that Nisha Navada
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Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Shreya Nayak
of Department of Biotechnology has
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Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Khot Aarya Jayendra
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NerBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Pranita Ullagaddimath
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Deepak Sunkannavar
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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Dr. B. S. Hungund
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7-9 February, 2022

This is to certify that Sneha. S. Hiremath
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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7-9 February, 2022

This is to certify that Pooja Waghmode
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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7-9 February, 2022

This is to certify that Shivani. G. Aradhyamath
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Srinivas Tennalli
Resource Person
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7-9 February, 2022

This is to certify that Varshini A. Shetty
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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This is to certify that Vaishnavi. R. Kavi
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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This is to certify that Bikashita Mendal
of Department of Biotechnology has
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This is to certify that Shreedhar Desai
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This is to certify that Suman.R. Antal
of Department of Biotechnology has
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This is to certify that Neha P. Bochageri
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

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7-9 February, 2022

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7-9 February, 2022

This is to certify that

Nikita Prakash. T.M

of

Department of Biotechnology

has

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Hands-on Training on Fermenter

9-13 April, 2022.

This is to certify that Ankita Solagi
of Department of Biotechnology has
participated in the Hands-on Training on Fermenter conducted by NeoBT Association, Department
of Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Sharanappa A.
Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Shivani. S. Angadi
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Gururaj Tennalli

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20 February, 2022

This is to certify that Shreya Katiwe
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
Biotechnology, KLE Technological University, Hubballi and Microbiologists Society of India.

Gururaj Tennalli

Resource Person

Asst. Professor, Dept. of Biotechnology
KLE Technological University, Hubballi

Dr. B. S. Hungund

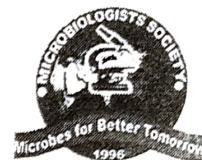
Head, Department of Biotechnology
KLE Technological University, Hubballi

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This is to certify that Vijetha D. Singh
of Department of Biotechnology has
participated in the Mammalian Cell Culture workshop conducted by NeoBT Association, Department of
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Gururaj Tennalli

Resource Person

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Dr. B. S. Hungund

Head, Department of Biotechnology
KLE Technological University, Hubballi

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**School of Electronics and Engineering
Internship program at IPCVG Lab on**

“CEVI (Earlier Known as Computer vision and Graphics Lab)”

1st August 2021 to 22nd August 2021

Dr. Uma Mudenagudi,

Dean Research & Development, KLE Technological University

Main objective of the program is to give basics and provide hands-on research/project experience to 4th and 6th semester BE students in the area of Image processing, Computer Vision, Graphics and Machine Learning. The motivation is to educate students about the possibilities and rewards in these areas. The program aims to cover theory topics in the first two weeks with lab sessions in the afternoon and project during the next four weeks. The students will have optional 2 weeks of research internship.

Workshop Outline

Course	Target Audience	Dates	Duration	Fee
Image Processing, Computer Vision, Graphics and Machine learning	4th and 6th sem, students from ECE, CSE, ISE, IT, EE branches. Other College students are also allowed.	1st August 2021 to 22nd August 2021	(6 weeks) + (2 weeks Internship [optional]) 36 hrs theory + 36 hrs labs + 192 hrs project with 8 reviews and evaluation by experts in the area.	Rs 3000 for In-house candidates. Rs.8000 for others
First two weeks (2 weeks*6days*3 hrs/day theory + 2*6*3 hrs labs)			Next four weeks (4 weeks*6days*8 hrs/day of project)	
First week: Basics of Image Processing, Machine Learning and Computer Graphics, with linux, gimp, imagemagick, OpenCV, OpenGL and C/C++. Second week: Basics of Computer Vision, Graphics, 3D reconstruction, 3D Processing with 3D tools (UNITY 3D, Meshlab) and lab sessions on 3D Data Acquisition, UNITY 3D and Tools. Project selection and discussion.			Project work in the following area: (preferably in 3D) Areas: Super resolution of images and videos, Activity recognition, 3D reconstruction, Image fusion and quality parameters, video summary, video analysis, video compression, video indexing, Driver assistance systems, 2D and 3D rendering, Machine Learning, Deep Learning, Computer Vision applications.	

Salient Features

- Hands-on training with theory and lab sessions with open source tools like gimp, image magick, OpenCV, OpenGL in linux etc.
- A project experience at research lab with optional 2 week internship.

How to Register

- Register your name for the courses with Dr. Uma Mudenagudi by registering Online.
Registration Link: <https://goo.gl/forms/jsAGA9VJRNrgmPwD2>
Please pay the fees through DD, NEFT/RTGS. Provide acknowledgement of payment.

Name: The Registrar, KLE Technological University, Hubballi. **Bank:** Syndicate Bank **S.B. A/c No:** 12442010028111

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- The venue is Computer Lab, Department of ECE, BVBCET, Hubballi.

Projects done during previous workshops have won Prizes at national level contests.

In-campus hostel facility available for candidates, with nominal charges.

Resource Person details



Ujwala Patil received a Ph.D. degree in Electronics and Communication Engineering from Visvesvaraya Technological University, Belgaum, Karnataka, INDIA, in 2018. She is an active mentor at the Center of Excellence in Visual Intelligence (CEVI), KLE Technological University, Hubballi, Karnataka, INDIA. She is currently working as a Professor at the School of Electronics and Communication Engineering, KLE Technological University. Her current research interests include Image processing, Machine learning, and Deep learning specifically for medical and agricultural applications.



Chaitra Desai has been a Junior Research Fellow at the Center of Excellence in Visual Intelligence since September 2018. Her expertise includes Image processing, Machine learning, and Deep learning specifically for underwater applications. Chaitra currently lives in Hubballi, Karnataka, INDIA, and is pursuing her full-time Ph.D. in Computer Vision and Image Processing from KLE Technological University. She enjoys reading research articles, working out, and travelling.



Uma Mudenagudi is a Professor and Dean, R&D, KLETech University Hubballi (earlier known as BVBCET Hubli). Her research interests are Computer Vision, Machine learning, deep learning, Computer graphics, Image and Video Processing, Digital heritage, 3D

representation and analysis. She obtained MTech from IIT Bombay and PhD from IIT Delhi. She published more than 100+ technical papers in national/international journals and conference proceedings like TPAMI, SIGGRAPH, SIGGRAPH-ASIA, ICCV, ACCV, CVPR etc. She received number of awards and fellowships. Dr. Uma Mudenagudi is the winner of best PhD Thesis award from BITES (Board for IT Education Standard), Government of Karnataka.



Ramesh Ashok Tabib received the MTech degree in Digital Electronics from B.V.B College of Engineering, Hubballi, Karnataka, INDIA, in 2012 and is a research scholar (Ph.D. student) at Center of Excellence in Visual Intelligence (CEVI), KLE Technological University, Hubballi, Karnataka, INDIA. He is currently working as an Assistant Professor at the School of Electronics and Communication Engineering, KLE Technological University. His current research interests include representation learning, 2D-3D data/ content creation and curation.



Dr. Shankar is a Researcher in Computer Vision and Graphics Lab, KLE Technological University focusing on learning systems/representations and data processing approaches (computer vision) using machine learning/deep learning techniques. Also principal investigator on two Interdisciplinary Cyber-Physical Systems (ICPS), Department of Science and Technology, Govt. of India sponsored research projects, (i) Crowdsourcing framework for archiving and preservation of heritage sites and (ii) Underwater Digital Restoration of Heritage Sites involving data processing and 3D reconstruction. My PhD title is "Representation and Analysis of 3D Point Cloud Data" under supervision of Prof. Uma Mudenagudi, funded by Indian Digital Heritage Space, DST, Govt. of India. My PhD work finds its application in 3D Reconstruction of Digital Cultural Heritage Sites, more specifically on UNESCO World heritage site Hampi Temples, India. Also a recipient of the best doctoral symposium award at international conference ICVGIP 2016, IIT Guwahati. Professor in School of Computer Science and Engineering, KLE Technological University, Hubballi, India. As an academician, I teach courses related to Data Science like Database Management System, Data Mining and Machine Learning. Prior to my PhD, I obtained my master's degree in Computer Science and Engineering from the National Institute of Technology Karnataka, Surathkal and an undergraduate degree in CSE from BVBCET,

Hubballi.

For more details visit: <https://sites.google.com/site/shankarsetty/home>



Dr. Sujata C received a Ph.D. degree from Visvesvaraya Technological University, Belgaum, Karnataka, INDIA,. She is an active mentor at the Center of Excellence in Visual Intelligence (CEVI), KLE Technological University, Hubballi, Karnataka, INDIA. She is currently working as a Professor at the School of Computer Science and Engineering, KLE Technological University. Her current research interests include Image processing, Machine learning, and Deep learning specifically for medical and agricultural applications, image and video processing, computer vision.

Summer Workshop on Visual Intelligence
CEVI (Earlier known as Computer Vision and Graphics Lab)
1st August 2021 to 22nd August 2021

Day	8.30 am - 10.30 am	11am - 1pm	2pm - 3.30pm	4 pm-5.30 pm	5.30pm - 8.00pm
01/08/2021 Day 1		Overview of the workshop and Introduction (10.30 -12.30)	Basics of Python with OpenCV Image Read/Write		Buffer
02/08/2021 Day 2	Image Processing - Basics, Histogram	Filtering, and Image Operations	Image Processing Laboratory Session		Buffer
03/08/2021 Day 3	Computer Graphics - Overview, 2D and 3D rigid transformations	Computer Vision - Projective geometry, Camera, Homography	Computer Graphics and Vision Laboratory Session		Buffer
04/08/2021 Day 4	3D Reconstruction, 2D, and 3D data processing	Buffer	3D Reconstruction Laboratory Session		Buffer
05/08/2021 Day 5	Machine learning Introduction, Supervised	Linear regression, Cost Function, and Logistic Regression	Machine Learning Laboratory Session I		Buffer
06/08/2021 Day 6	Basics of Neural Network	Unsupervised Learning	Machine Learning Laboratory Session II		Buffer
07/08/2021 Day 7	Deep Learning, CNN	Autoencoders	Deep Learning Laboratory Session I		Buffer
08/08/2021 Day 8	Generative Adversal Networks	Group Project Discussion	Deep Learning Laboratory Session II		Buffer
09/08/2021	Finalization of Project Problems [Discussion on Projects - 6 PM to 8 PM]				
09/08/2021 to 21/08/2021	Project progress [Review on every Wednesday and Saturday]				
22/08/2021	Project final evaluation and distribution of certificates				

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