

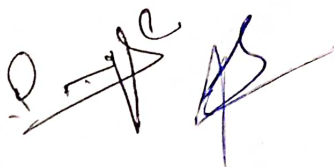
**Department of Biotechnology**  
**Forum activity Report**

Type of event/activity	One Day Seminar
Name/Title of the Activity/Event	POST TRANSCRIPTIONAL REGULATION OF MOLECULES INVOLVED IN SECONDARY SIGNALLING PATHWAY IN NEURONS
Date of Organization	12 <sup>th</sup> July 2022
Venue (with address)	ALH-208, Academic Block Sapthagiri College of Engineering
Organized by	Department of Biotechnology <b>Faculty Co-ordinators:</b> Dr. Soumya C Dr. Shobha G
Objectives of the event/activity	Knowledge about signaling pathway
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	<ul style="list-style-type: none"> <li>50+ participants</li> </ul>
Mention organized /participated/attended	<ul style="list-style-type: none"> <li>Organized</li> </ul>

**Event Description:**

The Department of Biotechnology organized a webinar for fourth and Sixth semester Students on "Post transcriptional regulation of molecules involved in secondary signalling pathway in neurons", 12<sup>th</sup> July 2022 at 11.00 pm to 12.00pm. The session was addressed by Mr. JAGANNATH J (M.Tech, IIT Kanpur), Research Assistant, Department of Neuroscience, IISc, Bangalore

The motive of the webinar was providing knowledge of signaling pathway in neurons. Speaker highlighted about the research carrying out in signaling pathway by FBF in *C.elegans* Neurons. They exemplified about the involvement of CGMp pathway in Protein coding gene sequences and its conversion into mRNA which was highly regulated process of transcription. Speaker also highlighted on Studies of transcriptional regulation in *C. elegans* exploit its genomic simplicity



  
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and physical characteristics to define regulatory events with single-cell and minute-time-scale resolution. Invitro immunoprecipitation and transcriptional fusion in *C. elegans*

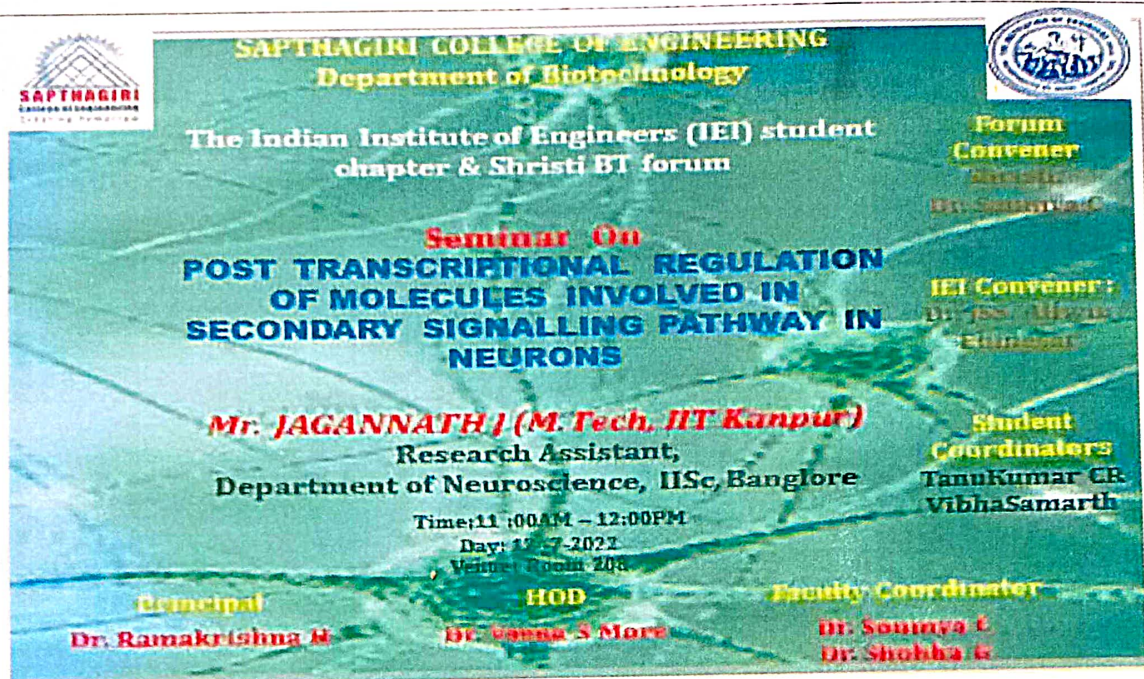
A discussion between the students and speakers got a proper output of the pathways involved in signaling.

**Note:** At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	-	-	-	-	2	2	-	-	-	-	-

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**SAPTHAGIRI COLLEGE OF ENGINEERING**  
**Department of Biotechnology**

The Indian Institute of Engineers (IEI) student chapter & Shristi BT forum

**Seminar On**  
**POST TRANSCRIPTIONAL REGULATION OF MOLECULES INVOLVED IN SECONDARY SIGNALLING PATHWAY IN NEURONS**

**Mr. JAGANNATH J (M. Tech. IIT Kanpur)**  
Research Assistant,  
Department of Neuroscience, IISc, Bangalore

Time: 11:00AM - 12:00PM  
Day: 12-07-2022  
Venue: Room 208

**Principal**  
Dr. Ramakrishna H

**HOD**  
Dr. Ganja S More

**Faculty Coordinator**  
Dr. Soumya E  
Dr. Shobha E

**Forum Convener**  
Dr. Soumya E

**IEI Convener:**  
Dr. Soumya E

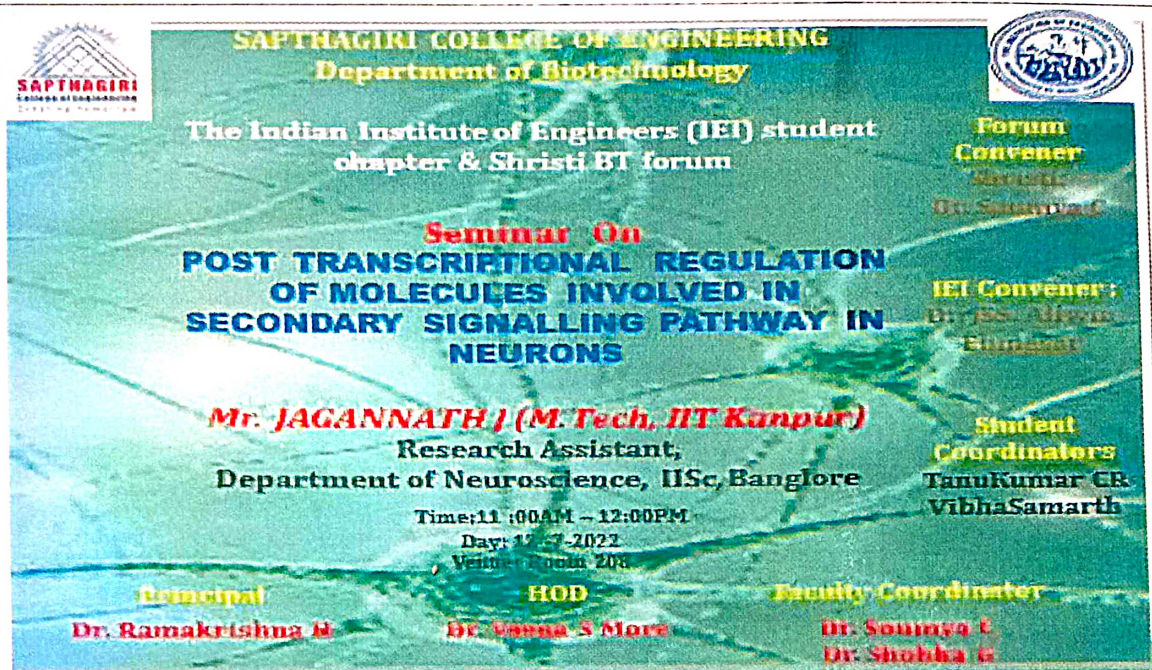
**Student Coordinators**  
TanuKumar CB  
Vibha Samarth



*(Signature)*  
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*MR*





**SAPTHAGIRI COLLEGE OF ENGINEERING**  
**Department of Biotechnology**

The Indian Institute of Engineers (IEI) student chapter & Shristi BT forum

**Seminar On**  
**POST TRANSCRIPTIONAL REGULATION**  
**OF MOLECULES INVOLVED IN**  
**SECONDARY SIGNALLING PATHWAY IN**  
**NEURONS**

**Mr. JAGANNATH J (M. Tech, IIT Kanpur)**  
Research Assistant,  
Department of Neuroscience, IISc, Bangalore

Time: 11:00 AM - 12:00 PM  
Day: 15-07-2022  
Venue: Room 208

**Principal**  
Dr. Ramakrishna H

**HOD**  
Dr. Vanna S More


**Faculty Coordinator**  
Dr. Soumya C  
Dr. Shobha G

**Forum Convener**  
Dr. Soumya C

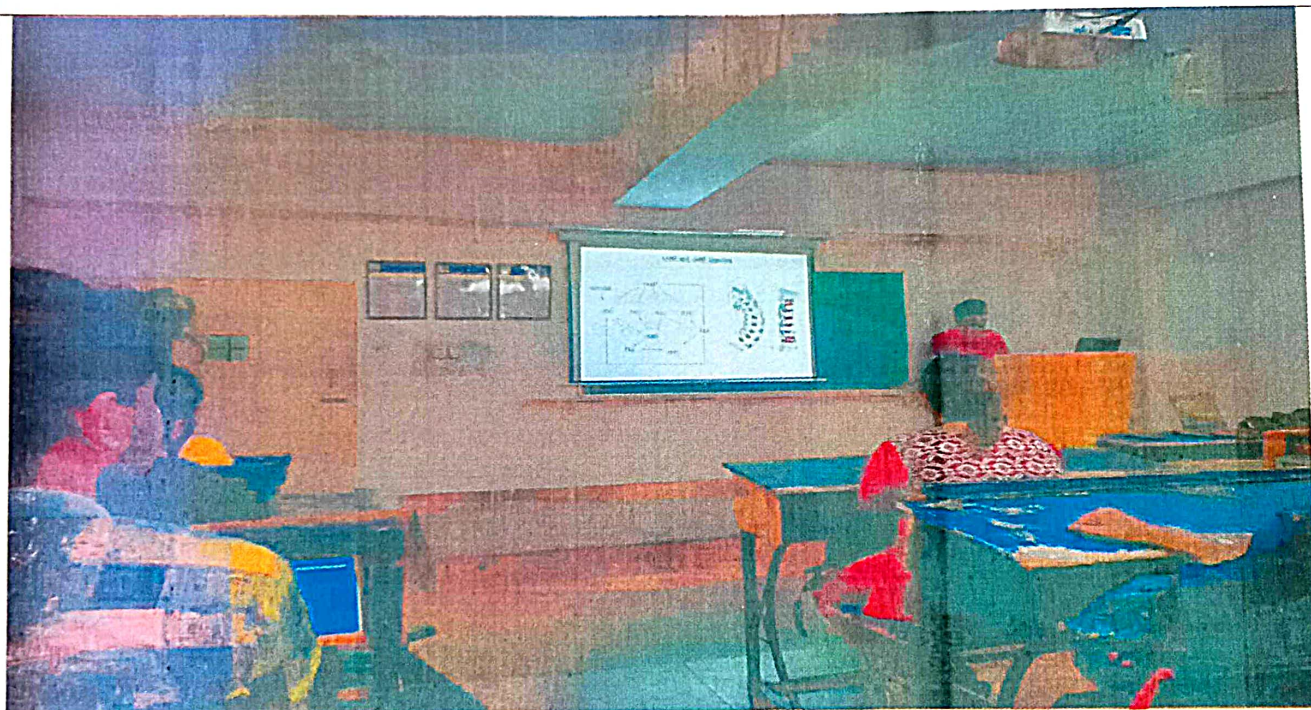
**IEI Convener:**  
Dr. Jagan Mohan  
Bhatnagar


**Student Coordinators**  
Tanu Kumar CR  
Vibha Samarth



  
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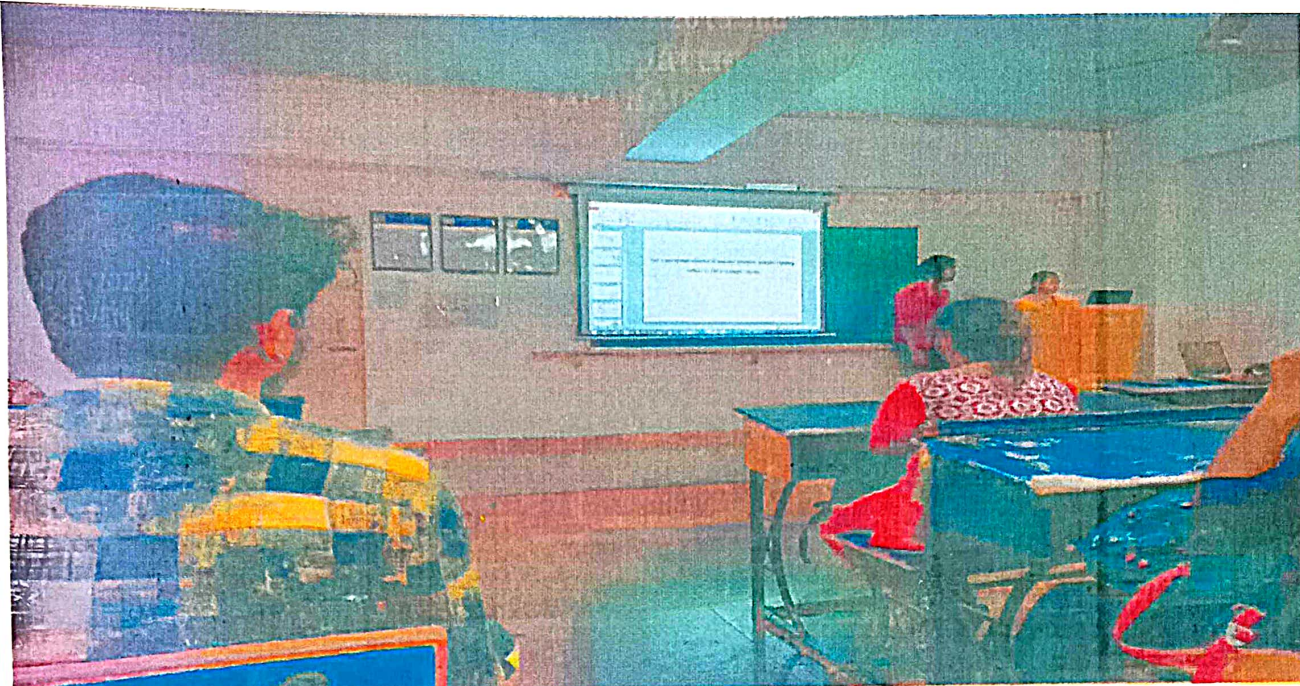




  
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Snapshot of the Seminar

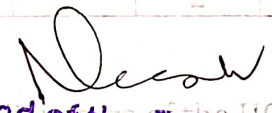
**Note:**

- (i) After every event, please take feedback (online/offline).

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	3	3	-	3	-		2	3	-	2

Date of Submission: 3/08/2022

Co-ordinator Signature

  
**Head of the Department**  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
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Sri Srinivasa Educational & Charitable Trust

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### Department of Biotechnology


### Forum activity Report

*Type of event/activity	Mini Project Poster Exhibition
Name/Title of the Activity/Event	"Mini Project Exhibition-2022"
Date of Organization	18-JULY-2022
Venue (with address)	Department of Biotechnology (SCE)
Organized by	IEI Co-ordinator: Dr. J S S Allwin Ebinesar Co-ordinator: Prof. Ramya D L
Objectives of the event/activity	<p>The main objective of Mini Project Poster Exhibition are:</p> <ul style="list-style-type: none"><li>• Main Objective of organizing this event is to provide the platform and unleash the potential of the students by showcasing their innovativeness and creativity. This provides opportunity for the students to demonstrate their learning experience.</li></ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	40+ participants
Mention organized /participated/attended	Organized

#### Event Description:

The Department of Biotechnology organized a "Mini Project Poster Exhibition-2022" under the banner of The Institution of Engineers (India) Student chapter on 18-JULY-2022 from 03:00 Pm to 04:30 pm in association with Shristi Forum, BT, SCE.

The session was open for the faculties and students of Sapthagiri College of Engineering. The resource persons invited as a Judge for the session was: Prof. Ravishankar, Assistant Professor, Dept. of ECE, SCE.

  
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## Department of Biotechnology

### Forum activity Report

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The objective of the Exhibition:

- The main function of a poster is to capture a moving audience with a message
- A poster speaks for itself; the presence of its author is not necessary. It is therefore possible to reach a broader audience when compared to a presentation limited in time.
- Develop professionals having good skills, self-learning ability and confidence to support and contribute to the growth of relevant industries.
- It is to provide the platform and unleash the potential of the students by showcasing their innovativeness and creativity.
- This provides opportunity for the students to demonstrate their learning experience.

Posters are thought to be one the first directions of visual advertisement, serve as the main tool helping to catch people's attention and transfer the message. It is also possible to present several posters in the same room and at the same time; visitors can have a look at those posters they are interested in. The poster exhibit is an efficient and effective educational tool. It is also an excellent means to creatively communicate new ideas, projects, and research in nursing. Such kind of event motivates the students to learn by self-experience and do some innovative work. The ideas are taking a shape in form of projects; some of the projects are very useful for the society.

The function has been a result of good hard work done by the third Year Students who showed good enthusiasm to display their projects; The function was fully videographed, solely by the student volunteers.

The Mini project exhibition had an interactive session where students and faculties of SCE have participated, learnt and benefited with information. About 40+ participants participated in the session. It was an enlightening and fruitful event.



  
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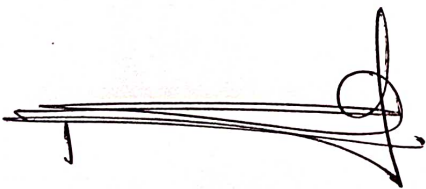


The session was started by welcome speech by Dr. Veena S More, HOD, BT, SCE and followed by introduction by Prof. Ramya D L, Program Co-Ordinator, formal vote of thanks was delivered by Dr. JSS Allwin Ebinesar, IEI Co-ordinator.



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### Department of Biotechnology

#### Forum activity Report



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### The Institute of Engineers (India) Student Chapter

#### DEPARTMENT OF BIOTECHNOLOGY

Organizes

## MINI PROJECT EXHIBITION 2022

### CHIEF PATRON

**JULY 18<sup>th</sup>  
2022, MONDAY**

**SRI G DAYANAND  
CHAIRMAN, SCE**

**TIMINGS: 03:00 PM  
VENUE: CIVIL BLOCK  
SEMINAR HALL**

**SRI G D MANOJ  
EXECUTIVE DIRECTOR, SCE**

**Mr. Yashas. L  
Ms.P. Soujanya  
Student  
Coordinator**

**Prof. Ramya DL  
Mini Project  
Coordinator**

**Dr. Allwin  
Ebinesar  
IEI Convener**

**Dr. Veena S  
More  
HOD,BT**

**Dr.Ramakrishna.  
Principal**

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
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Images:



Fig 1: Inauguration speech by Principal



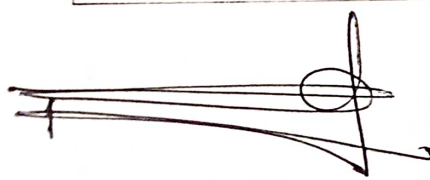
Fig 2: Explanation on Poster by student groups



Fig 3: Interaction of students with session judge



Fig 4: Student participants explaining their posters



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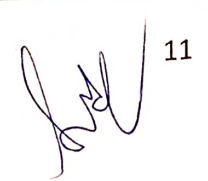






Fig 5: Session judge queries for participants



Fig 6: Vote of thanks by Head of the department

Photos during Miniproject poster exhibition

Note:

(ii) After every event, please take feedback (online/offline).

P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
2	2	3	3	-	3	-	-	2	3	-	2

Date of Submission: 3/08/2022

Co-ordinator Signature

Head of the Department  
Dept. of Bio - Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57

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Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
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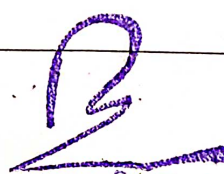
*Type of event/activity	Industrial Visit to IIHR
Name/Title of the Activity/Event	Study of Tissue culture and Mushroom Culture techniques.
Date of Organization	22-July 2022
Venue	IIHR, Bengaluru.
Organized by	Co-ordinators: Dr Shobha G, Dr Gouri Mirji
Objectives of the event/activity	To understand the techniques of Tissue culture and Mushroom Culture.
Participants	53 participants
Mention organized /participated/attended	Organized

**Event Description:**

The Department of Biotechnology organized an Industrial visit to Indian Institute of Horticulture Research on 22-July-2022 from 10am am to 1pm in association with Shristi Forum, BT, SCE.

The objective of the visit was to study the tissue culture and mushroom culture techniques. Tissue culture allows the production and propagation of genetically homogeneous, disease-free plant material. Plant tissue culture is a collection of techniques used to maintain or grow plant cells, tissue or organs under sterile conditions on a nutrient culture medium of known composition. It is widely used to produce clones of a plant in a method known as micropropagation. The study of Mushroom culture helps to study the conditions and requirements for the propagation of mushrooms and promote self-employment.

Dr Nandeesh, Department of Basic Science, IIHR, explained the techniques of tissue culture. The visit had an interactive session where students and faculty coordinators, SCE have, learnt and benefited with information related to working with tissue culturing units. About 53 students participated and it was an informative event.

  
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Images:



**Photos during Industrial Visit**



  
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**Note:**

- (i) After every event, please take feedback (online/offline).

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	2	3	3	-	3	-	-	2	3	-	2

Date of Submission: 24/07/2022

Co-Ordinator Signature

Dr Shobha G

Dr Gouri Mirji



Signature of the HOD

Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
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**Department of Biotechnology**

IIAR - Vist.

**STUDENT LIST**

Sl No.	Name	USN	signature
1	AASTHA ROY	1SG20BT001	
2	ABDULSAMAD A HAZRATBHAI	1SG20BT002	<i>Abdul</i>
3	AISHWARYA BL	1SG20BT003	<i>Alw</i>
4	ALICE JENNIFER	1SG20BT004	<i>Alice</i>
5	AMINA FARHEEN	1SG20BT005	<i>Amina</i>
6	AMOGHAVARSHA G	1SG20BT006	<i>Amogha.G</i>
7	ANANYA B S	1SG20BT007	
8	ANNAPAREDDY TRINAYANIREDDY	1SG20BT008	<i>Trinayanireddy</i>
9	ASFIA SULTANA	1SG20BT009	<i>Asfia</i>
10	BHOOMIKA B V	1SG20BT010	<i>Bhoomika</i>
11	CHAITHRA SHREE A	1SG20BT011	<i>Chaitra</i>
12	CHETAN KAGINELLI	1SG20BT012	<i>Chetan.K</i>
13	CHETHANA R	1SG20BT013	<i>Chethana.R</i>
14	DANUSH P	1SG20BT014	<i>Danush</i>
15	DEEKSHITHA M	1SG20BT015	<i>Deekshitha</i>
16	DEEPIKA PRAKASH	1SG20BT016	
17	DEEPTHI P M	1SG20BT017	<i>Deepthi.P.M</i>
18	DHANUSH HALLIKAR S	1SG20BT018	<i>Dhanush</i>
19	DHARANI G	1SG20BT019	<i>Dharani</i>
20	DIVYA K N	1SG20BT020	<i>Divya</i>
21	G L NIKHIL KUMAR REDDY	1SG20BT021	<i>Nikhil</i>
22	GANAVI N	1SG20BT022	<i>Ganavi</i>
23	GAYATHRI S	1SG20BT023	<i>Gayathri</i>
24	HARSHITHA REDDY G	1SG20BT024	<i>Harshitha</i>
25	J JOYLYNN GRACE	1SG20BT025	
26	K NARAHARI	1SG20BT027	
27	KANGAN M	1SG20BT028	
28	KHUSHI BHAVANI K SINGH	1SG20BT029	<i>Khushi</i>
29	KRUTHI J	1SG20BT030	

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**Department of Biotechnology**

30	NAMITA KRISHNAKUMAR	1SG20BT031	<u>Namita</u>
31	NESARA M	1SG20BT033	
32	NIRANJAN M	1SG20BT034	<u>N.D.</u>
33	NISCHITHA K S	1SG20BT035	
34	NITHEESH S	1SG20BT036	
35	P SWATHI	1SG20BT037	<u>P. Swathi</u>
36	POOJA M	1SG20BT038	
37	PRATHIKSHA GS	1SG20BT039	<u>Prathika</u>
38	PRAVALIKA KV	1SG20BT040	
39	PRIYANKA V	1SG20BT041	<u>Priyanka</u>
40	RAKSHA K	1SG20BT042	
41	RAKSHA S	1SG20BT043	
42	RAKSHITH R	1SG20BT044	<u>Rakshit</u>
43	RANJITHA C M	1SG20BT045	<u>Ranjitha</u>
44	RUMANA BANU	1SG20BT046	<u>Rumana</u>
45	S N MEGHA MOURYA NANDAN	1SG20BT047	
46	SANGEETHA M M	1SG20BT048	
47	SANJANA S S	1SG20BT049	<u>Sanjana</u>
48	SAVITHA M	1SG20BT050	<u>Savitha</u>
49	SHARON RAJ	1SG20BT051	<u>Sharon</u>
50	SMRITHI B	1SG20BT052	
51	SUDIKSHA K KUMAR	1SG20BT053	
52	SUSHMA S	1SG20BT054	<u>Sushma</u>
53	SWATHI BHARADWAJ R	1SG20BT055	<u>Swathi</u>
54	TANU KUMAR C	1SG20BT056	<u>Tanukumar</u>
55	UPPUTURI JAHAVALI	1SG20BT057	<u>Jahnavi</u>
56	VAMSHITHA R SHETTY	1SG20BT058	
57	VARSHITHA N R	1SG20BT059	<u>Varshitha</u>
58	VARUN S	1SG20BT060	<u>Varun</u>
59	VIBHA SAMARTHA	1SG20BT061	<u>Vibha Samartha</u>

  
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**Department of Biotechnology**

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31	NESARA M	1SG20BT033	
32	NIRANJAN M	1SG20BT034	<i>N.D.</i>
33	NISCHITHA K S	1SG20BT035	
34	NITHEESH S	1SG20BT036	
35	P SWATHI	1SG20BT037	<i>P. Swathi</i>
36	POOJA M	1SG20BT038	
37	PRATHIKSHA GS	1SG20BT039	<i>Prathika</i>
38	PRAVALIKA KV	1SG20BT040	
39	PRIYANKA V	1SG20BT041	<i>Priyanka V</i>
40	RAKSHA K	1SG20BT042	
41	RAKSHA S	1SG20BT043	
42	RAKSHITH R	1SG20BT044	<i>Rakshit</i>
43	RANJITHA C M	1SG20BT045	<i>Ranjitha</i>
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45	S N MEGHA MOURYA NANDAN	1SG20BT047	
46	SANGEETHA M M	1SG20BT048	
47	SANJANA S S	1SG20BT049	<i>Sanjana</i>
48	SAVITHA M	1SG20BT050	<i>Savitha</i>
49	SHARON RAJ	1SG20BT051	<i>Sharon</i>
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51	SUDI KSHA K KUMAR	1SG20BT053	
52	SUSHMA S	1SG20BT054	<i>Sushma</i>
53	SWATHI BHARADWAJ R	1SG20BT055	<i>Swathi</i>
54	TANU KUMAR C	1SG20BT056	<i>Tanukumar. C</i>
55	UPPUTURI JAHNAVI	1SG20BT057	<i>Jahnavi</i>
56	VAMSHITHA R SHETTY	1SG20BT058	
57	VARSHITHA N R	1SG20BT059	<i>Varshitha. NR</i>
58	VARUN S	1SG20BT060	<i>Varun. S</i>
59	VIBHA SAMARTHA	1SG20BT061	<i>Vibhasamrtha</i>

*AK*

  
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**SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57**  
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**DEPARTMENT OF BIOTECHNOLOGY**

**A Report on ROUTES TO HIGHER EDUCATION**

Type of event/activity	One Day Seminar
Name/Title of the Activity/Event	ROUTES TO HIGHER EDUCATION
Date of Organization	25 <sup>th</sup> July 2022
Venue (with address)	ALH-208, Academic Block Sapthagiri College of Engineering
Organized by	Department of Biotechnology <b>Faculty Co-ordinators:</b> Dr. Soumya C Prof Kavya M V
Objectives of the event/activity	To guide the students regarding Pathways available for Higher education .
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	<ul style="list-style-type: none"><li>40+ participants</li></ul>
Mention organized /participated/attended	<ul style="list-style-type: none"><li>Organized</li></ul>

**Event Description:**

The Department of Biotechnology conducted a seminar for 6<sup>th</sup> sem Students under the banner of The Institution of Engineers (India) Student chapter and Shrishti BT forum, on "**ROUTES TO HIGHER EDUCATION**", 25<sup>th</sup> July 2022 at 11.00 pm to 12.00pm. The session was addressed by Mr. JAGANNATH J (M.Tech, IIT Kanpur), Research Assistant, Department of Neuroscience, IISc, Bangalore.

The motive of the webinar was to provide information regarding importance of higher education and paths available to achieve that to students. The speaker who is a proud alumni of Biotech department spoke about different programmes available world wide and the probable changes that may happen in future to choose the suitable programme by focusing on gathering the right information about the courses. Furthermore, the talk also highlighted academic requirements the universities expect and how to gain access to their chosen institution. The Seminar was successfully coordinated by Prof. Kavya M.V, & Dr. Soumya C .

Signature of Faculty Coordinator

Principal  
Sapthagiri College of Engineering

Signature of HOD

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1 Chikkasandra





AY:2021-2022  
2022- Even

## SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

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### DEPARTMENT OF BIOTECHNOLOGY

#### A Report on ROUTES TO HIGHER EDUCATION

**SAPTHAGIRI COLLEGE OF ENGINEERING**  
Department of Biotechnology

**Forum Convener**  
Shristi:  
Dr. Soumya C

The Indian Institute of Engineers (IEI) student  
chapter & Shristi BT forum

Alumni Talk On  
**"ROUTES TO HIGHER EDUCATION"**

**By A Proud Alumni**  
**Mr. JAGANNATH J (M.Tech, IIT Kanpur)**  
Research Assistant,  
Department of Neuroscience, IISc, Bangalore  
**Time:11:00AM – 12:00PM**  
**Day: 25 -7-2022**  
**Venue: Room 208**

**IEI Convener:**  
Dr. JSS. Allwin  
Ebinesar

**Student Coordinators:**  
Amulya SM  
Amruth C Sekhar  
**VI Sem**

**Principal**  
Dr. Ramakrishna H

**HOD**  
Dr. Veena S More

**Faculty Coordinator**  
Dr. Soumya C  
Prof. Kavya MV



Shot on OnePlus  
By Raksha

Signature of Faculty Coordinator

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering



**A Report on ROUTES TO HIGHER EDUCATION**



Broucher of the Webinar

Principal  
**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Signature of Faculty Coordinator

Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering





AY: 2021-2022

Sri Srinivasa Educational & Charitable Trust  
**SAPTHAGIRI COLLEGE OF ENGINEERING**  
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**Department of Biotechnology**  
**Monthly activity report July 2022**

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	3	3	-	-	-	-	2	3	-	2

Date of Submission: 2/08/2022

Co-ordinator Signature

Signature of the Head of the Dept.  
Head of the Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



Type of event/activity	Seminar
Name/Title of the Activity/Event	Seminar on <b>"Journey from Scientist to Entrepreneur"</b>
Speaker	<b>Dr. Purushottam M. Dewang</b> Founder & MD, CropG1; Member Board of Research, KBC North Maharashtra University, Jalgaon Member of Scientific Advisory Board, Acharya & BMR College of Pharmacy, Bangalore
Date of Organization	12/08/2022
Venue (with address)	Seminar Hall, Faraday Block, Sapthagiri College of Engineering
Organized by	Program Co-ordinator: <b>Dr. Gouri Mirji</b> <b>Dr. Chaitra B S</b>
Objectives of the event/activity	<ul style="list-style-type: none"> <li>• Journey of becoming an Entrepreneur</li> <li>• Pros and Cons of being an Entrepreneur</li> <li>• To guide us regarding the various strategies involved in developing a Startup and financial Aids</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	<ul style="list-style-type: none"> <li>• 100+ participants</li> </ul>
Mention organized /participated/attended	<ul style="list-style-type: none"> <li>• Organized</li> </ul>



  
 Principal  
**Sapthagiri College of Engineering**  
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 Bengaluru - 560 057



**Event Description:**

The Department of Biotechnology conducted a seminar for Students under the banner of The Institution of Engineers (India), NDLI (National Digital Library of India), Student chapter and Shrishti BT forum on 12th August 2022 from 09.30AM- 11.30AM. Seminar was delivered by Dr. Purushottam M. Dewang, Founder & MD, CropG1; Member Board of Research, KBC North Maharashtra University, Jalgaon Member of Scientific Advisory Board, Acharya & BMR College of Pharmacy, Bangalore The main aim of arranging the seminar is to give all the students an idea about the general view about establishing a company (Startups) and the pros and cons of an entrepreneur. The speaker spoke about his journey of becoming an entrepreneur the troubles faced by him and the way he tackled the problem. Speaker established CropG1 Company, through which they focused on developing a safe way of controlling the pest population by setting up a trap for pest. This method is advantageous as there is no usage of pesticides on plants, hence the health hazards faced by usage of pesticides can be avoided. Students were happy to learn about this method of controlling the pest in agriculture sector and also they were glad to learn about various methods and techniques involved in establishing a startup, they learnt about the various types of financial aids and marketing strategies. The Event was organized by Dr. Gouri Mirji and Dr. Chaitra B S, Assistant professors, Dept of Biotechnology, SCE, Bangalore-57

**Note:** At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	2	3	-	-	-	2	-	-	-	-	-

*Chaitra*

*B*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta  
Bengaluru

*Ne*  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57



Images:



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**Department of Biotechnology**

*The Indian Institute of Engineers (IEI) student chapter*

In association with **NDLI**  
Organising a talk on

**Journey from a Scientist to  
an Entrepreneur**

**Eminent Speaker**



**PROGRAM CO-ORDINATORS**

**Dr. Gouri Mirji**  
**Dr. Chaitra B S**

**Dr. Purushottam M Dewang**  
M.D, Crop G1,  
Agro Research and Development  
Pvt. Ltd., Bengaluru

**CHIEF PATRONS**

**Sri. Dayananda G**  
Chairman, SCE

**Sri. G D Manoj**  
Executive Director, SCE

**Dr. Ramakrishna H**  
Principal

**Dr. Veena S More**  
HOD, BT

**Dr. Allwin Ebinesar**  
IEI Convener

**Dr. Soumya C**  
Shristi Convener

Date : 12/ 08/ 2022  
Timings : 9.30 am  
Venue: Seminar Hall

*Chaitra*

  
Principal  
**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057





Welcoming the Guest

*Charita*

*[Signature]*

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road

*[Signature]*  
Head of the Department  
Dept. of Bio-Technology





Interaction of Guest with Students

Faculty Co ordinators:

Dr. Gouri Mirji

Dr. Chaitra B S

*Chaitra*

*[Signature]*

Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Date of Submission: 16-08-2022

*[Signature]*  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore - 57





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## Department of Biotechnology



*The Indian Institute of Engineers (IIE) student chapter & Shristi BIForum*

*Organising a talk on*

**CHIEF PATRONS**

**Sri. Dayananda G**  
Chairman, SCE

# Journey from a Scientist to an Entrepreneur

**Eminent Speaker**



**PROGRAM CO-ORDINATORS**

**Dr. Gouri Mirji**  
**Dr. Chaitra B S**

**Date : 12/ 08/ 2022**  
**Timings : 9.30 am**  
**Venue: Seminar Hall**

**Sri. G D Manoj**  
Executive Director, SCE

**Dr. Ramakrishna H**  
Principal

**Dr. Veena S More**  
HOD, BT

**Dr. Allwin Ebinesar**  
IEI Convener

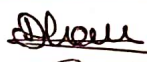
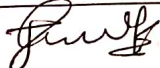

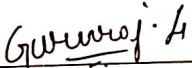
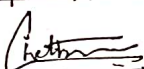
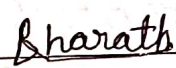



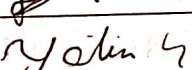

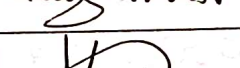

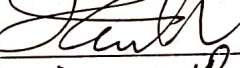

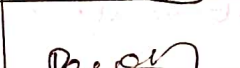


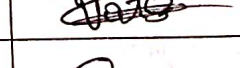
**Dr. Soumya C**  
Shristi Convener

*Principal*  
**Sapthagiri College of Engineering**  
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Bengaluru - 560 057

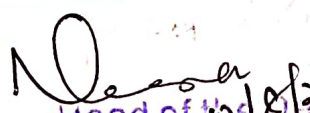
Event: Talk on Entrepreneurship Development


Date: 12-08-2022

Student Attendance

Sl No	USN	Branch	Name	Signature
1	1SG21ME406	ME	Dhananjaya K.M	
2	1SG21ME408	ME	JEEVAN.K	
3	1SG21ME409	ME	K. ABHISHEK GOWDA	
4	1SG21ME407	ME	GURURAJ.L	
5	1SG21ME404	ME	Chubha.S	
6	1SG21ME402	ME	Bharath Kumar K.N	
7	1SG21ME403	ME	Bharath Kumar G	
8	1SG20ME015	ME	RAKSHATH. G	
9	1SG20ME008	ME	LAXMAN.S	
10	1SG20ME026	ME	Yatin. G. Rao	
11	1SG20ME007	ME	Harghath Kumar HV	
12	1SG21EC001	ECE	Abhijith Sai Chinni	
13	1SG21EC045	ECE	Hemanth Kumar AR	
14	1SG21ME412	ME	LEKHITH MA	
15	1SG21ME405	ME	D. Venkata pavan	
16	1SG21ME416	ME	Ravish Goudar	
17	1SG21ME419	ME	Vatsa-R	
18	1SG21ME415	ME	Raganeva	
19	1SG21ME420	ME	Vishnuprasad .BN	

4/4/22  
18/22

  
Head of the Department  
Dept. of Bio-Technology  
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Principal  
Sapthagiri College of Engineering  
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Sri Srinivasa Educational Institutions  
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**Department of Biotechnology**

20	1SG21ME413	ME	Manoj. J	Manoj. J
21	1SG21ME401	ME	Ashwin. R	Ashwin. R
22	1SG21ME421	ME	Vivek. D. N	Vivek. D. N
23	1SG21ME410	ME	Kowshtick. M. C	Kowshtick. M. C
24	1SG21ME400	ME	AMRUTH KUMAR M. S.	AMRUTH KUMAR M. S.
25	1SG21ME417	ME	Sanjay. M. S	Sanjay. M. S
26	1SG21ME411	ME	Lakshmi. H	Lakshmi. H
27	1SG20ME010	ME	Manoj. S	Manoj. S
28	1SG20ME003	ME	Dainik. K. R	Dainik. K. R
29	1SG20ME016	ME	Raman yadav	Raman yadav
30	1SG20ME013	ME	Pavan. R	Pavan. R
31	1SG20ME001	ME	SHASHANK. S	SHASHANK. S
32	1SG20ME011	ME	Nishanth. L. R	Nishanth. L. R
33	1SG20ME009	ME	Manjunatha. K. R.	Manjunatha. K. R.
34	1SG20ME005	ME	Gagan. C. D	Gagan. C. D
35	1SG21ME418	ME	S. M. Lakshmi. S	S. M. Lakshmi. S
36	1SG20ME022	ME	Shashanka. B	Shashanka. B
37	1SG20ME024	ME	Milok. R	Milok. R
38	1SG20ME002	ME	Chandan. S.	Chandan. S.
39	1SG20ME023	ME	SRUJAN M. S	SRUJAN M. S

4/5/21  
 Chaitra  
 12/8/22

N. Veen  
 Head of the Department  
 Dept. of Bio-Technology  
 Sapthagiri College of Engineering  
 No. 57/1, Chikkasandra  
 Hesaraghatta  
 Bangalore



**Department of Biotechnology**

Event: Talk on Entrepreneurship Development

Date: 12-08-2022

**Student Attendance**

Sl No	USN	Branch	Name	Signature
40	1SG20ME017	ME	S. Rajshetkar.	
41	1SG20ME012	ME	PAVAN.M	
42	1SG20ME014	ME	R. Arun Kumar	
43	1SG20ME019	ME	Sahail . Sulaiman.	
44	1SG20ME006	ME	Gowtham . Gowda .	
45	1SG20ME009	ME	LIKITH.G	
46	1SG20CS062	CS	monisha . PS	
47	1SG20CS102	CS	Sneha . S	
48	1SG20CS115	CS	Nisarga . S	
49	1SG20CS070	CS	nukushan shareef	
50	1SG20EC043	EC	Harshitha . M	
51	1SG20EC047	EC	Jeevitha . C	
52	1SG20EC016	EC	Bhoomika . K	
53	1SG20EC039	EC	Harshala . B	
54	1SG20EC002	EC	Abhijith Kumar Maji	
55	1SG20EC038	EC	Harsha Vardhan NH	
56	1SG20EC055	EC	Leelan Gowda . R	
57	1SG20BT012	BT	chetan . K	
58	1SG20BT060	BT	Vaasu .	

4/8/22

Chaitan  
12/8/22

Head of the Department  
Dept. of Bio-Technology  
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**Department of Biotechnology**

59	1SG20BT021	BT	Gr.L. Nikhil Reddy	<del>Abhishek</del>
60	1SG20BT018	BT	Dhanush Hallikar	Dhanush
61	1SG20BT047	BT	Megha Mourya Nandan	Mourya
62	1SG20BT044	BT	Rakshit . R	Rashmi
63	1SG20BT036	BT	Niteesh Shivkumar	<del>Abhishek</del>
64	1SG20BT058	BT	Tanukumar . C	T.P
65	1SG20BT014	BT	Danush . P	<del>Danush</del>
66	1SG20BT064	GSE	Nagaraju . K	<del>Ad</del>
67	1SG20BT006	BT	Anagha Venkatesh	Anagha
68	1SG20BT002	BT	Abdul Samad . A . H	<del>Abdul</del>
69	1SG20BT005	BT	Aamina Farhan	<del>Amritha</del>
70	1SG20BT009	BT	Astha Sultana	<del>Astha</del>
71	1SG20BT033	BT	Nesaram	<del>Amritha</del>
72	1SG20BT017	BT	Deepika . P	<del>Deepa</del>
73	1SG20BT022	BT	Ganavi . N	<del>Ganavi</del>
74	1SG20BT052	BT	Smriti Rao	<del>Smriti</del>
75	1SG20BT045	BT	Ranjitha . C . M	<del>Ranjitha</del>
76	1SG20BT008	BT	A. Trinayani	<del>Trinayani</del>
77	1SG20BT041	BT	Priganka . V.	<del>Priganka . V.</del>
78	1SG20BT042	BT	Raksha . K	<del>Raksha</del>

*Handwritten signature*  
 Chaitra  
 12/8/22

*Handwritten signature*  
 Head of the Department  
 Dept. of Bio - Technology  
 Sapthagiri College of Engineering  
 No. 57/1, Chikkasandra  
 Hesaraghatta : Road  
 Bengaluru



79	1SG20BT004	BT	Alice Jennifer	<i>Alice Jennifer</i>
80	1SG20BT031	BT	Namita K	<i>Namita K</i>
81	1SG20BT050	BT	Srivitha M	<i>Srivitha M</i>
82	1SG20BT051	BT	Sharon Raj	<i>Sharon Raj</i>
83	1SG20BT049	BT	Sanjana S.S	<i>Sanjana S.S</i>
84	1SG20BT015	BT	Deekshitha M	<i>Deekshitha M</i>
85	1SG20BT013	BT	Chethana	<i>Chethana</i>
86	1SG20BT054	BT	Sushma S	<i>Sushma S</i>
87	1SG20BT017	BT	Deepthi P.M	<i>Deepthi P.M</i>
88	1SG20BT040	BT	Pravalika	<i>Pravalika</i>
89	1SG20BT023	BT	Gayathri S	<i>Gayathri S</i>
90	1SG20BT010	BT	Bhoomika B.V	<i>Bhoomika B.V</i>
91	1SG20BT059	BT	Narshitha N.R	<i>Narshitha N.R</i>
92	1SG20BT011	BT	Chaitanya Shree	<i>Chaitanya Shree</i>
93	1SG20BT046	BT	Rumana Banu	<i>Rumana Banu</i>
94	1SG20BT057	BT	Jahnavi	<i>Jahnavi</i>
95	1SG20BT061	BT	Vibha	<i>Vibha</i>
96	1SG20BT003	BT	Aishwarya	<i>Aishwarya</i>
97	1SG20BT020	BT	Dilva	<i>Dilva</i>
98	1SG20BT055	BT	Swathika	<i>Swathika</i>
99	1SG20BT019	BT	Harani	<i>Harani</i>

447

*Chaitanya*  
12/8/22

*N. Srinivas*  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru - 57

*B. Srinivas*  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057







Type of event/activity	Industrial Visit
Name/Title of the Activity/Event	<b>"KRISHIMELA 2022"</b>
Date of Organization	5/11/2022
Venue (with address)	<b>GKVK, Bangalore</b>
Organized by	Department of Biotechnology <b>Faculty Co-ordinators:</b> Prof. Gowthami N V
Objectives of the event/activity	<ul style="list-style-type: none"> <li>• Awareness of agricultural concepts both in plant and animal cultivation</li> <li>• Commercial trading, equipment employed in agriculture</li> <li>• Regarding Farming of various crops</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	<ul style="list-style-type: none"> <li>• 39 participants</li> </ul>
Mention organized /participated/attended	<ul style="list-style-type: none"> <li>• Organized</li> </ul>

### Event Description:

Department of BT had organized one day visit to "Gandhi Krishi Vigyana Kendra" popularly known as GKVK, who had organized physical and virtual Krishimela from 31<sup>st</sup> Oct to 6<sup>th</sup> of November, 2022 for 5<sup>th</sup> sem students as part of curriculum studies. Krishimela majorly focused on to showcase the latest agricultural technologies for the farmers, students various of discipline, entrepreneurs so that one can learn and implement new technologies in their work. Students belonging to Department of Biotechnology along with professor Prof. Gowthami N V from Sapthagiri college of engineering, Bangalore visited on 5<sup>th</sup> of November with the help of college transport.

The mela consist of different sectors such as animal husbandry, agricultural machineries, poultry farming, agricultural inputs, organic farmers, homemade bakery products, agricultural science department

  
 Principal  
**Sapthagiri College of Engineering**  
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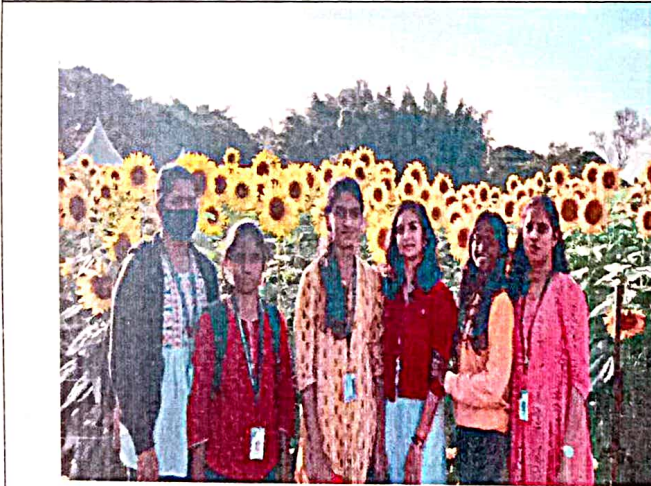


etc. These will emphasis knowledge of Agriculture to students which will be base for future career aspects in field of agriculture.

**Images:**



Krishimela 2021 Visit at GVKK Bangalore



Students at GVKK Sunflower fields



Harvesting of silk worm cocoons

*(Handwritten signature)*

Principal  
Sapthagiri College of Engineering  
#14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru- 560 057



**Note:** At the end map PO's (with 3/2/1):


PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	3	1	2	-	3	3	2	3	3	1	2

Faculty Co-ordinators:



Prof. Gowthami N V

Date of Submission: 8-11-2022

  
Signature of the HOD  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore - 56



Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



Krishimela .

## STUDENT LIST - V Sem .

Sl No.	Name	USN	signature
1	AASTHA ROY	1SG20BT001	
2	ABDULSAMAD A HAZRATBHAI	1SG20BT002	<i>Abdul</i>
3	AISHWARYA PL	1SG20BT003	<i>Aishwarya</i>
4	ALICE JENNIFER	1SG20BT004	<i>Alice Jennifer</i>
5	AMINA FARHEEN	1SG20BT005	<i>Amina</i>
6	AMOGHAVARSHA G	1SG20BT006	<i>Amoghavarsha G</i>
7	ANANYA B S	1SG20BT007	
8	ANNAPAREDDY TRINAYANIREDDY	1SG20BT008	<i>Trinayanireddy</i>
9	ASFIA SULTANA	1SG20BT009	<i>Asfia</i>
10	BHOOMIKA B V	1SG20BT010	<i>Bhoomika</i>
11	CHAITHRA SHREE A	1SG20BT011	<i>Chaithra</i>
12	CHETAN KAGINELLI	1SG20BT012	<i>Chetan K</i>
13	CETHANA R	1SG20BT013	<i>Cethana R</i>
14	DANUSH P	1SG20BT014	<i>Danush</i>
15	DEEKSHITHA M	1SG20BT015	<i>Deekshitha</i>
16	DEEPIKA PRAKASH	1SG20BT016	
17	DEEPTHI P M	1SG20BT017	<i>Deepthi P M</i>
18	DHANUSH HALLIKAR S	1SG20BT018	<i>Dhanush</i>
19	DHARANI G	1SG20BT019	<i>Dharani</i>
20	DIVYA K N	1SG20BT020	<i>Divya</i>
21	G L NIKHIL KUMAR REDDY	1SG20BT021	<i>Nikhil</i>
22	GANAVI N	1SG20BT022	<i>GANAVI</i>
23	GAYATHRI S	1SG20BT023	<i>Gayathri</i>
24	HARSHITHA REDDY G	1SG20BT024	<i>Harshitha</i>
25	J JOYLYNN GRACE	1SG20BT025	
26	K NARAHARI	1SG20BT027	
27	KANGAN M	1SG20BT028	
28	KHUSHI BHAVANI K SINGH	1SG20BT029	<i>Khushi</i>
29	KRUTHI J	1SG20BT030	


*[Signature]*

SAPTHAGIRI COLLEGE OF ENGINEERING



**SAPTHAGIRI COLLEGE OF ENGINEERING**  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
An ISO 9001:2015 and 14001:2015 Certified Institution  
Accredited by NAAC -A GRADE  
**Department of Biotechnology**

30	NAMITA KRISHNAKUMAR	1SG20BT031	<i>Namita</i>
31	NESARA M	1SG20BT033	
32	NIRANJAN M	1SG20BT034	<i>Niranjana</i>
33	NISCHITHA K S	1SG20BT035	
34	NITHEESH S	1SG20BT036	
35	P SWATHI	1SG20BT037	<i>P. Swathi</i>
36	POOJA M	1SG20BT038	
37	PRATHIKSHA GS	1SG20BT039	<i>Prathika</i>
38	PRAVALIKA KV	1SG20BT040	
39	PRIYANKA V	1SG20BT041	<i>Priyanka</i>
40	RAKSHA K	1SG20BT042	
41	RAKSHA S	1SG20BT043	
42	RAKSHITH R	1SG20BT044	<i>Rakshith</i>
43	RANJITHA C M	1SG20BT045	<i>Ranjitha</i>
44	RUMANA BANU	1SG20BT046	<i>Rumana</i>
45	S N MEGHA MOURYA NANDAN	1SG20BT047	
46	SANGEETHA M M	1SG20BT048	
47	SANJANA S S	1SG20BT049	<i>Sanjana</i>
48	SAVITHA M	1SG20BT050	<i>Savitha</i>
49	SHARON RAJ	1SG20BT051	<i>Sharon</i>
50	SMRITHI B	1SG20BT052	
51	SUDIKSHA K KUMAR	1SG20BT053	
52	SUSHMA S	1SG20BT054	<i>Sushma</i>
53	SWATHI BHARADWAJ R	1SG20BT055	<i>Swathi</i>
54	TANU KUMAR C	1SG20BT056	<i>Tanukumar. C</i>
55	UPPUTURI JAHAVALI	1SG20BT057	<i>Jahanavi</i>
56	VAMSHITHA R SHETTY	1SG20BT058	
57	VARSHITHA N R	1SG20BT059	<i>Varshitha</i>
58	VARUN S	1SG20BT060	<i>Varun. S</i>
59	VIBHA SAMARTHA	1SG20BT061	<i>Vibhasamatha</i>

  
**Principal**  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

From:

05-11-2022

Dr. Veena S. More,  
Dept. of Biotechnology,  
SCE, Bengaluru-57.

To:

The Principal,  
SCE, Bengaluru-57

on 05-11-2022

Sub: Permission for V th Sem students to visit Krishimela-2022 which is  
going on in GKVK ,Bengaluru and the Bus facility from the College .


Respected Sir,

With respect to the above subject, requesting you to permit the V th Sem students to visit **Krishimela-2022** which is going on in GKVK,Bengaluru, since they have a theory paper Agricultural Biotechnology, which will be very helpful for them and require the Bus facility from the College . Kindly do the needful.

Thanking you,

Yours faithfully,



  
**Head of the Department**  
**Dept. of Bio -Technology**  
**Sapthagiri College of Engineering**  
**No. 57/1, Chikkasandra**  
**Hesaraghatta Main Road**  
**Bangalore -57**



Principal  
**Sapthagiri College of Engineering**  
No. 57/1, Chikkasandra, Hesaraghatta Main Road



*Type of event/activity	<b>Model Exhibition</b>
Name/Title of the Activity/Event	External Evaluator : Dr Prakash Jadav, Professor, Department of Electronics and Communication, Sapthagiri College of Engineering, Bangalore 57 Internal Evaluator: Dr Soumya C. Assistant Professor, Department of Biotechnology, Sapthagiri College of Engineering, Bangalore 57
Date of Organization	24 <sup>th</sup> Nov 2022
Venue (with address)	Department of Biotechnology, Sapthagiri College of Engineering, Bangalore 57
Organized by	Program Co-ordinator: Dr. Soumya C Dr. Shobha
Objectives of the event/activity	Major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative models developed in the third Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	59 participants (V sem )
Mention organized /participated/attended	Organized

### Event Description:

The Department of Biotechnology organized one day Model Exhibition

The objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the Final Year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning.

The outcome of the MODEL EXHIBITION was that students were able to show their project at higher level and the process boosted their confidence. Total of 59 participants registered and participated in the Model



exhibition.

The session was started by welcome speech from Dr. Veena S More, HOD BT and The entire technical session was moderated by Dr Soumya C. Model exhibition was evaluated by External Evaluator : Dr Prakash Jadav Professor, Department of EC,Sapthagiri College of Engineering, Bangalore 57.Internal Evaluator: Dr Soumya C.Assistant Professor, Department of Biotechnology, Sapthagiri College of Engineering, Bangalore 57

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ISO 9001:2015 & 150001:2015 Certified, Accredited by NAAC with "A" Grade  
The Institute of Engineers (India) Student Chapter  
**DEPARTMENT OF BIOTECHNOLOGY**  
Organizes  
**MODEL EXHIBITION 2022**

**CHIEF PATRON**  
**SRI G DAYANAND**  
CHAIRMAN, SCE

**EXECUTIVE DIRECTOR, SCE**  
**SRI G D MANOJ**

**TIMINGS:**  
3:00 PM to 4:00 PM  
**Venue:** Macro lab

**NOV 24<sup>th</sup>**  
Thursday

Mr. Narahari K. K. Student Coordinator  
Dr. Soumya C. Dr. Shobha G. Coordinator  
Dr. Alkhan Ehtnesar IETI Convener  
Dr. Veena S More HOD, BT  
Dr. Ramakrishna.H Principal



Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



**Note:**

(i) After every event, please take feedback (online/offline).

(ii) At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
3	2	2	2	3				2	2	2	3

**\*Type of activity:**

Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited Talk/Guest Lecture/  
Skill enhancement program/Cultural activity/competitions etc.,

**Faculty Co-ordinators:**

Dr. Soumya C

Dr. Shobha

Date of Submission: 27/11/2022

Principal  
Sapthagiri College of Engineering  
#14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Signature of the HOD  
Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru - 560 057

*Type of event/activity	Hands on training workshop
Name/Title of the Activity/Event	"Animal cell culture and it's role in research and industry"
Date of Organization	21 <sup>st</sup> Nov to 25 <sup>th</sup> Nov 2022
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Program Co-ordinator: Prof. Ramya D L and Dr. Chaitra B S
Objectives of the event/activity	The main objective of ethics in research publications are: <ul style="list-style-type: none"> <li>• Day 1:- Cell culture techniques and explant from Zebrafish fin.</li> <li>• Day 2:- Thawing cells, seeding cells and Real time-Live Imaging using CytoSMART Lux2.</li> <li>• Day 3:- Observe seeded cells, Zebra fish primary cells observe and pre-prepared MSC differentiation to adipogenic lineage.</li> <li>• Day 4&amp;5:- Maintenance of cells.</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	50+ participants
Mention organized /participated/attended	Organized

**Event Description:**

The Department of Biotechnology organized a Hands on Workshop on "Animal cell culture and it's role in research and Industry" under the banner of The Institution of Engineers (India) Student chapter on 21<sup>st</sup> Nov-25<sup>th</sup> Nov 2022 from 10:30 am to 4:00 pm in association with Shruti Forum, BT, SCE.

The session was open for the faculties and students of Biotechnology Department. The resource persons for the Hands on workshop session is Dr. Gokul Kesavan, Co-founder & Chief Scientific Officer VOWELS.



The objective of the Workshop is to make understand and provide ethical knowledge regarding:

1. The midbrain-hindbrain boundary (MHB) acts as an organizer and controls the fate of neighboring cells to develop into either mesencephalic (midbrain) or metencephalic (hindbrain) cells by secreting signaling molecules like Wnt1 and Fgf8.
2. The zebrafish is an excellent vertebrate model for studying MHB development due to the ease of gene manipulation and the possibility of following cellular dynamics and morphogenetic processes using live imaging. Currently, only very few reporter and/or Cre-driver lines are available to study gene expression at the MHB, hampering the understanding of MHB development, and traditional transgenic technologies using promoter/enhancer fragments or bacterial artificial chromosome (BAC)-mediated transgenesis often do not faithfully recapitulate endogenous expression patterns.
3. In contrast, CRISPR/Cas9-mediated genome editing technology now provides a great opportunity to efficiently knock-in or knock-out genes. We have generated four CRISPR/Cas9-based knock-in fluorescent reporter lines for two crucial genes involved in MHB development, namely *otx2* and *pax2a*.
4. The coding sequences of the reporters were knocked-in upstream of the corresponding ATG and are, thus, under the control of the endogenous promoter/enhancer elements. Interestingly, this strategy does not disturb endogenous gene expression.
5. Using the fast maturing fluorescent protein reporter, Venus, enabled us to follow MHB development using cell tracking and live imaging. In addition, we show that these reporter lines label various neuronal and glial cell types in the adult zebrafish brain, making them highly suitable for investigating embryonic and adult midbrain, hindbrain, and MHB development.

The Hands on Workshop had an interactive session where students and faculties of Biotech department, SCE have participated, learnt and benefited with information related to the role of ethics in research publications. About 50+ participants participated in the session. It was an enlightening and fruitful event.

The session was started by welcome speech by Dr. Veena S More, HOD, BT, SCE and followed by introduction by Prof. Ramya D L, Program Co-Ordinator, formal vote of thanks was delivered by Dr. Chaitra B S, Program Co-Ordinator.



Principal  
**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
Web: www.sapthagiri.edu.in Email: principal@sapthagiri.edu.in  
Phone: 080-28 372800/1/2 Fax: 080-28 372797

## DEPARTMENT OF BIOTECHNOLOGY

The Indian Institute of Engineers (IEI) student chapter &  
Shristi BT forum

Organizing

### SKILL DEVELOPMENT PROGRAM

FOR

**BIOTECHNOLOGY**  
**STUDENTS**

### HANDS ON TRAINING WORKSHOP

**"Animal cell culture and its  
role in Research & Industry"**

#### Mini Project included:

**"PRIMARY CELL CULTURE FROM  
CAUDAL FIN EXPLANTS OF ZEBRA FISH"**

DURATION:

**5 days**

**21<sup>st</sup> to 25<sup>th</sup> November 2022**

**Every participant will receive certificate at the end of workshop**

#### CHIEF PATRONS

Sri. Dayananda G  
Chairman, SCE

Sri. G D Manoj  
Managing Director,  
SCE

Dr. Ramakrishna H  
Principal

Dr. Veena S More  
HOD

Dr. Allwin Ebinesar  
IEI Convenor

Dr. Soumya C  
Shristi Convener

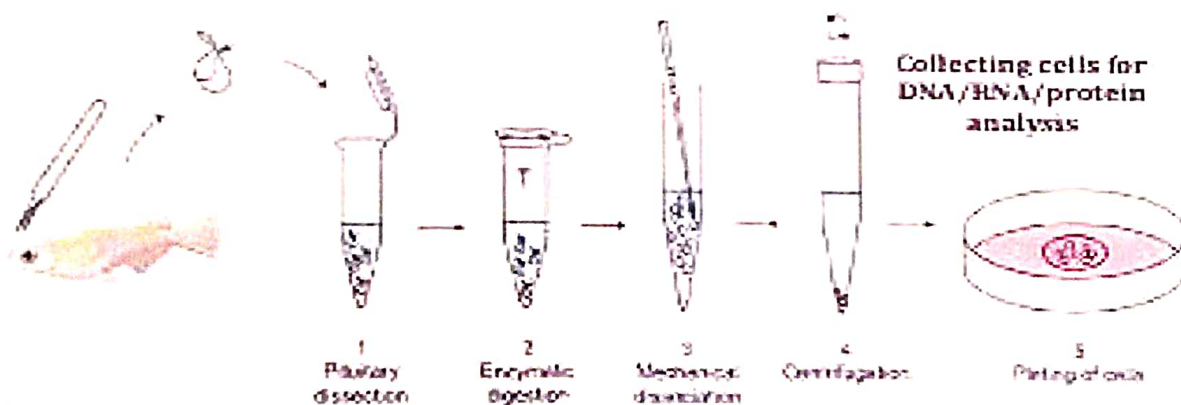
#### PROGRAM CO-ORDINATORS

Dr. Chaitra B S  
&  
Prof. Ramya D L



**Mini Project included:**

**Primary cell culture from caudal fin explants of Zebra Fish**



**Resource person:**

**Dr. Gokul Kesavan**

Co-founder & Chief Scientific Officer  
VOWELS

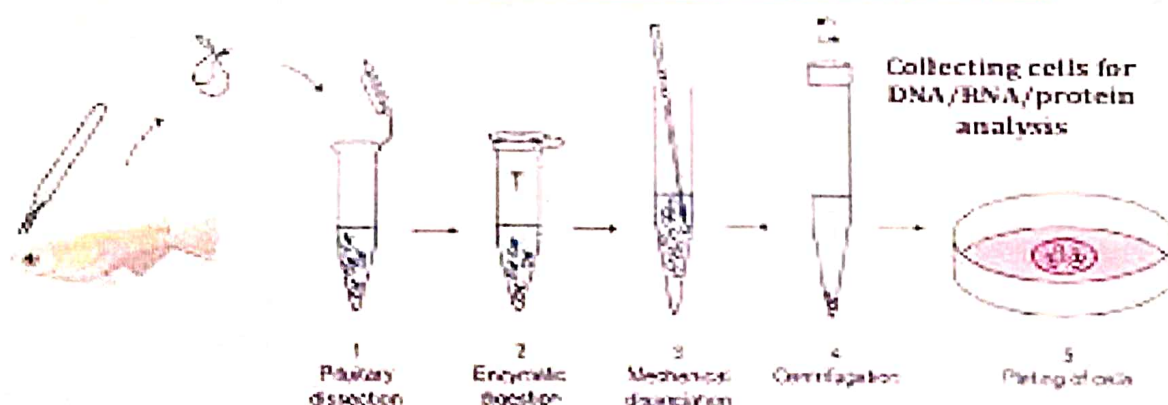
**Workshop Coordinators:**

**Dr. Chaltra B S & Prof. Ramya D L**

Assistant Professors, Dept of Biotechnology, SCE

**Mini Project included:**

**Primary cell culture from caudal fin explants of Zebra Fish**



**Resource person:**

**Dr. Gokul Kesavan**  
Co-founder & Chief Scientific Officer  
VOWELS

**Workshop Coordinators:**

**Dr. Chaltra B S & Prof. Ramya D L**  
Assistant Professors, Dept of Biotechnology, SCE



## SAPTHAGIRI COLLEGE OF ENGINEERING

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(ISO: 9001-2015 and ISO: 14001-2015 certified, NAAC accredited with A Grade)

### Department of Biotechnology

*The Indian Institute of Engineers (IEI) student chapter*

*& Shristi BT forum*

*Organising*



**PATRONS**

**Chairman, SCE**

Sri. Dayananda G

**Managing Director, SCE**

Sri. G D Manoj

### ADVISORS

**Principal**

Dr. Ramakrishna H

**HOD, BT**

Dr. Veena S More

**Shristi Convener**

Dr. Soumya C

**IEI Convenor**

Dr. Allwin Ebinesar

**Program Co-ordinator**

Dr. Chaitra BS & Prof. Ramya D L

## Valedictory Function

### HANDS ON TRAINING WORKSHOP

**"Animal cell culture and its  
role in Research & Industry"**

#### DURATION:

**21<sup>st</sup> to 25<sup>th</sup> Nov 2022**

Timings: 4:00 pm

Duration: + 00:00



**Resource person:**

**Dr. Gokul Kesavan**

Co-founder & Chief Scientific Officer  
VOWELS



Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



Images:



Fig 1: Vote of thanks to Speaker by Head of the department

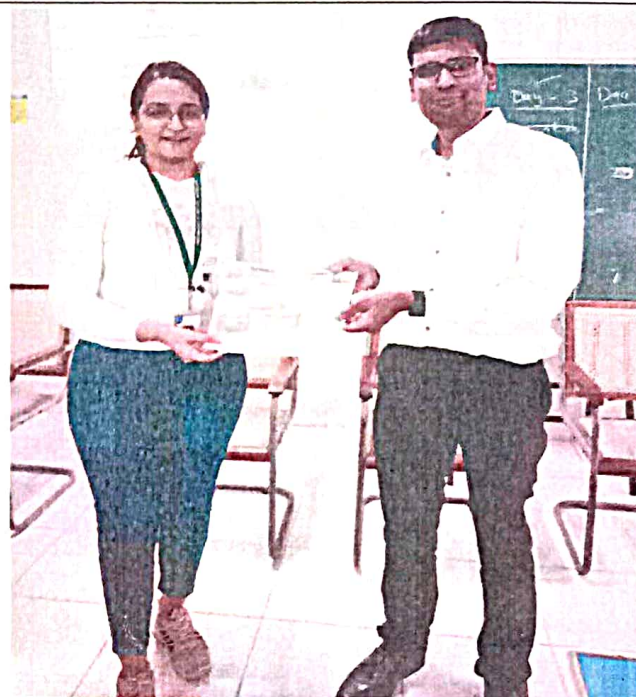


Fig 2: Students receiving the Certificate



Fig 3: Live Interacting sessions at the end



Fig 4: Group photo with the Speaker

*[Handwritten signature]*



Images:



Fig 1: Vote of thanks to Speaker by Head of the department



Fig 2: Students receiving the Certificate



Fig 3: Live Interacting sessions at the end



Fig 4: Group photo with the Speaker





**Fig 4: Resource person Conducting Demonstrating an experiment**

At the end map PO's (with 3/2/1):

P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012
2	2	3	3	-	3	-	-	2	3	-	2

Date of Submission: 28/11/2022

Co-ordinator Signature

Signature of the HOD  
Head of the Department  
Dept. of Bio - Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



16-11-2022

## Circular

Department of Biotechnology is organizing **5 days “Hands on Workshop on Animal Cell Culture and Its Role In Research & Industry”** from 21-11-2022 to 25-11-2022 by Dr. Gokul Kesavan, CSO, VOWELS ASLR –Bengaluru-11 for VII and V Semester students. Course fee per student is Rs. 500/-. Interested students can register your names with Dr. Chaitra B S by paying the amount Rs. 500/-.

  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Ilesaraghatta Main Road  
Bangalore -57





16-11-2022

## Circular

Department of Biotechnology is organizing **5 days “Hands on Workshop on Animal Cell Culture and Its Role In Research & Industry”** from 21-11-2022 to 25-11-2022 by Dr. Gokul Kesavan, CSO, VOWELS ASLR – Bengaluru-11 for VII and V Semester students. Course fee per student is Rs. 500/-. Interested students can register your names with Dr. Chaitra B S by paying the amount Rs. 500/-. Only 40 seats are available.


Cordinators,

Dr. Chaitra B S

Prof. Ramya D L



Head of the Department,  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore-57



Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 017



From:

Dr. Veena S. More

15-11-2022

Professor & Head,

Department of Biotechnology,

SCE, Bengaluru-57

To:

The Principal,

SCE, Bengaluru-57


Sub: Requisition to sanction Rs.3000/- to conduct 5 days "Hands on Workshop on Animal Cell Culture and Its Role In Research & Industry" from 21-11-2022 to 25-11-2022 by Dr. Gokul Kesavan CSO, VOWELS ASLR -Bengaluru-11.

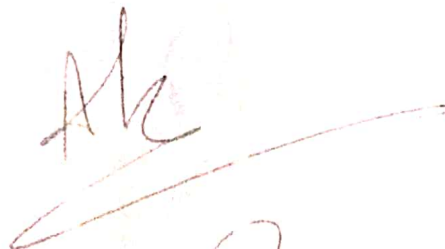
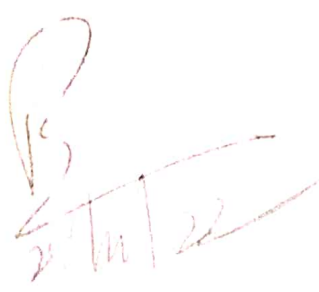

Respected Sir,

With respect to the above subject requesting you to sanction Rs.3000/- to conduct 5 days "Hands on Workshop on Animal Cell Culture and Its Role In Research & Industry" from 21-11-2022 to 25-11-2022 by Dr. Gokul Kesavan, CSO, VOWELS ASLR -Bengaluru-11 Rs.20,000 will be given to VOWELS ASLR -Bengaluru-11 for conducting the workshop which will be collected from the students. Kindly consider the requisition and do the needful.

Thanking You,

Yours faithfully

  
Head of the Department  
Dep (Dof Biotechnology)  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru -57

  
  
  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru -57

**Expenditure of Workshop :**

Bills enclosed.

Sl. No.	Particulars	Amount
1	Bouquet, Flowers	Rs. 170/-
2	Gift	Rs.756/-
3	Coffee, Biscuits	Rs.630/-
4	Certificates	Rs.1525/-
	Total	Rs.3081
5	VOWELS ASLR, Bengaluru	Rs.20,000/-
	Grand Total	Rs.20,381



HOD,BT

Head of the Department  
Dept of Bio Technology  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hasaraghatta Main Road  
Bengaluru - 560 037



Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hasaraghatta Main Road  
Bengaluru - 560 037



S

To Sapthagiri College of engineering

₹20,000

workshop

Split with friends

✓ Completed

Dec 5, 2022 3:59 PM



State Bank of India  
XXXXXX4020



UPI transaction ID

233995657419

To

.... 1464

From: DR. VEENA SUNIL MORE (State Bank of India)

veenasmore@oksbi

Google transaction ID

CICAgJCe-PjuWQ

Powered by

UPI

Principal

Sapthagiri College of Engineering  
1475, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560072

G Pay

**VOWELS ADVANCED SCHOOL OF LEARNING & RESEARCH**  
 NO.271, Radha Kunj, 5th Main Road,  
 Jayanagar 4th Block,  
 Bangalore-560011  
 GSTIN/UIN: 29AAHCV8940J1ZM  
 State Name : Karnataka, Code : 29

Consignee (Ship to)  
**Dr Veena S More**  
 Professor & Head of the Department,  
 Deptt of Biotechnology Engineering,  
 Sapthagiri College of Engineering, #14/5,  
 Chikkasandra, Hessarghatta Main Road  
 Bangalore-560057  
 State Name : Karnataka, Code : 29

Buyer (Bill to)  
**Dr Veena S More**  
 Professor & Head of the Department,  
 Deptt of Biotechnology Engineering,  
 Sapthagiri College of Engineering, #14/5,  
 Chikkasandra, Hessarghatta Main Road  
 Bangalore-560057  
 State Name : Karnataka, Code : 29

Invoice No. <b>3</b>	Dated <b>24-Nov-22</b>
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination

SI No.	Description of Services	HSN/SAC	Quantity	Rate	per	Amount
1	<b>Educational Training Income</b> <b>Output CGST 9%</b> <b>Output SGST 9%</b>					16,949.15 1,525.42 1,525.43
	<b>Total</b>					<b>₹ 20,000.00</b>

Amount Chargeable (in words) **INR Twenty Thousand Only** E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total
		Rate	Amount	Rate	Amount	Tax Amount
	16,949.15	9%	1,525.42	9%	1,525.43	3,050.85
Total	16,949.15		1,525.42		1,525.43	3,050.85

Tax Amount (in words) : **INR Three Thousand Fifty and Eighty Five paise Only**

**Remarks:**  
 HANDS ON WORKSHOP ON ANIMAL CELL CULTURE  
 AND ITS ROLE IN  
 RESEARCH AND INDUSTRY INCLUDING CHEMICALS,  
 REAGENTS AND EQUIPMENTS

**Company's Bank Details**  
 A/c Holder's Name: VOWELS ADVANCED SCHOOL OF LEARNING & RESEARCH  
 Bank Name : ICICI BANK LTD  
 A/c No. : 369305000372  
 Branch & IFS Code: GANDHINAGAR & ICIC0003693  
**for VOWELS ADVANCED SCHOOL OF LEARNING & RESEARCH**

**Declaration**  
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Authorised Signatory



NIDHI XEROX CENTRE

#18, Mount Joy Road, Ganesh Chavan Bus Stop

Hanumantha Nagar, Benapur-560019


Ph-9986523111.948 618131

Email-[prasanna.gowda13386@gmail.com](mailto:prasanna.gowda13386@gmail.com)

for BT

Date \_\_\_\_\_

23/10/22

SL No	PARTICULARS	QUANTITY	RATES	TOTAL
1	Xerox			
2	Colour Printour			
3	Colour Xeorx			
4	B /W Printour			
5	Spiral Binding			
6	Project Binding			
8	Lamination			
9)	Certificates	61	255	15255.00
<p style="text-align: center;">   <b>NIDHI XEROX CENTRE</b>  # 18 Mount Joy Road  Hanumantha Nagar  BENGALURU - 560 019  Ph : 99865281 1 </p>				
				15255.00

NIDHI XEROX CENTRE

# 18 Main 1 Jay Quad

Hanuman na Nagai

BENGALURU 580 019

PH : 99865251 1

**Final**

Southglide College of Engineering

125, Laxmipatnam, Narayana Main Road  
Bangalore - 560 037

Principal  
Santhapuri College of Engineering  
14/5, Chikkasandra, Hassanur Main Road  
Bangalore - 560 027

**Saithagiri College of Engineering**  
14/5, Chikkasandra, Hassan Road  
Bangalore - 560022



**SKILL DEVELOPMENT PROGRAMME- HANDS ON TRAINING WORKSHOP ON:**

**"ANIMAL CELL CULTURE AND ITS ROLE IN RESEARCH & INDUSTRY"**

**MINI PROJECT-"PRIMARY CELL CULTURE FROM CAUDAL FIN EXPLANTS OF ZEBRA FISH"**

**SEM: 7<sup>th</sup> and 5<sup>th</sup>**

**DATE: 21-NOV-2022 to 25-NOV-2022**

Sl. No	Name	USN	Amount paid	signature
1	HARSHITHA R	1SG19BT013	Rs.400/-	<i>Harshitha R</i>
2	KEERTHANA S	1SG19BT017	Rs.400/-	<i>Keerthana S</i>
3	AMULYA SM	1SG19BT005	Rs.400/-	<i>Amulya SM</i>
4	JANANI SRIDHARAN	1SG19BT016	Rs.400/-	<i>Janani</i>
5	P SOWJANYAA	1SG19BT023	Rs.400/-	<i>Sowjanya</i>
6	YASHAS L	1SG19BT042	Rs.400/-	<i>Yashas</i>
7	S K VISHAL	1SG19BT028	Rs.400/-	<i>Vishal</i>
8	TANUSHKA MANTRI	1SG19BT036	Rs.400/-	<i>Tanushka</i>
9	NITYASHREE	1SG19BT022	Rs.400/-	<i>Nityashree</i>
10	PADMINI MURUGESH SINGH	1SG19BT024	Rs.400/-	<i>Padmini</i>
11	PALLAVI GOWDA J	1SG19BT025	Rs.400/-	<i>Pallavi</i>
12	VARSHA C	1SG19BT039	Rs.400/-	<i>Varsha</i>
13	KEERTHI REDDY S	1SG19BT018	Rs.400/-	<i>Keerthi</i>
14	YASHASWINI B R	1SG19BT043	Rs.400/-	<i>Yashaswini</i>
15	AASIMA RIZWANA Y M	1SG19BT001	Rs.400/-	<i>Aasima</i>
16	SOUJANYA S	1SG19BT032	Rs.400/-	<i>Soujanya</i>
17	MEGHASHREE D	1SG19BT019	Rs.400/-	<i>Meghashree</i>
18	VEDHASHREE M	1SG19BT040	Rs.400/-	<i>Vedhashree</i>
19	DEEPTHI K	1SG19BT011	Rs.400/-	<i>Deepthi</i>
20	SAVITHA M	1SG20BT050	Rs.400/-	<i>Savitha</i>
21	SHARON RAJ	1SG20BT051	Rs.400/-	<i>Sharon</i>
22	ALICE JENNIFER	1SG20BT004	Rs.400/-	<i>Alice Jennifer</i>
23	P SWATHI	1SG20BT037	Rs.400/-	<i>Swathi</i>
24	GAYATHRI S	1SG20BT023	Rs.400/-	<i>Gayathri</i>
25	K NARAHARI	1SG20BT027	Rs.400/-	<i>Narahari</i>

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Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road

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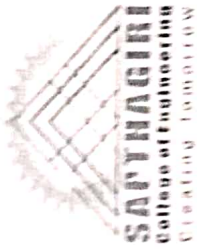
26	PRIYANKA V	1SG20BT041	Rs.400/-	Priyanka V.
27	RAKSHA K	1SG20BT042	Rs.400/-	Raksha K
28	AMOGHAVARSHA G	1SG20BT006	Rs.400/-	Amoghavarsha G
29	SMRITHI B	1SG20BT052	Rs.400/-	Smrithi B
30	DEEPIKA PRAKASH	1SG20BT016	Rs.400/-	Deepika Prakash
31	GANAVI N	1SG20BT022	Rs.400/-	Ganavi N
32	ABDULSAMAD A HAZRATBHAI	1SG20BT002	Rs.400/-	Abdul Samad A Hazratbhai
33	AMINA FARHEEN	1SG20BT005	Rs.400/-	Amina Farheen
34	ASFIA SULTANA	1SG20BT009	Rs.400/-	Asfia Sultana
35	SNEHA D J	1SG19BT031	Rs.400/-	Sneha D J
36	NIKITHA L	1SG19BT021	Rs.400/-	Nikitha L
37	HARSSHITHA JK	1SG19BT014	Rs.400/-	Harsshitha JK
38	DUSHYANTH J	1SG19BT012	Rs.400/-	Dushyanth J
39	SOUKARYA RAHA	1SG19BT033	Rs.400/-	Soukarya Raha
40	MOHAMMED SAQIB	1SG19BT020	Rs.400/-	Mohammed Saqib
41	PUNITKUMAR MATH	1SG19BT026	Rs.400/-	Punitkumar Math
42	ABHISHEK HAZRA	1SG19BT002	Rs.400/-	Abhishek Hazra
43	CHERUKURI DHARA	1SG19BT010	Rs.400/-	Cherukuri Dhara
44	ALOVILI SOM	1SG19BT003	Rs.400/-	Alovili Som
45	IRAM AHMED	1SG19BT015	Rs.400/-	Iram Ahmed
46	BHARATH KUMAR N	1SG19BT008	Rs.400/-	Bharath Kumar N
47	SANJAY K	1SG19BT029	Rs.400/-	Sanjay K
48	AMRUTH C SEKHAR	1SG19BT004	Rs.400/-	Amruth C Sekhar
49	SPANDANA IYER	1SG19BT034	Rs.400/-	Spandana Iyer
50	VIDYASHREE M	1SG19BT041	Rs.400/-	Vidyaashree M
		GRAND TOTAL	Rs. 20,000/-	

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**Head of the Department**  
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 No. 57/1, Chikkasandra





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## SKILL DEVELOPMENT PROGRAME- HANDS ON TRAINING WORKSHOP ON:

"ANIMAL CELL CULTURE AND ITS ROLE IN RESEARCH & INDUSTRY"

MINI PROJECT-"PRIMARY CELL CULTURE FROM CAUDAL FIN EXPLANTS OF ZEBRA FISH"

### ATTENDANCE SHEET

SEM: VII

DATE: 21-NOV-2022 to 25-NOV-2022

Sl. No	Name	USN	DAY 1		DAY 2		DAY 3		DAY 4		DAY 5	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Harshitha.R	15G19BTO13	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	Harshitha.R	AN
2	Keerthana.S	15G19BTO17	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	Keerthana.S	AN
3	Bhavana.N	15G19BTO09	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	Bhavana.N	AN
4	Amulya-S.M.	15G19BTO05	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	Amulya-S.M.	AN
5	Tanani.S	15G19BTO16	Tanani.S	Tanani.S	Tanani.S	Tanani.S	Tanani.S	Tanani.S	Tanani.S	Tanani.S	Tanani.S	AN
6	P.Sowjanya	15G19BTO03	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	P.Sowjanya	AN
7	Yashas.L	15G19BTO02	Yashas.L	Yashas.L	Yashas.L	Yashas.L	Yashas.L	Yashas.L	Yashas.L	Yashas.L	Yashas.L	AN
8	S.K.Vishak	15G19BTO08	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	S.K.Vishak	AN
9	Tanvika.Harini	15G19BTO36	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	Tanvika.Harini	AN
10	Nityashree	15G19BTO02	Nityashree	Nityashree	Nityashree	Nityashree	Nityashree	Nityashree	Nityashree	Nityashree	Nityashree	AN
11	Padmini.Singh	15G19BTO04	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	Padmini.Singh	AN
12	Pallavi.Godda	15G19BTO05	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	Pallavi.Godda	AN

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13	Varsha . C	18G19BT039	Varsha	Varsha	Varsha	Varsha
14	Keerthi Reddy . S	18G19BT018	Keerthi	Keerthi	Keerthi	Keerthi
15	Yashaswini . B . P	18G19BT043	Yashaswini	Yashaswini	Yashaswini	Yashaswini
16	Arasima . Rizwana . YH	18G19BT001	Arasima	Arasima	Arasima	Arasima
17	Sanjanya . S	18G19BT032	Sanjanya	Sanjanya	Sanjanya	Sanjanya
18	Megha snee . D .	18G19BT019	Megha snee	Megha snee	Megha snee	Megha snee
19	Vedha snee . H	18G19BT040	Vedha snee	Vedha snee	Vedha snee	Vedha snee
20	Deepthi . K	18G19BT011	Deepthi	Deepthi	Deepthi	Deepthi
21	Sneha . D . J	18G19BT031	Sneha	Sneha	Sneha	Sneha
22	Nikitha . L	18G19BT021	Nikitha	Nikitha	Nikitha	Nikitha
23	Hareeshitha . JK	18G19BT014	Hareeshitha	Hareeshitha	Hareeshitha	Hareeshitha
24	Dushyanth . J	18G19BT012	Dushyanth	Dushyanth	Dushyanth	Dushyanth
25	Soukanya . Raha	18G19BT033	Soukanya	Soukanya	Soukanya	Soukanya
26	Mohammed Saqib	18G19BT020	Mohammed	Mohammed	Mohammed	Mohammed
27	Purthiyman . V	18G19BT026	Purthiyman	Purthiyman	Purthiyman	Purthiyman
28	Abhishek Hazara	18G19BT002	Abhishek	Abhishek	Abhishek	Abhishek
29	Churukuri . Dhara	18G19BT010	Churukuri	Churukuri	Churukuri	Churukuri
30	Alorili . Sone	18G19BT003	Alorili	Alorili	Alorili	Alorili
31	Tram . Ahmed	18G19BT005	Tram	Tram	Tram	Tram
32	Bharath Kumar . N	18G19BT008	Bharath	Bharath	Bharath	Bharath
33	Sanjay . K	18G19BT029	Sanjay	Sanjay	Sanjay	Sanjay
34	Arasima . Rizwana . YH	18G19BT001	Arasima	Arasima	Arasima	Arasima
35	Anuritha . C . Sekhar	18G19BT004	Anuritha	Anuritha	Anuritha	Anuritha





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### ANIMAL CELL CULTURE AND ITS ROLE IN RESEARCH & INDUSTRY

#### MINI PROJECT-"PRIMARY CELL CULTURE FROM CAUDAL FIN EXPLANTS OF ZEBRA FISH"

#### ATTENDANCE SHEET

SEM: V

DATE: 21-NOV-2022 to 25-NOV-2022

Sl. No	Name	USN	DAY 1		DAY 2		DAY 3		DAY 4		DAY 5	
			Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon
1	SAVITHA.M	15G20BTD50	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri	Sapthagiri
2	SHARON RAJ	15G20BTD51	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
3	AJICE JENNIFER	15G20BTD04	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
4	P. SWATHI	15G20BTD33	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
5	Gracythina.S	15G20BTD03	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
6	K.NARAHARI	15G20BTD02	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
7	Priyanka.V	15G20BTD41	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
8	Raksha.K	15G20BTD42	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
9	Anandharaman	15G20BTD66	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
10	Shruthi.H	15G20BTD52	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
11	Deepika.P	15G20BTD6	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon
12	Ganavi.N	15G20BTD2	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon	Sharon

CO-ORDINATOR:

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Synthesis Center of Engineering  
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Department-57

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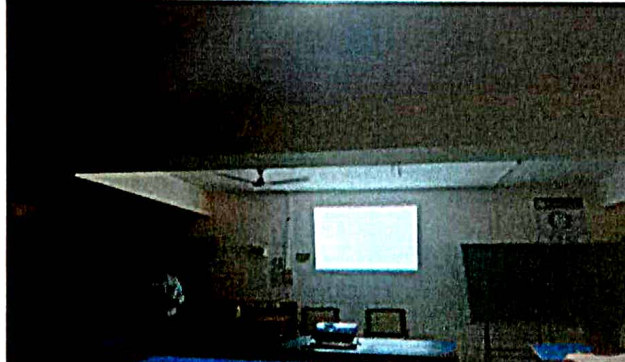
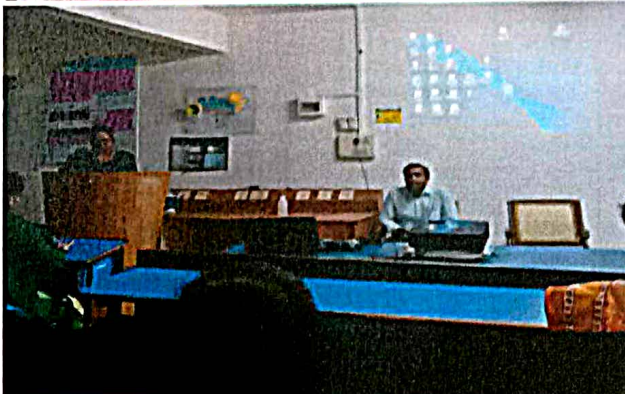
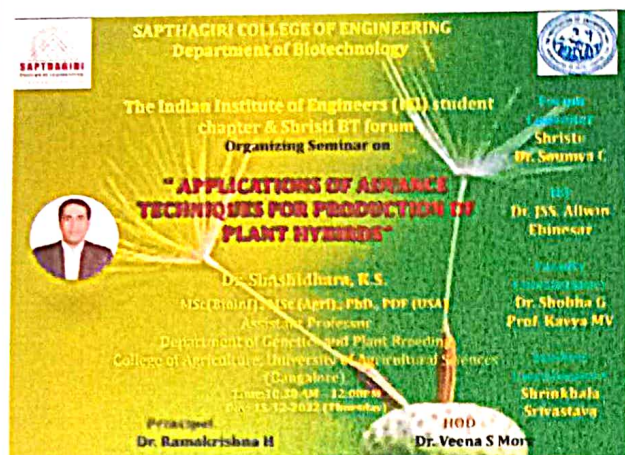
CO-ORDINATOR

AY: 2022-2023  
2022-EVEN

Type of event/activity	Expert Talk/ Seminar
Name/Title of the Activity/Event	Applications Of Advance Techniques For Production Of Plant Hybrids
Date of Organization	15/12/2022
Venue (with address)	Microbiology LAB
Organized by	Faculty Co-ordinators: Dr. Shobha G Prof Kavya MV
Objectives of the event/activity	<ul style="list-style-type: none"> <li>Plant Breeding Process</li> <li>Construction of transgenic plant</li> </ul>
Participants (Please attach list of participants, if it is organized/conducted in the dept.))	<ul style="list-style-type: none"> <li>60+ participants</li> </ul>
Mention organized /participated/attended	<ul style="list-style-type: none"> <li>Organized</li> </ul>
<b>Event Description:</b> <p>The Department of Biotechnology organized a webinar for Seventh and Fifth semester Students on <b>APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBRIDS</b>, 15<sup>th</sup> December 2022 at 10:30am to 12:00pm. The session was addressed by <b>Dr. Shashidhara K.S., MSc (Bioinformatics), MSc (Agriculture), PhD., PDF (USA), Assistant Professor, Department of Genetics and Plant Breeding College of Agriculture, University of Agricultural Sciences (Bangalore)</b>. The aim of the webinar was provide knowledge of Plant breeding process, Mutations in Plants and Apomixis and recent research and advancements in plant breeding. Speaker focused on various plant breeding techniques by taking wheat, sugarcane, maize as examples. The speaker emphasized on the Importance of Hybrids in the current Indian Agricultural scenario. He described about the major disadvantages of plant breeding and its limitation. Asexual reproduction by means of apomixis and its application. Various other concepts like Parthenogenesis, Apogamy and Polyploidy were illustrated.</p> <p>A discussion between the students and speaker let to the concept of various methods of plant</p>	



breeding, mode of reproduction in plants and their variations.



Snapshot of the Seminar



AY: 2022-2023  
2022-EVEN

**Note:** At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	2	-	-	-	2	2	2	-	-	1	2

**Feedback:**

Timestamp	Name of the Participant	Email ID	Semester	The session delivered the information I expected to receive?	The subject matter was presented effectively?	The pace of the lecture was satisfactory?	Whether the duration of the lecture was sufficient for the content delivered?	How would the rate the speaker's domain knowledge?	Was the session useful and informative?	Any other suggestions
12/19/2022 12:47:18	Vidya Shree J	vidyashreej29@gmail.com	7th	5	4	4	5	4	5	No
12/19/2022 12:47:36	Aishwarya BL	aishwarya0109blya@gmail.com	5	2	2	3	1	2	2	
12/19/2022 12:47:44	Alice Jennifer	alicejennifer2001@gmail.com	5	5	5	5	5	5	5	
12/19/2022 12:47:52	Chetan Kaginele	kaginellichetan@gmail.com	5th	5	5	5	5	5	5	
12/19/2022 12:48:00	Keerthana S	keerthishankar2001@gmail.com	7	5	5	5	5	5	5	
12/19/2022 12:48:21	HARSHITHA R	harshitharadhakrishna27@gmail.com	7th	5	5	5	5	5	5	No
12/19/2022 12:48:23	A Trinayani Reddy	annapareddytrinayani@gmail.com	5th	5	5	5	5	5	5	
12/19/2022 12:48:23	Savitha M	savithamariyappan2003@gmail.com	5th sem	4	4	4	5	5	5	
12/19/2022 12:48:31	Namita Krishnakumar	nkoff223@gmail.com	5th sem	5	4	5	5	5	5	
12/19/2022	Bharath	bharathappu1353@gmail.com	7	5	5	5	5	5	5	



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**Department of Biotechnology**

AY: 2022-2023  
2022-EVEN

12:48:33	Kumar N										
12/19/2022 12:48:55	P Swathi	swathiraj0902@gmail.com	5	5	5	5	5	5	5		
12/19/2022 12:49:17	Harsshitha JK	harsshithajk@gmail.com	7	4	4	4	4	4	4	Nothing	
12/19/2022 12:49:34	Yashas L	lyashgowda@gmail.com	7th	5	5	5	5	5	5		
12/19/2022 12:49:40	Aasima Rizwana Y M	way2muskan5@gmail.com	7th	4	5	4	5	5	5	It was good	
12/19/2022 12:49:50	Sneha dj	Snehadj25@gmail.com	7	4	4	4	3	4	4		
12/19/2022 12:49:55	Harshitha Reddy G	harshithareddy05@gmail.com	5	5	5	5	5	5	5	Nothing	
12/19/2022 12:50:26	Pooja M	poojamariswamy@gmail.com	5	4	4	4	4	4	4		
12/19/2022 12:50:40	J joylynngace	Joy360073@gmail.com	5	4	4	4	4	4	4	Nothing	
12/19/2022 12:50:42	Khushi Bhavani K Singh	Khushi29082002yashas@gmail.com	5th	5	5	5	5	5	5	No	
12/19/2022 12:50:56	Sneha dj	Snehadj25@gmail.com	7	4	4	4	3	4	4		
12/19/2022 12:51:11	Kruthi J	Kruthiuj8@gmail.com	5th	4	4	4	4	4	4	None	
12/19/2022 12:51:34	Nikitha L	nikitha.lsinthe@gmail.com	7	5	5	5	5	5	5	Good	
12/19/2022 12:52:08	Gayathri S	slgayathri12@gmail.com	5	4	5	4	5	4	5	No	
										The session was useful and it helped in both academic and general knowledge understanding of the top	
12/19/2022 12:52:24	Amruth C Sekhar	amruthcsekhar@gmail.com	7th	2	2	1	2	1	1		
12/19/2022 12:53:09	Suraj Pratap Singh	surajpratapsingh107@gmail.com	7th	5	5	5	5	5	5		

AY: 2022-2023  
2022-EVEN

12/19/2022 12:54:01	Nitheesh Shivakumar	nitheesh.shivakumar.2002@gmail.com	5	4	4	4	4	5	5
12/19/2022 13:34:15	Shrinkhala Srivastava	shrinki004@gmail.com	7th	5	5	5	5	5	5

Date of Submission: 21/12/2023


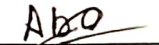
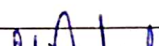



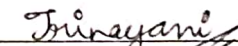

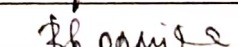
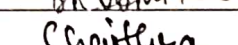
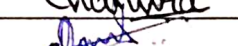
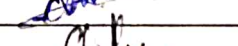
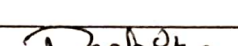
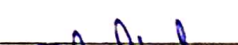
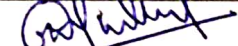

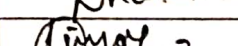

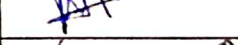
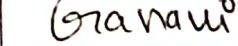

Co-ordinator Signature

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Head of the HOD  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57



**APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBRIDS**  
**ATTENDANCE** Day: 15-12-2022 (Thursday)

Sl.NO	USN	FIFTH SEMESTER STUDENTS NAME	SIGNATURE
1	1SG20BT001	AASTHA ROY	
2	1SG20BT002	ABDULSAMAD A HAZRATBHAI	
3	1SG20BT003	AISHWARYA BL	
4	1SG20BT004	ALICE JENNIFER	
5	1SG20BT005	AMINA FARHEEN	
6	1SG20BT006	AMOGHAVARSHA G	
7	1SG20BT007	ANANYA B S	
8	1SG20BT008	ANNAPAREDDY TRINAYANIREDDY	
9	1SG20BT009	ASFIA SULTANA	
10	1SG20BT010	BHOOMIKA B V	
11	1SG20BT011	CHAITHRA SHREE A	
12	1SG20BT012	CHETAN KAGINELLI	
13	1SG20BT013	CHETHANA R	
14	1SG20BT014	DANUSH P	
15	1SG20BT015	DEEKSHITHA M	
16	1SG20BT016	DEEPIKA PRAKASH	
17	1SG20BT017	DEEPTHI P M	
18	1SG20BT018	DHANUSH HALLIKAR S	
19	1SG20BT019	DHARANI G	
20	1SG20BT020	DIVYA K N	
21	1SG20BT021	G L NIKHIL KUMAR REDDY	
22	1SG20BT022	GANAVI N	
23	1SG20BT023	GAYATHRI S	
24	1SG20BT024	HARSHITHA REDDY G	
25	1SG20BT025	JJOYLYNN GRACE	

Signature of EXIST Coordinator

Principal

Head of the Department  
Signature of HOD  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru-57

Ay: 2022-2023  
2022-ODD

**DEPARTMENT OF BIOTECHNOLOGY**

**APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBRIDS**  
**ATTENDANCE** Day: 15-12-2022 (Thursday)

26	1SG20BT027	K NARAHARI	
27	1SG20BT028	KANGAN M	
28	1SG20BT029	KHUSHI BHAVANI K SINGH	
29	1SG20BT030	KRUTHI J	
30	1SG20BT031	NAMITA KRISHNAKUMAR	
31	1SG20BT033	NESARA M	
32	1SG20BT034	NIRANJAN M	
33	1SG20BT035	NISCHITHA K S	
34	1SG20BT036	NITHEESH S	
35	1SG20BT037	P SWATHE	
36	1SG20BT038	POOJA M	
37	1SG20BT039	PRATHIKSHA GS	
38	1SG20BT040	PRAVALIKA KV	
39	1SG20BT041	PRIYANKA V	
40	1SG20BT042	RAKSHA K	
41	1SG20BT043	RAKSHA S	
42	1SG20BT044	RAKSHITH R	
43	1SG20BT045	RANJITHA C M	
44	1SG20BT046	RUMANA BANU	
45	1SG20BT047	S N MEGHA MCURRYA NANDAN	
46	1SG20BT048	SANGEETHA M M	
47	1SG20BT049	SANJANA S S	
48	1SG20BT050	SAVITHA M	
49	1SG20BT051	SHARON RAJ	
50	1SG20BT052	SMRITHI B	
51	1SG20BT053	SUDIKSHA K KUMAR	
52	1SG20BT054	SUSHMA S	

Signature of DEPT Coordinator

Principal

Signature of HOD

Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hosaraghatta Main Road  
Bangalore - 560 057





**SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57**  
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
An ISO 9001:2015 and 14001:2015 Certified Institution  
Accredited by NAAC -A GRADE

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
Web: [www.sapthagiri.edu.in](http://www.sapthagiri.edu.in), Email: [principal@sapthagiri.edu.in](mailto:principal@sapthagiri.edu.in)  
Phone:080-28 372800/1/2 Fax: 080-28 372797

Ay: 2022-2023  
2022-ODD

**DEPARTMENT OF BIOTECHNOLOGY**

**APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBIRDS**

**ATTENDANCE**

**Day: 15-12-2022 (Thursday)**

53	1SG20BT055	SWATHI BHARADWAJ R	<i>Swathi</i>
54	1SG20BT056	TANU KUMAR C	
55	1SG20BT057	UPPUTURI JAHNAVI	<i>Jahnavi</i>
56	1SG20BT058	VAMSHITHA R SHETTY	<i>Vams</i>
57	1SG20BT059	VARSHITHA N R	<i>Varshitha</i>
58	1SG20BT060	VARUN S	<i>Varun</i>
59	1SG20BT061	VIBHA SAMARTHA	<i>Vibha</i>

Signature of EVS Coordinator

Principal

**Sapthagiri College of Engineering**  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Head of the Department  
Signature of HOD  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru - 560 057

**APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBRIDS**  
**ATTENDANCE** Day: 15-12-2022 (Thursday)

Sl.NO	USN	SEVENTH SEMESTER	
		STUDENTS NAME	SIGNATURE
1	1SG19BT001	AASIMA RIZWANA Y M	
2	1SG19BT002	ABHISHEK HAZRA	
3	1SG19BT003	ALOVILI SOM	
4	1SG19BT004	AMRUTH C SEKHAR	
5	1SG19BT005	AMULYA SM	
6	1SG19BT006	ANUSHKA AJAY SONONE	
7	1SG19BT008	BHARATH KUMAR N	
8	1SG19BT009	BHAVANA N	
9	1SG19BT010	CHERUKURI DHARA	
10	1SG19BT011	DEEPTHI K	
11	1SG19BT012	DUSHYANTH J	
12	1SG19BT013	HARSHITHA R	
13	1SG19BT014	HARSSHITHA JK	
14	1SG19BT015	IRAM AHMED	
15	1SG19BT016	JANANI SRIDHARAN	
16	1SG19BT017	KEERTHANA S	
17	1SG19BT018	KEERTHI REDDY S	
18	1SG19BT019	MEGHASHREE D	
19	1SG19BT020	MOHAMMED SAQIB	

Signature of EVENT Coordinator

15/12/22



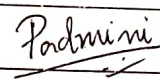
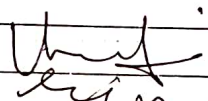
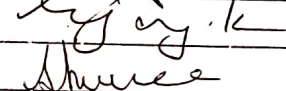
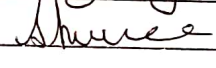
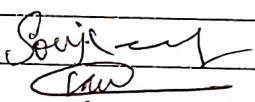
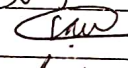
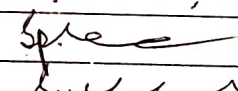
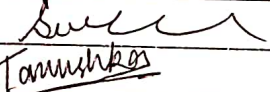
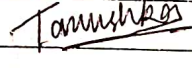
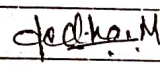
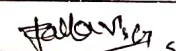
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Signature of HOD

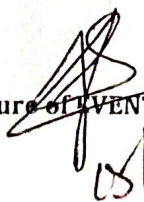
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru - 560 057




**APPLICATIONS OF ADVANCE TECHNIQUES FOR PRODUCTION OF PLANT HYBRIDS**  
**ATTENDANCE**  
Day: 15-12-2022 (Thursday)

20	1SG19BT021	NIKITHA L	
21	1SG19BT022	NITYASHREE	
22	1SG19BT023	P SOWJANYAA	
23	1SG19BT024	PADMINI MURUGESH SINGH	
24	1SG19BT025	PALLAVI GOWDA J	
25	1SG19BT026	PUNITKUMAR MATH	
26	1SG19BT027	ROHINI B N	
27	1SG19BT028	S K VISHAL	
28	1SG19BT029	SANJAY K	
29	1SG19BT030	SHRINKHALA SRIVASTAVA	
30	1SG19BT031	SNEHA D J	
31	1SG19BT032	SOUJANYA S	
32	1SG19BT033	SOUKARYA RAHA	
33	1SG19BT034	SPANDANA IYER	
34	1SG19BT035	SURAJ PRATAP SINGH	
35	1SG19BT036	TANUSHKA MANTRI	
36	1SG19BT037	VAISHNAVI R	
37	1SG19BT038	VANDANA V	
38	1SG19BT039	VARSHA C	
39	1SG19BT040	VEDHASHREE M	
40	1SG19BT041	VIDYASHREE J	
41	1SG19BT042	YASHAS L	
42	1SG19BT043	YASHASWINI B R	
43	1SG19BT044	PALLAVI G	


Signature of EVENT Coordinator

  
05/12/22

Principal

  
Sapthagiri College of Engineering  
#14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Head of the Department  
Dept. of Bio-Technology

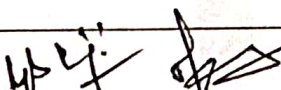
  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore - 57




AY:2022-2023  
2022- ODD

**SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57**  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
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**DEPARTMENT OF BIOTECHNOLOGY**

Type of event/activity	Industrial Visit
Name/Title of the Activity/Event	Industrial Visit
Date of Organization	15/02/2023 (Wednesday)
Venue (with address)	Jindal Nature Care Institute, Tumkur Main Road, JNI Rd, Jindal Nagar, Maruti Layout, Aanchepalya Village, Bengaluru, Karnataka 560073
Organized by	Faculty Co-ordinator: Dr. Gouri Mirji and Prof Kavya M V
Objectives of the event/activity	Bridge the gap between theory and Practical Techniques of organic farming, sewage treatment process
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	<ul style="list-style-type: none"><li>38 participants</li></ul>
Mention organized /participated/attended	<ul style="list-style-type: none"><li>Organized</li></ul>
<b>Event Description:</b> <p>Jindal Nature Cure Institute is a leading naturopathy hospital which has been established for prevention and cure of chronic diseases through detoxification of the body and modification of lifestyle, with a holistic approach. Jindal Nature cure Institute has pioneered in modern drugless healthcare in India.</p> <p>The Department of Biotechnology organized Industrial Visit for third semester students to Jindal Nature Cure Institute On 15/02/2023 at 10.00am to 1:00pm.</p> <p>Mr Sridhar Hegde, Water Treatment Plant incharge explained about RO unit of the institute. The complete information of working of RO unit and water supply to different sections of institute was given. Later the students were allowed to observe sewage treatment unit. Different processes such as Filtration, aeration, sedimentation units were explained. Lastly collection and drying sludge and its usage as manure was shown to students.</p>	

  
Signature of Faculty Convener

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

  
Signature of HOD  
Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57





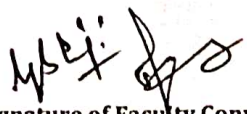
AY:2022-2023  
2022- ODD

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**DEPARTMENT OF BIOTECHNOLOGY**

Mr Bhopal Gowda, Vermicompost section incharge gave detailed explanation about production of vermicompost.Steps in the production of vermicompost such as Collection of organic waste in the pits, addition of earth worms, maintenance of temperature and regular aeration was explained in detail to the students.


Dr Vindhya,Health Meuseum incharge explained different systems of our body with the models.Students gained knowledge of different yogasanas and their benefits. Naturopathy treatments for curing diseases were explained such as steam bath, shirodhara, mud bath.

A discussion was arranged at the end of the visit to clarify the doubts. The student interact with the research associates to clarify their doubts

  
Signature of Faculty Convener

  
Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

  
Signature of HOD  
Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57



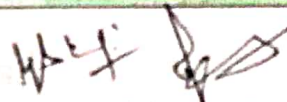


AY:2022-2023  
2022- ODD


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**DEPARTMENT OF BIOTECHNOLOGY**

Snapshots of the VISIT



  
Signature of Faculty Convener

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

  
Head of Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road





**Note:** At the end map PO's (with 3/2/1):


PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	1	-	-	-	2	2	2	-	-	1	2


### Faculty Incharge

1. Dr. Gouri Mirji
2. Prof. Kavya M V

Date of Submission: 20-02-2023

  
Signature of Faculty Convener

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

  
Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road

From:

14-02-2023

Dr. Veena S. More,  
Dept. of Biotechnology,  
SCE, Bengaluru-57.

To:

The Principal,  
SCE, Bengaluru-57

Sub: Permission to visit Jindal Nature Cure Institute, Bengaluru for 3<sup>rd</sup> Semester students on 15-02-2023 and to provide the Bus facility from the College.

Respected Sir,

With respect to the above subject, kindly permit to visit Jindal Nature Cure Institute, Bengaluru for 3<sup>rd</sup> semester students on 15-02-2023 and to provide the Bus facility from the College. Students are supposed to be there in the Jindal Nature Cure Institute campus by 10.00 a.m. Kindly do the needful.

Permission letter enclosed.

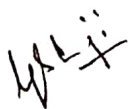
No of students: 46

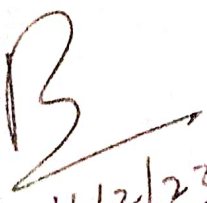
Faculty Incharge: 2

Yours faithfully,



(Dr. Veena S. More)  
Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57

  
Dr. Gouri Mirje  
Coordinator

  
14/2/23  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 057





Gouri MIRJI <gourimirji\_bt@sapthagiri.edu.in>

## Regarding visit to sewage treatment plant, organic farming ,vermicomposting, health museum.

2 messages

Gouri MIRJI <gourimirji\_bt@sapthagiri.edu.in>  
To: pro.sujaya@jindalnaturecure.org  
Cc: hodbt@sapthagiri.edu.in

Sat, Feb 11, 2023 at 12:10 PM

Sir/Madam,

We wish to undertake an industrial visit at your esteemed institute on 14/01/2023 or 15/01/2023 , to acquire practical knowledge in sewage treatment, organic farming ,and vermicomposting .Our academic curriculum focuses on engaging students in practical experiences to observe the implementation of what they are taught in theory .A group of III sem , 46 students and faculty members intend to participate in this industrial visit. Kindly request to make arrangements for a tour in the relevant departments in your company.

--

Thanks and Regards

Dr. Gouri Mirji

Assistant Professor

Dept. of Biotechnology

SCE, Bengaluru - 57

Sujaya Prabhu <pro.sujaya@jindalnaturecure.org>  
To: Gouri MIRJI <gourimirji\_bt@sapthagiri.edu.in>  
Cc: hodbt <hodbt@sapthagiri.edu.in>

Mon, Feb 13, 2023 at 5:38 PM

Der Madam

Withs reference to your trialing mail, you are allowed to visit our campus on 15-2-2023 at 10.00am . W will show the facilities in two batches as we do not want to to crowd the place.



Warm Regards,  
**Sujaya Prabhu**  
Public Relations Officer

**JINDAL NATURECURE INSTITUTE**

M: + 91-9449631441 T: 080-2371-7777

www.JindalNaturecure.in f @ t in v

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hazara Road Main Road  
Bengaluru, Karnataka

**List of III semester Students-Industrial Visit to "Jindal Nature Cure Institute,Bengaluru"**

SI No.	Name	USN	Signature
✓ 1	AISHWARYA LOMTE	1SG21BT001	Aishwarya Lomte
✓ 2	AKASH V DESAI	1SG21BT002	Akash V Desai
✓ 3	AKSHITHA S	1SG21BT003	Akshitha S
✓ 4	ANJANA G	1SG21BT004	Anjana G
✓ 5	ANUSHA H P	1SG21BT005	Anusha H P
✓ 6	ANUSHA N RAJU	1SG21BT006	Anusha N Raju
✓ 7	BINDHUSHREE A	1SG21BT007	Bindhushree A
✓ 8	CHAITRA P	1SG21BT008	Chaitra P
✓ 9	DARSHAN P	1SG21BT009	Darshan P
✓ 10	DEEKSHITH GOWDA	1SG21BT010	Deekshith Gowda
11	DEEPTHI M	1SG21BT011	Deepti M
12	G PALLAVI	1SG21BT012	G Pallavi
13	GUNASHREE S	1SG21BT013	Gunashree S
14	HEMANTH KUMAR D	1SG21BT014	Hemant Kumar D
15	HEMANTH KUMAR T	1SG21BT015	Hemant Kumar T
16	JANAVI R	1SG21BT016	Janavi R
17	KAVANA K O	1SG21BT017	Kavana K O
18	KRISHNA TEJA	1SG21BT018	Krishna Teja
19	LAKSHMINARASIMHA C	1SG21BT019	Lakshminarasimha C
20	LAXMI KASHAPPA GADAGIN	1SG21BT020	Laxmi Kashappa Gadagin
21	LEONDER RAFFAEL CLEMENTS	1SG21BT021	Leonder Raffael Clements
22	MADHURA H K	1SG21BT022	Madhura H K
23	MANJESH GOWDA NK	1SG21BT023	Manjesh Gowda NK
24	NANDAN R BARADE	1SG21BT024	Nandan R Barade
25	NANDINI S	1SG21BT025	Nandini S
26	NAVANISH SAI VIKRAM	1SG21BT026	Navanish Sai Vikram
27	NIKHITHA SARIKA GOWDA M S	1SG21BT027	Nikhitha Sarika Gowda M S
28	POOJASHREE S J	1SG21BT028	Poojashree S J
29	PUNITH N	1SG21BT029	Punith N
30	R ANITHA	1SG21BT030	R Anitha
31	ROHAN S ANDEWADI	1SG21BT031	Rohan S Andewadi
32	SANJANA L	1SG21BT032	Sanjana L
33	SHARATH N	1SG21BT033	Sharath N
34	SHILPA EJ	1SG21BT034	Shilpa EJ
35	SHRINIDHI V	1SG21BT035	Shrinidhi V





# SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

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

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

An ISO 9001:2015 and 14001:2015 Certified Institution

Accredited by NAAC -A GRADE

AY 2022-23 ODD

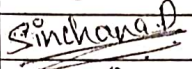
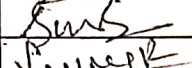
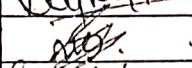
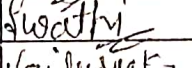
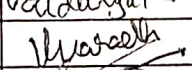
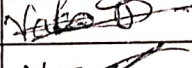
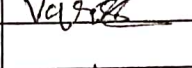




## DEPARTMENT OF BIOTECHNOLOGY



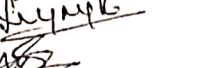
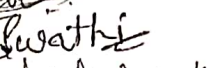
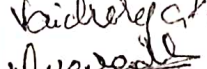
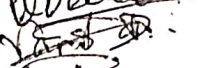
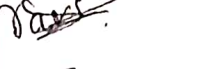

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37	SINDHU VM	ISG21BT037		
38	SRINIVASAN R	ISG21BT038		
39	SUSANNA CATHERINE F	ISG21BT039		
40	SWATHI MP	ISG21BT040		
41	VAIDURYA KEERTHI	ISG21BT041		
42	VARADHAJITH M	ISG21BT042		
43	VARSHA M	ISG21BT043		
44	VARSHINI R PRASAD	ISG21BT044		
45	VIJAY KUMAR H M	ISG21BT045		
46	VISMAYA L	ISG21BT046		

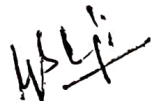
Faculty Coordinator

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore - 57

Sl No.	Name	USN	Signature
36	SINCHANA D	ISG21BT036	
37	SINDHU VM	ISG21BT037	
38	SRINIVASAN R	ISG21BT038	
39	SUSANNA CATHERINE F	ISG21BT039	
40	SWATHI M P	ISG21BT040	
41	VAIDURYA KEERTHI	ISG21BT041	
42	VARADHAJITH M	ISG21BT042	
43	VARSHA M	ISG21BT043	
44	VARSHINI R PRASAD	ISG21BT044	
45	VIJAY KUMAR H M	ISG21BT045	
46	VISMAYA L	ISG21BT046	



Faculty Coordinator



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Head of the Department  
HOD, BT  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57



Timestamp	Name of the student	USN	The visit delivered the inf	Was the visit useful and i	Enhancement in skills	Overall feedback
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2/21/2023 12:31:27	Anusha H P	1SG21BT005	5	5	5	5
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2/21/2023 12:33:24	Madhura.H.K	1SG21BT022	5	5	5	5
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2/21/2023 13:32:17	Sanjana L	1SG21BT032	5	5	5	5
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2/21/2023 23:04:45	Leonder Raffael Clement	1SG21BT021	5	5	5	5
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2/22/2023 14:11:19	Nandan R Barade	1SG21BT024	5	5	5	5

UPV  
Coordinators.

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bangalore - 560 057

Head of IT Department  
Dept. of Bio - Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore - 57

*Type of event/activity	Webinar
Name/Title of the Activity/Event	National Education Day 2022 "Changing Course, Transforming education"
Date of Organization	Feb 21 <sup>st</sup> 2023
Venue (with address)	Seminar hall
Resource Person	Dr Farhan Zameer Chief Scientific Officer Pathogutomic Laboratory, ATMA Research Centre Alva's Ayurveda Medical College ,Moodubidire, Karanataka
Objectives of the event/activity	National Education Day is celebrated in schools annually by spreading awareness about the importance of education. Indian system of Education
Participants (Please attach list of participants, if it is organized/conducted in the dept.)	BT Students
Organized By	Dr Soumya C/Prof. Kavya M V Assistant Professor, Biotechnology Department

**Event Description:**

Webinar was conducted to celebrate, the National Education Day 2022 theme is "Changing Course, Transforming Education." The theme is set this year to highlight the urgent need to reform the Indian education system as per the current requirements for all the Students of Department of Biotechnology, Sapthagiri College of Engineering, Bangalore on 21<sup>st</sup> February 2023. The following topics were discussed in the sessions:-

- National Education Day of India has been celebrated every year since 2008 on November 11 on the occasion of Maulana Abul Kalam Azad birth anniversary, the first education minister of independent India who served from 15 August 1947 to 2 February 1958.

Signature of Faculty Convener

Signature of HOD

Principal

Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57





AY:2022-2023  
2022- ODD

**SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57**  
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057  
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**DEPARTMENT OF BIOTECHNOLOGY**

- Indian Education system
- Human Resource Development

Students and teachers come together to share the importance of literacy and the country's commitment to all aspects of education.

**Brochure of Webinar:**

The brochure is for a webinar titled "Changing Course, Transforming education" held on February 21, 2023, at 11:00 AM. It is organized by Sapthagiri College of Engineering, Department of Biotechnology, in collaboration with The Institute of Engineers (India) Student Chapter & Institution Innovation Council, SCE. The webinar is presented by Dr. Farhan Zameer, Chief Scientific Officer at Pathogutomic Laboratory, ATMA Research Centre, Alva's Ayurveda Medical College, Moodubidire, Karnataka. The brochure also lists the conveners and faculty members involved in the event.

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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

**DEPARTMENT OF BIOTECHNOLOGY**

**The Institute of Engineers (India) Student Chapter & Institution innovation Council, SCE**

**A webinar on**

**National Education Day 2022**

**"Changing Course, Transforming education"**

**By**

**Dr Farhan Zameer**  
Chief Scientific Officer  
Pathogutomic Laboratory, ATMA Research Centre  
Alva's Ayurveda Medical College, Moodubidire, Karnataka

**Varadhajith M**  
**Bindushree A**  
Student  
Coordinator

**Shri. G Dayanand**  
Chairman, SCE

**Shri. G D Manoj**  
Executive Director, SCE

**Dr. Chaitra B S**  
IEI Convener

**Dr Soumya C**  
**Prof. Kavya M V**  
Faculty Coordinator

**Dr. Veena S More**  
HOD, BT

**Dr. H Ramakrishna**  
Principal

Signature of Faculty Convener

Principal

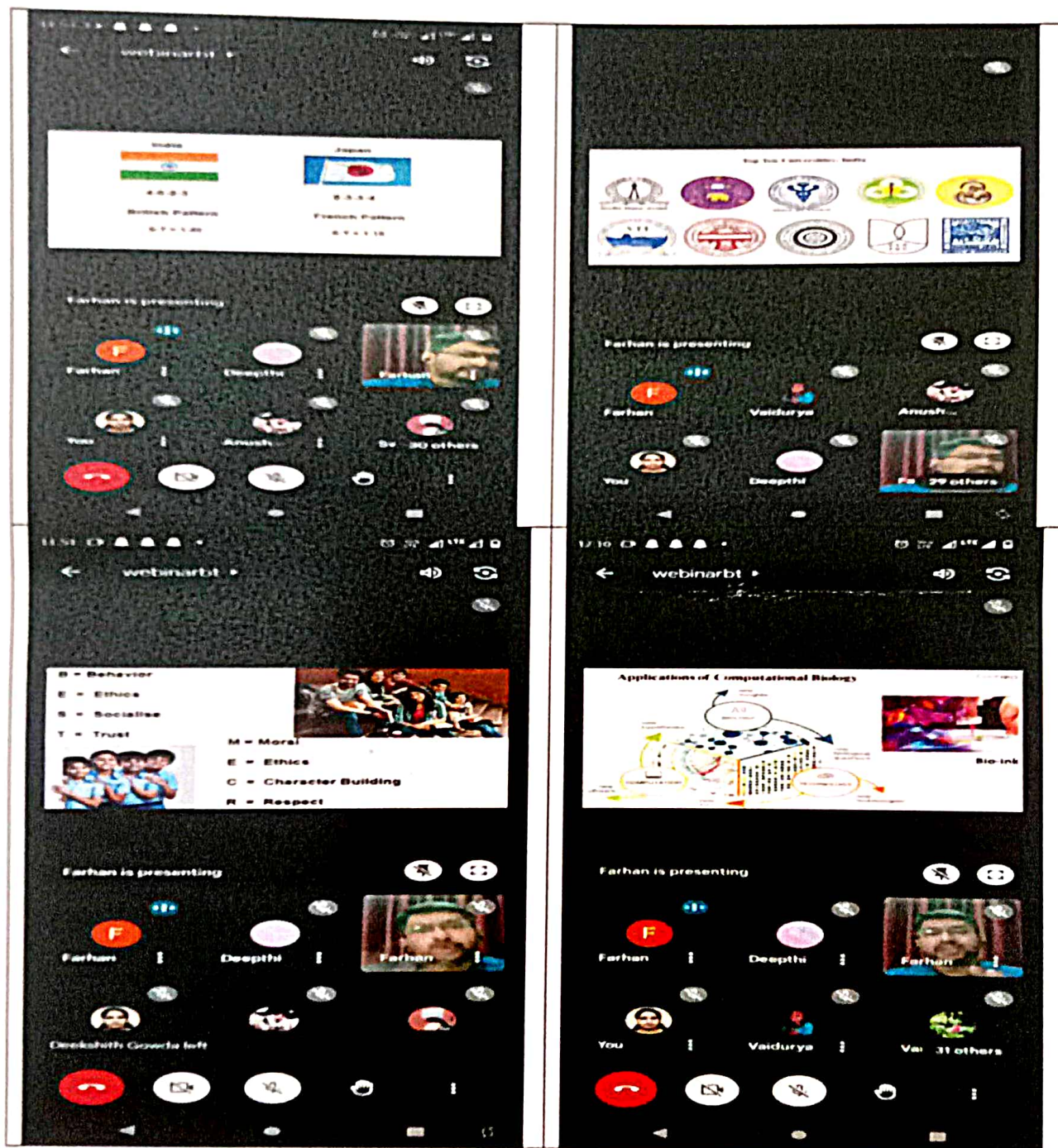
Sapthagiri College of Engineering,  
14/5, Chikkasandra, Hesaraghatta Main Road,  
Bengaluru - 560 057


Signature of HOD

Head of the Department  
Dept. of Bio-Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road




Images:



  
Signature of Faculty Convener

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru- 560 057

  
Head of Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bengaluru- 560 057



**Note:**

(i) At the end map PO's (with 3/2/1):

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	3	3	2	-	3	2	-			1	1

\*Type of activity:

Workshop/seminar/conference/hackathon/hobby project/mini project/ Invited  
Talk/Guest Lecture/ Skill enhancement program/Cultural activity/competitions etc.,

**Faculty Incharge**

1. Dr. Soumya C
2. Prof. Kavya M V

Date of Submission: 25-02-2023

Signature of HOD, BT

  
Signature of Faculty Convener

  
Principal  
Sapthagiri College of Engineering  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057

  
Signature of HOD  
Head of the Department  
Dept. of Bio -Technology  
Sapthagiri College of Engineering  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057

*Type of event/activity	Expert Talk
Name/Title of the Activity/Event	Downstream processing involved in biotechnology industry
Speaker Information	Ms. Debika Chakrabarty, Research Associate, Phyx44 Labs Private Ltd.
Date of Organization	06- May- 2023
Venue (with address)	Department of Biotechnology (SCE)
Organized by	Faculty coordinator: Dr. Shobha G and Dr. Chaitra B S
Participants	56 participants
Mention organized /participated/attended	Organized

### Event Description:

The objective of organizing this Alumini talk was in order to remain relevant in the job market it is important for professionals to learn new skill set for the current industry exposure. The talk was delivered by proud alumni student Ms. Debika Chakrabarty, Research Associate, Phyx44 Labs Private Ltd.

The outcome of the seminar was that students were able to learn Downstream processing involved in biotechnology industry. Total of 50+ participants participated in the Talk. The session was started by welcome speech from Dr. Veena S More, HOD BT and The entire technical session was moderated by Dr. Shobha G and Dr. Chaitra B S. Dept of Biotechnology, Sapthagiri College of Engineering, Bangalore 57

*Chaitra*

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057



**Brochure:**



**SAPTHAGIRI COLLEGE OF ENGINEERING**  
Department of Biotechnology

The Indian Institute of Engineers (IEI) student chapter

Organizing Seminar on

**“ Downstream Processing involved in Biotechnology Industry”**

**Ms Debika Chakrabarty**  
Research Associate  
Phyx44Labs Private Limited  
Bangalore  
Time:10:30 AM - 12:00PM  
Day: 06-May-2023 (Saturday)

**Principal**  
Dr. Ramakrishna H

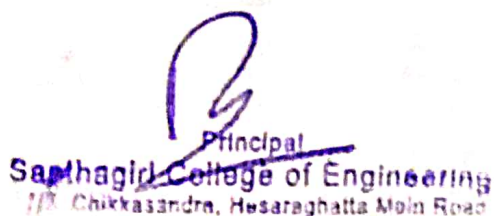
**HOD**  
Dr. Veena S More

**Forum Convener**  
Shruti:  
Dr. Soumya C

**IEI:**  
Dr. Chaitra BS

**Faculty Coordinators**  
Dr. Shobha G  
Dr Chaitra BS

**Student Coordinators**  
Viba samartha  
Tanukumar C



Principal  
Sapthagiri College of Engineering  
14/5 Chikkasandra, Hesaraghatta Main Road

**Images of the Event:**



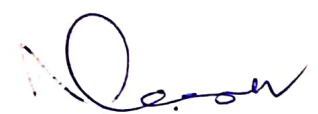
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PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
2	1	-	-	-	2	2	2	-	-	1	2

Faculty Incharge

1. Dr Shobha G
2. Dr. Chaitra B S

Date of Submission: 09-05-2023

  
HOD, BT  
Head of the Department  
Dept. of Bio -Technology  
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No. 57/1, Chikkasandra  
Hesaraghatta Main Road  
Bangalore -57

  
Principal  
Sapthagiri College of Engineering  
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