

# RECORD OF INNOVATIVE/ BEST PRACTICES

**ACTIVITY: SCIENCE TALKS**

**DEPARTMENT OF MICROBIOLOGY**



**GOVERNMENT DEGREE COLLEGE,  
KHAIRATABAD, HYDERABAD DISTRICT,  
TELANGANA**

**SCIENCE TALKS**

**Topic: wonder animals and animal wonders**

**Presenter: Dr. N.harikrishna, Assistant Professor of Microbiology, Govt. Degree College,  
Khairatabad Hyderabad District**

**Date of presentation: 11.11.2022**

**Place : Department of Zoology, Time: 1.30-2.30PM**

**Objectives of the program:** Discoveries and innovations in Science and technology rapidly progressing in present situation. Technology is the collection of techniques, methods or processes used in the production of goods or services or the accomplishment of objectives, such as scientific investigation, or any other consumer demands and welfare of the society.

- The program entitled 'Science talks' initiated to share, communicate, dissemination and creating awareness among the ultimate stake holders i.e students.
- The program aimed to conduct one lecture on every month. The lecture may be delivered by the teachers, or interested student's for 30 - 45 min.
- Science talks inculcates scientific temperament and provokes ideas towards the new things

**REPORT:**

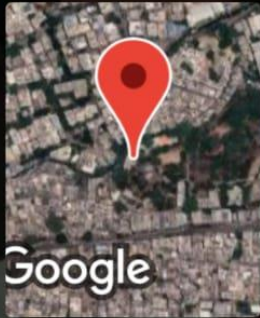
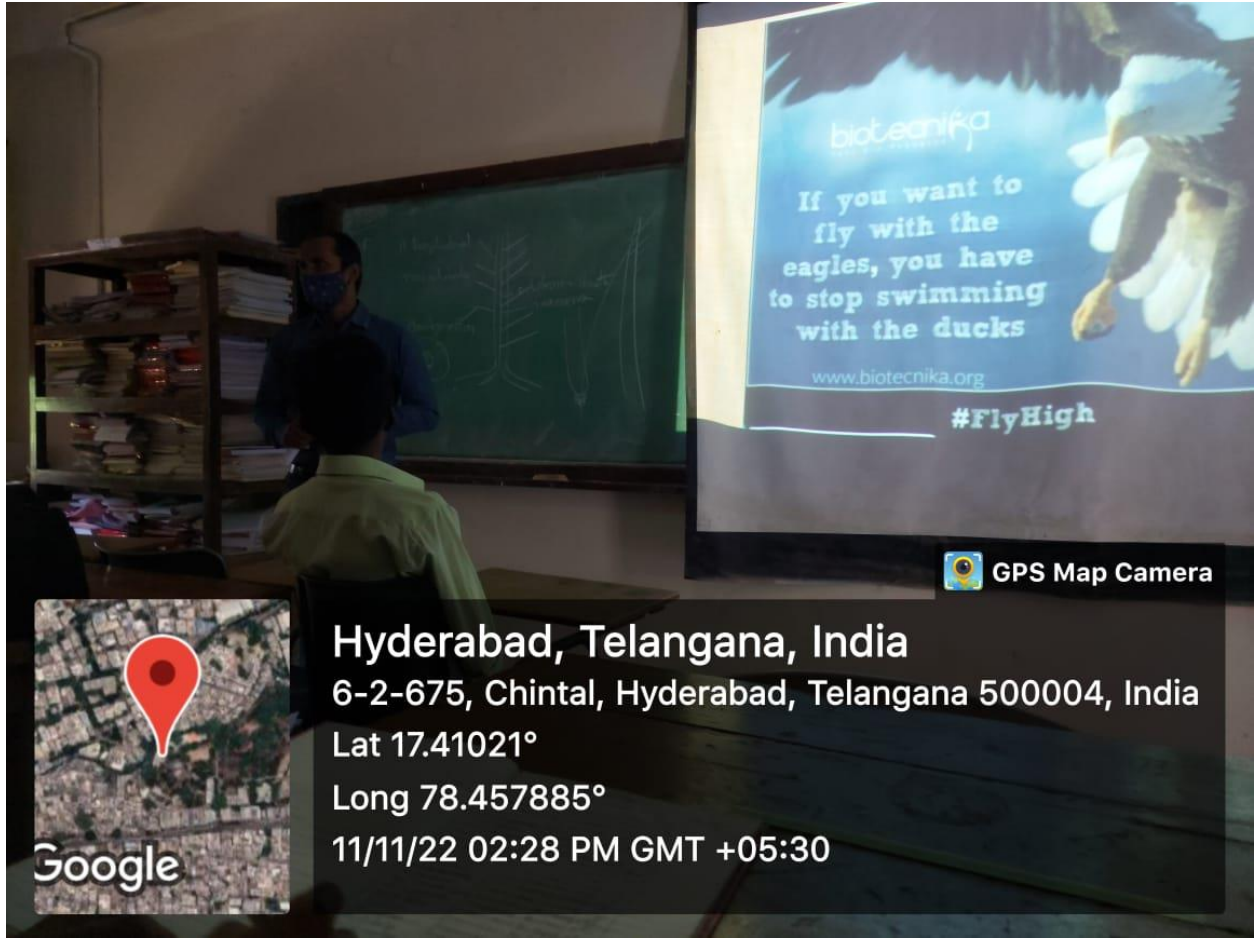
**Inaugural session:**

Inaugural session started at 01:30 PM in Commerce Digital room of college. College Principal, Dr. B. Rajendra Kumar presided the session. IQAC coordinator addressed the gather with his

motivational speech and congratulated the program coordinator that these programs will bring the current scenario of science technology.

The topic “Animal Wonders- Wonder Animals” presented on 11/11/2022 at 01:30-02:30 PM in Zoology department. Heads and Assistant Professors of all Departments and students of various branches attended the program. Nearly 50 student members were attended program. The program enlightened on creativity and its role in innovation with inspirational story of Thomas Alva Edison. Student’s also encouraged to think in positive way to solve the problem which enable them to combat the professional and personal life difficulties. In the presentation different animals creativity to capture their food. During this finding they have evolved with impeccable characters with accuracy to combat their strenuous situations. A total of 7 videos wonderful and creative animals were presented in the lecture, include Archer fish, Moon walk bird, Puffer fish, Lyre bird, Mantis shrimp, Pistol shrimp, Arctic fox etc.

At the end of the program students were encouraged to participate and present the current trends in science, arts and commerce.



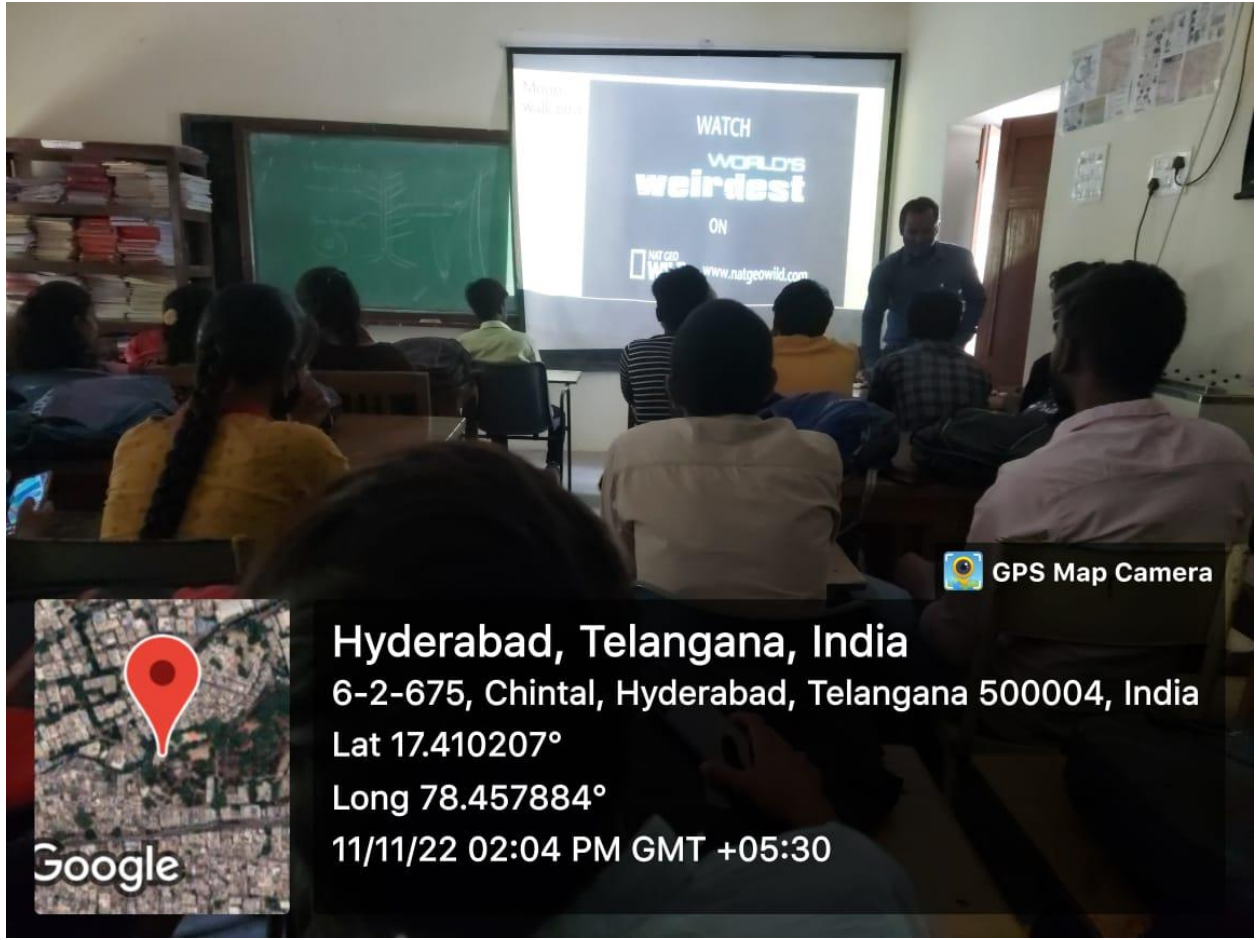
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6-2-675, Chintal, Hyderabad, Telangana 500004, India

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Long 78.457885°

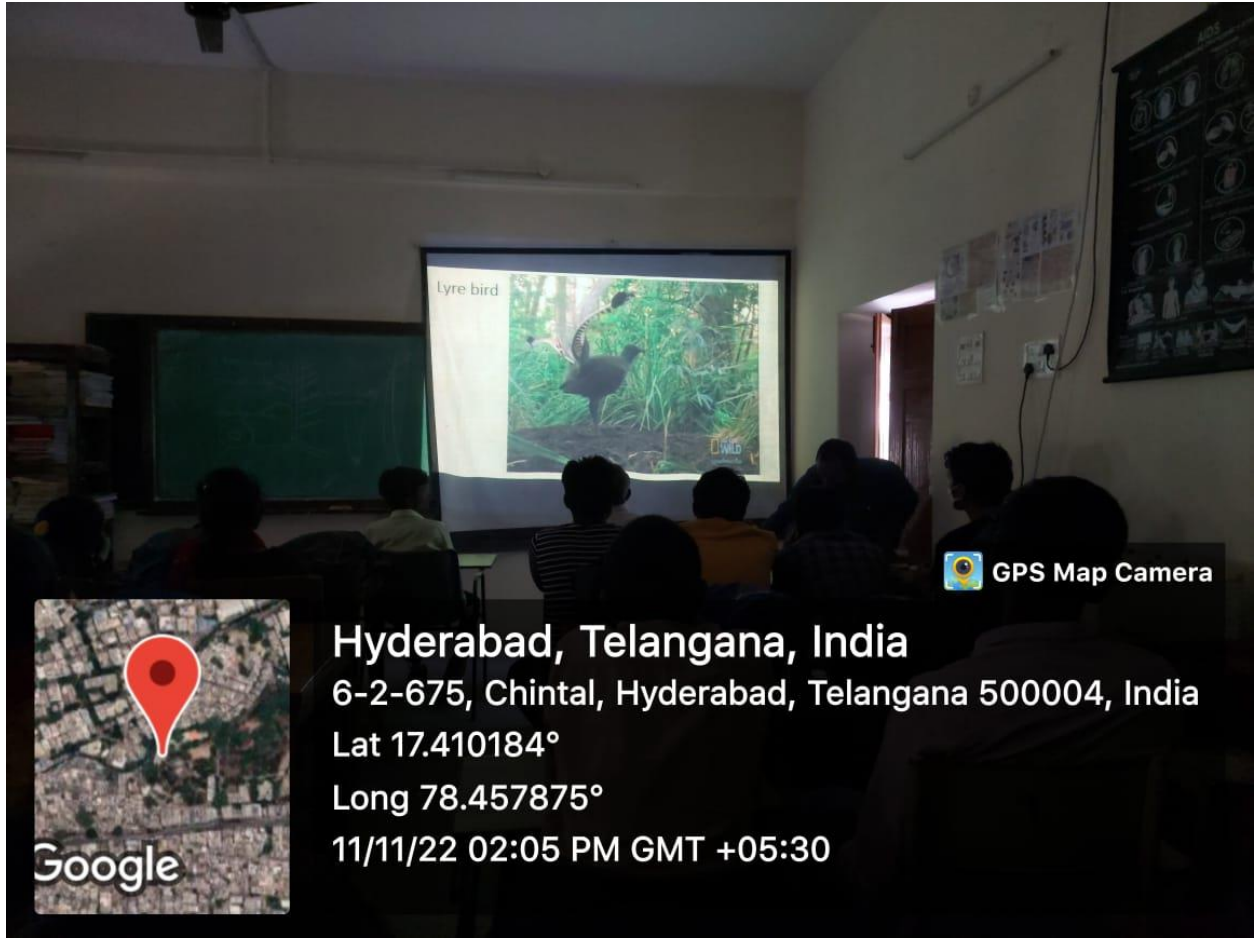
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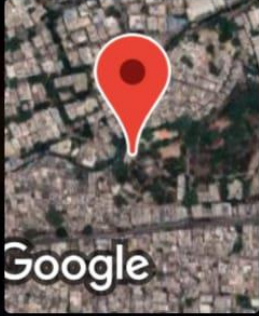
GPS Map Camera



**Hyderabad, Telangana, India**  
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Long 78.457884°  
11/11/22 02:04 PM GMT +05:30



 GPS Map Camera



**Hyderabad, Telangana, India**

6-2-675, Chintal, Hyderabad, Telangana 500004, India

Lat 17.410184°

Long 78.457875°

11/11/22 02:05 PM GMT +05:30

# Science Talks

Topic: Animal wonders - Wonder animals

Date: 11/11/22

3

Sr No.	Name	HL No.	Group	Year	Signature
1.	V. Tejasri	114021591005	MZPSY	2 <sup>nd</sup> yr	Tejasri
2.	D. Bharu Nandan	114021591003	MZPSY	2 <sup>nd</sup> yr	M. Nandan
3.	M. Manasa	114021450009	MZCS	2 <sup>nd</sup> yr	M. Manasa
4.	T. Priyanka	114021450019	MZCS	2 <sup>nd</sup> yr	T. Priyanka
5.	A. parvati	114021499001	BSC(I)ANIZ	2 <sup>nd</sup> yr	Parvati
6.	G. Bhargavi	114021450005	BSC(MBZCS)	2 <sup>nd</sup> yr	G. Bhargavi
7.	Swetha	114021450018	BSC(MBZCS)	2 <sup>nd</sup> yr	Swetha
8.	Varisha	114021450013	BSC(MBZCS)	2 <sup>nd</sup> yr	Varisha
9.	Bhanu prasad	114021448009	BSC(BTMZ)	2 <sup>nd</sup> yr	Bhanu prasad
10.	K. Ushma	114021572012	BSC(BZC)	2 <sup>nd</sup> yr	Ushma
11.	K. Surej	114021487005	BSC(MBZC)	2 <sup>nd</sup> yr	Surej
12.	B. omkar	114021457004	BSC(MZC)	2 <sup>nd</sup> yr	Omkar
13.	Ch. Anji Reddy	114021457005	BSC(MZC)	2 <sup>nd</sup> yr	Anji Reddy
14.	Ch. Varashi	114021457006	BSC(MZC)	2 <sup>nd</sup> yr	Varashi
15.	P. Sharath Kumar	114021448012	BSC(MBZC)	2 <sup>nd</sup> yr	Sharath
16.	P. Sucharitha	114021487008	BSC(MBZC)	2 <sup>nd</sup> yr	Sucharitha
17.	K. Vyshnavi	114021448008	BSC(MBZC)	2 <sup>nd</sup> yr	Vyshnavi
18.	A. Siri	114021476001	BSC(MBZC)	2 <sup>nd</sup> yr	A. Siri
19.	C. Saisree	114021342005	BSC(BTBZ)	II <sup>nd</sup> yr	C. Saisree
20.	P. Soniya	114021448013	BSC(BTMBZ)	II <sup>nd</sup> year	Soniya
21.	J. Mounika	114021342007	BSC(BTBZ)	II <sup>nd</sup> year	Mounika
22.	Talun thiripati	114021457018	BSC(MZC)	II <sup>nd</sup> year	Talun thiripati
23.	P. MAHESH	114021342013	BSC(BTBZ)	II <sup>nd</sup> year	MAHESH
24.	J. Jaipal naik	114019342000	BSC(BTBZ)	III <sup>rd</sup> year	Jaipal
25.	R. Sai Kumar	114019342000	BSC(BZC)	III <sup>rd</sup> year	Sai Kumar
26.	N. Mayukh	114020499015	BSC(ANIMBZ)	3 <sup>rd</sup> year	Mayukh
27.	DR P. ANURADHA		ANIMBZ 2000		P. Anuradha
28.	Suprabha P		ANIMBZ 2000		Suprabha

Dr

May

**GOVERNMENT DEGREE COLLEGE, KHAIRATABAD, HYDERABAD  
DISTRICT, TELANGANA**

**SCIENCE TALKS**

**Topic: Wonder Animals and Animal Wonders-2**

**Presenter: Dr. N. Harikrishna, Assistant Professor of Microbiology, Govt. Degree College, Khairatabad Hyderabad District**

**Date of presentation: 14.12.2022**

**Place : Department of Zoology, Time: 1.30-2.30PM**

**About program:**

The topic Animal wonders and Wonder animals part 2 was conducted on 14.12. 2022 in the Zoology Department lab. The lecture was presented by Dr. N. Harikrishna, Assistant Professor of Microbiology. In this lecture weird wonders of animals was discussed. More than 30 students were participated in this lecture. Presenter discussed about the Namib beetle, Japanese crow, Japanese macaque, tusk fish, side winder piper, rock skin nute, puffer fish , Kung fu mantis, Jesus Christ lizard and ants inagriculture. The above organism's special features were discussed and videos presented to the audience.

**9. Frigate bird**

- Frigate birds spend most of the day in flight hunting for food, and roost on trees or cliffs at night
- Frigatebirds are referred to as [kleptoparasites](#)



**10. Jesus Christ lizard**

- Jesus Christ lizard is [endemic](#) to [Central America](#) and [South America](#), where it is found near rivers and streams in [rainforests](#)
- It has ability to walk on water





## 1. Namib Beetle

- Lives in deserts
- Get the water using their very own body surfaces by absorbing the water from dew
- Micro-sized grooves or bumps on the beetle's hardened forewings can help condense and direct water toward the beetle's awaiting mouth



## 7. Puffer fish

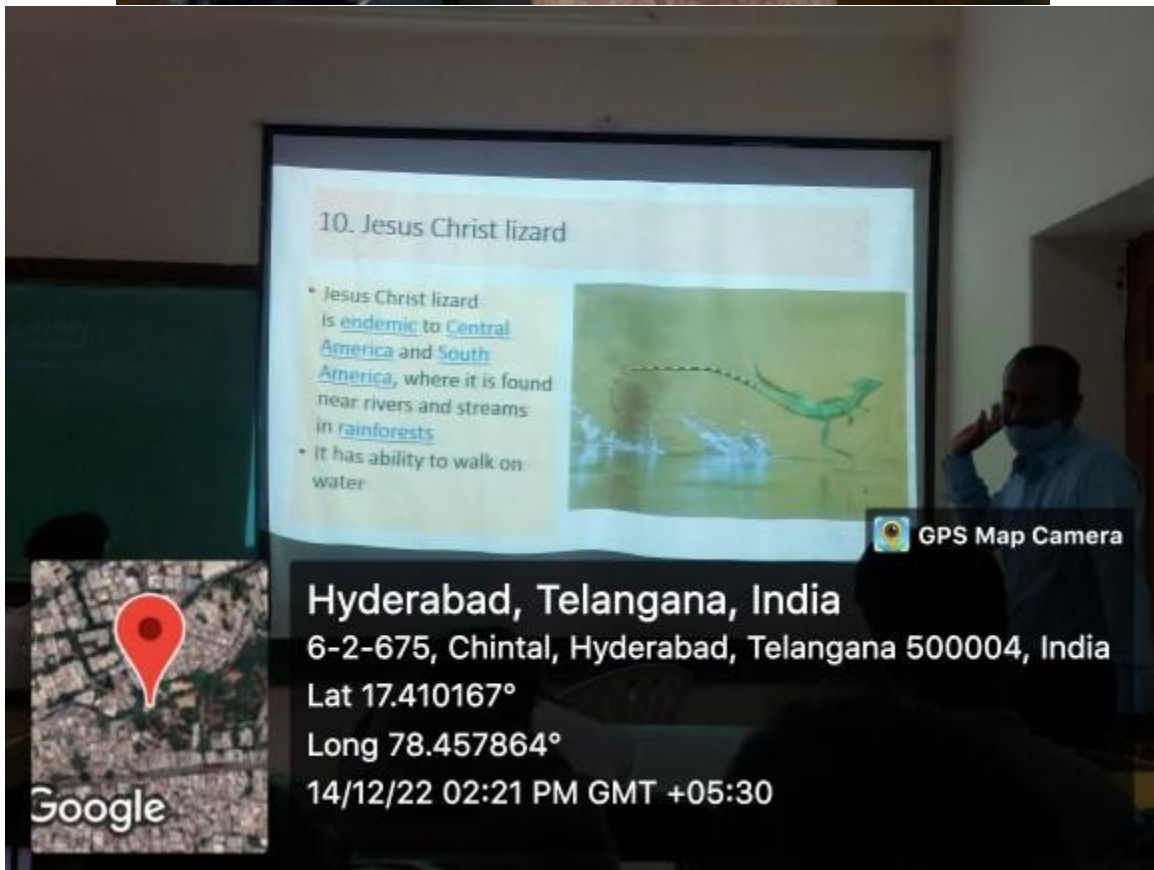
- A tiny Japanese puffer fish creates a grand sand sculpture on the featureless seabed by using his fins to dig furrows.
- It takes about seven to nine days for the pufferfish to construct the circles.
- When the circles are finished, females come to inspect them. If they like what they see, they reproduce with the males

## 6. Rock skin newt

- Highly toxic
- Under risk conditions shows a body posture called the unken reflex, a rigid U-shaped posture
- A release of toxic skin secretions accompanies the defensive posture
- Releases the toxin that can kill the 25,000 rats at a time







Presentation photographs



Animal wordex - wonder Animal . 14/12/2022

S <sup>no</sup>	Name	HT No	Group	year
1	P. MAHESH	114021342013	BTBZ	1 <sup>nd</sup> Year
2	KALYANATHAPOTA	114021406002	Taxation	1 <sup>nd</sup> Year
3	A. pavani	114021499001	ANMZ	1 <sup>nd</sup> year
4	Akhil.M.	114021449002	ANMC	1 <sup>nd</sup> year
5	K. Vyshnavi	114021448008	MBTZ	1 <sup>nd</sup> yr
6	P. Sushanitha	114021487008	MBTC	1 <sup>nd</sup> yr
7	Abdul wahed	114021448011	MBTZ	1 <sup>nd</sup> yr.
8	B. Prasad	114021406005	Tax	1 <sup>st</sup> year
9	A. Siri	114021476001	MBANPsy	1 <sup>st</sup> year
10	K. Deekshitha	114021499007	ANMZ	1 <sup>st</sup> year
11	M. Navan chary		BTBZ	1 <sup>st</sup> year
12	Sachin		MBCS	1 <sup>st</sup> yr
13	Avinash		MBZC	1 <sup>st</sup> yr
14	Tejasri	114021591005	MZPSY	2 <sup>nd</sup> yr
15	Sriharu Jandoo	114021591003	MZPSY	2 <sup>nd</sup> yr
16	N. pallavi	T12159235920	MBZC	1 <sup>st</sup> yr
17	A. Anusha	T12258227531	MBBTZ	1 <sup>st</sup> yr
18	M. Neeraja	T12249203603	MBZC	1 <sup>st</sup> yr.
19	P. Indu	TI2260500342	(MBZC)	2 <sup>nd</sup> year
20	Anshiyakumar	114021450002	(MZCS)	1 <sup>nd</sup> year
21	M. Bhannuprasad	114021448009	(BTBZ)	1 <sup>nd</sup> year

W/ Lakshmi  
18/1/2023