

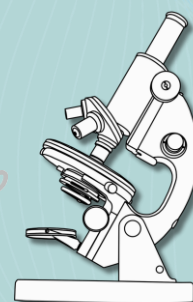


Bharathidasan University
(Accredited with A+ Grade by NAAC)
DEPARTMENT OF BIOMEDICAL SCIENCE
Tiruchirappalli - 24.



NATIONAL SCIENCE DAY CELEBRATION-2025

**28th February ,
2025.**



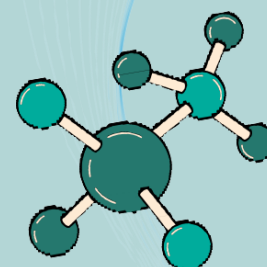
EVENTS

1. ORAL PRESENTATION
2. WORKING MODELS
3. HYPOTHESIS
4. QUIZ
5. JUST A MINUTE

**THEME: 'EMPOWERING INDIAN YOUTH FOR GLOBAL LEADERSHIP IN
SCIENCE AND INNOVATION FOR VIKSIT BHARAT'**

VENUE

Seminar Hall-A/C
Department of Biomedical science
Bharathidasan University
Tiruchirappalli-620024
Tamil Nadu ,India





NATIONAL SCIENCE DAY REPORT-28th FEBRUARY, 2025

ORGANISED BY

DEPARTMENT OF BIOMEDICAL SCIENCE-BIOMED FUTURA

BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI

*Theme: "Empowering Indian Youth for Global Leadership in Science and
Innovation for Viksit Bharat"*

Introduction:

National Science Day is celebrated annually on February 28th in India to honour the remarkable discovery of the Raman Effect by **Chandrasekhara Venkata Raman** in 1928, for which he was awarded the Nobel Prize in Physics in 1930. This day serves as a tribute to scientific innovation, fostering a spirit of curiosity, research, and technological advancement among students, researchers, and academicians. Each year, National Science Day is observed with a unique theme that reflects the current scientific challenges and advancements and this year the Department of Biomedical Science, Bharathidasan University, proudly celebrated National Science Day on February 28th 2025, embracing the theme "**Empowering Indian Youth for Global Leadership in Science and Innovation for Viksit Bharat.**". This report captures the key moments, insights, and outcomes of Science Day, emphasizing the transformative power of science in shaping a better future.

Objectives:

The objective of Science Day is to promote scientific awareness, encourage innovation, and inspire curiosity about science and technology among people, especially students. The event commenced with a welcome speech by **Dr.G.Mathan** , Head of the department, who emphasized the importance of Science Day and its relevance in today's world. The students from Biomedical Science department delivered their speech about renowned scientists, Srikanth from Ist year discussed **Homi . J. Bhabha's** scientific contribution focusing on his cosmic ray research. Farhana Yasmin Zahrah from IInd year delivered her speech about **G.N. Ramachandran** and his contributions in molecular biophysics. Nishanthini from IIIrd year gave an elaborate talk on the pioneers in genetic engineering, **Herbert Boyer** and **Stanley Cohen** who developed the first recombinant DNA technique, which laid the foundation for modern biotechnology, followed by Harishavarthini from IVth year shared her view for the work on genetic code and protein synthesis by pioneered scientist **Har Gobind Khorana**. It provides an opportunity for students and the researchers to engage with scientific concepts, share knowledge and inspire future generations of scientists.

Events Conducted:

1.ORAL PRESENTATION:

The members of the **Biomed Futura Team** under the supervision of the co-ordinator Dr.G.Mathan organized on oral presentation session as part of the science day celebrations. The event aimed to encourage students to share knowledge, discoveries, and innovations about recent advancements particularly in the field of “**Immunotherapy and AI based precision therapy**”.

ORAL PRESENTERS



Akkshaya.S

Ist Year



Nisha Evangeline

IVth Year



Nivetha.C

IVth Year



Durga Devi.D

IVth Year



2. JUST A MINUTE:

Followed by oral presentation, *Just a Minute (JAM)* program was conducted. It was an engaging and intellectually stimulating event. This session aimed to test student's ability to think quickly, articulate scientific concepts concisely, and present ideas with clarity. Students from each year gave a **one minute** talk on a random biomedical related research topics ranged from mRNA vaccines for cancer treatment, Fecal microbiota transplant, CAR-T Cell therapy, Epigenetic therapy, Nanomedicine in brain tumors and Bacteriophage therapy.

PARTICIPANTS





3. QUIZ:

Quiz Competition is conducted to encourage scientific curiosity and knowledge-sharing among students. The event featured eight teams, each consisting of four members representing 1st year, 2nd year, 3rd year, and 4th year students, **fostering inter-batch collaboration and teamwork**. The quiz was conducted using a Power point presentation, where questions were displayed, and teams responded with their answers. This format ensured an interactive and visually engaging experience. The competition tested participants' understanding of various scientific concepts, promoting a spirit of learning, critical thinking, and teamwork.





4. MODEL PRESENTATION:

The model presentation session offered students and participants an opportunity to demonstrate their understanding of various scientific concepts through **visual models, working models**, fostering creativity and a deeper understanding of science. This session should describe the models presented, highlight the different types of models, their creators, and what they aimed to demonstrate.

5. CHART PRESENTATION:

Finally, Chart presentation session (**Hypothesis**) was organized to visually represent key scientific concepts, research findings, and innovations in biomedical science. The primary objective of the chart presentation was to enhance students' ability to communicate scientific knowledge effectively through visual representation. It also provided a platform to showcase research ideas, promote interactive learning, and encourage critical thinking in biomedical science.

CONCLUSION :

The Science Day celebration in the Biomedical Science Department was a remarkable event that fostered scientific curiosity and innovation among students through engaging oral presentations, insightful discussions, and interactive sessions. Overall, Science Day was an inspiring and enriching experience that emphasized the role of biomedical science and it reinforced the significance of research, innovation in advancing medical science and leaving a lasting impact on all attendees.

ACKNOWLEDGEMENT:

We sincerely thank Dr.G.Mathan, Head of the department, faculty members, and organizing committee for their guidance and encouragement in making this event a success. A special thanks to Dr.A.Antony Joesph Velanganni, Associate professor and Dr.M.Anusuyadevi Jeyachandran, Professor from Department of Biochemistry, Bharathidasan University who were the judges of the Science day.

We also acknowledge the enthusiastic participation of students, presenters, and volunteers, whose dedication and efforts contributed to the event possible. Finally, we thank Bharathidasan University for providing an excellent platform for students to explore their scientific knowledge and support for making this event grand success.

MODEL PRESENTATION



Topic: **HEMODIALYSIS**

Presenters: Aashika S.S
Vishnupriya.R
Saranya .M
Roshini.P
Vinitha.V



Topic: **RNA INTERFERENCE**

Presenters: Indhu divya .V
Nisha Evangeline .A
Durga devi. D



Topic: **THE HUMAN HEART**

Presenters: Biruntha. S
Anjali. J
Charumathi. I
Anitha Jeyashree .G
Durga devi .K



Topic: **HUMAN PAPILLOMA VIRUS**

Presenters: Gopika . S
Dharshinikala .R
Asina Angelin.P
Devadharshini.S
Saro priya.S.T



Topic: RECOMBINANT DNA TECHNOLOGY

Presenters: Anbarasan.K

Dency Eva.A

Nandhitha Sri.M



Topic: MUSCLE CONTRACTION

Presenters: Thivya Sree Ann.C

Dhejashri.P

Rithika .K

Divya.B

Sarmi.S



Topic: STEM CELLS IN CANCER THERAPY

Presenters: Vedha valli.T

Pradeep.P

Hari Hara Sudhan.T

Abinath .R

Yesu Arokiya Raja.J



Topic: REFLEX ACTION

Presenters: Ganesh.M

Kavin Kumar.M

Elavazhagan.S

Gopiraja.R

Raghav.V.S



Topic: **RETRON LIBRARY RECOMBINEERING
RECOMBINANT TOOL**

Presenters: Sathya.N
Swathika.K
Subadharshini.S
Kodiarasy.P
Joan Magdalin Gratia.C



Topic: **THE HUMAN EAR**
Presenters: Nithish.N

Dinesh.M
Diineshkumar.D
Santhosh Babu.C
Vigneshwaran.G



Topic: **ART OF PERCEPTION**

Presenters: Vetri Selvan.P
Janani.M



Topic: **PAIN RESPONSE MECHANISM**

Presenters: Grace Nithya.S
Grace Nehael.R
Akkshaya.S

CHART PRESENTATION (Hypothesis)



Topic: XENOTRANSPLANTATION

**Presenters: Dency Eva.A
Nandhitha Sri.M
(3rd year)**



Topic: STEM CELL DIFFERENTIATION

**Presenter: Vedha Valli.T
(4th year)**



Topic: HYPERTHYROIDISM AND ITS TREATMENT

**Presenter: Prithikasri. U
(1st year)**



Topic: KRABBE DISEASE

**Presenters: Vigneshwari.S
Malarvizhi.N
(3rd year)**



Topic: NASOPHARYNGEAL CARCINOMA

Presenters: Harini.R
Leena Devi.K
(3rd year)



Topic: GAS CHROMATOGRAPHY MASS SPECTROMETRY

Presenters: Abarna.P
Harsha Varthini.L
Madhumitha.R
(2nd year)



Topic: BACTERIAL BASED TREATMENT FOR CANCER

Presenters: Mohamed Irfan.S
Gurumani Senkiskanth.G
(2nd year)



Topic: PROBIOTIC GUT MICROBIOME INTERACTION TO ENHANCE ADSC FUNCTION OF METABOLIC THERAPY

Presenter: Megavarshini.S
(4th year)



Department of Biomedical Science
Bharathidasan University
Cordially Organized
NATIONAL SCIENCE DAY COMMENDATION CEREMONY
On 13th March, 2025

Chief Guests



Mr.G.Manikandan
Deputy Superintendent of Police
Vigilance and Anti Corruption
Tiruchirappalli



Mr.G.Sakthivel
Inspector of Police
Vigilance and Anti Corruption
Tiruchirappalli

“DISPLAY OF ACCOLADES”

ORAL PRESENTATION



S.S.AKKSHAYA
1st Year



A.NISHA EVANGELINE
4th Year



C.NIVETHA
4th Year



D.DURGA DEVI
4th Year

QUIZ COMPETITION- WINNERS



V.S.SRIKANTH
4th Year



S.VIGNESHWARI
3rd Year



R.AKSHAYA
2nd Year



M.FARHANA YASMEEN ZAHRAH
2nd Year

QUIZ COMPETITION-RUNNERS



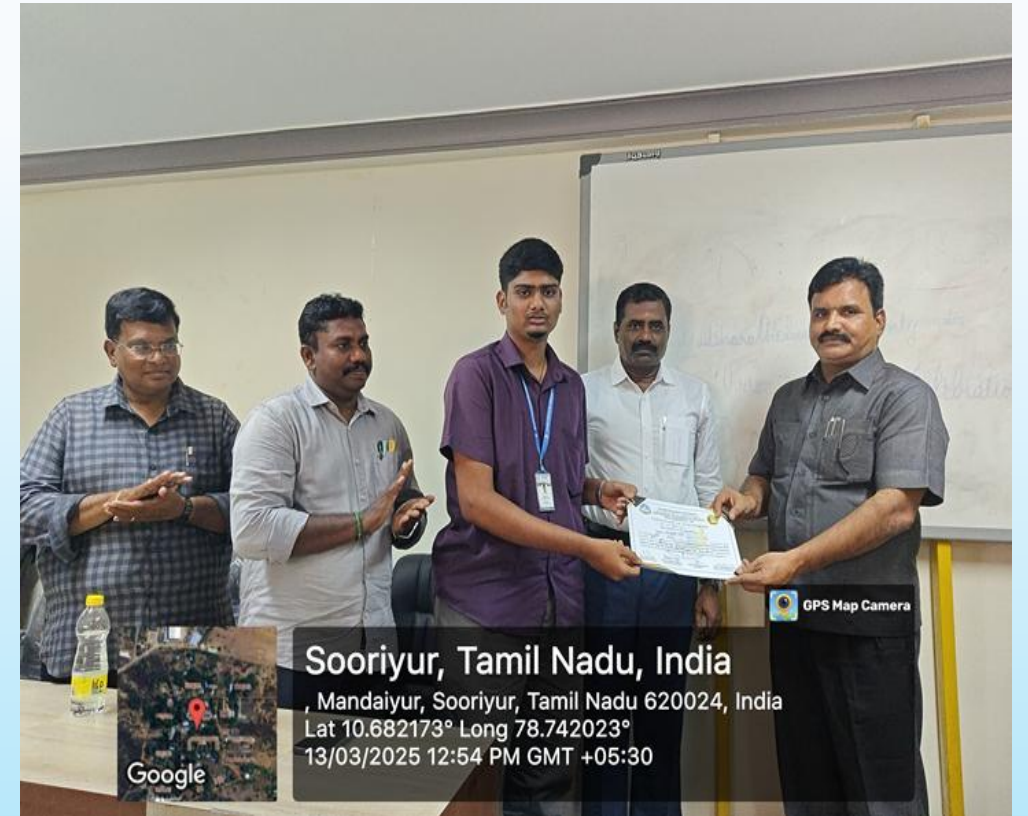
S.V.SALAMEIVAZHVU
4th Year



P.VETRI SELVAN
3rd Year



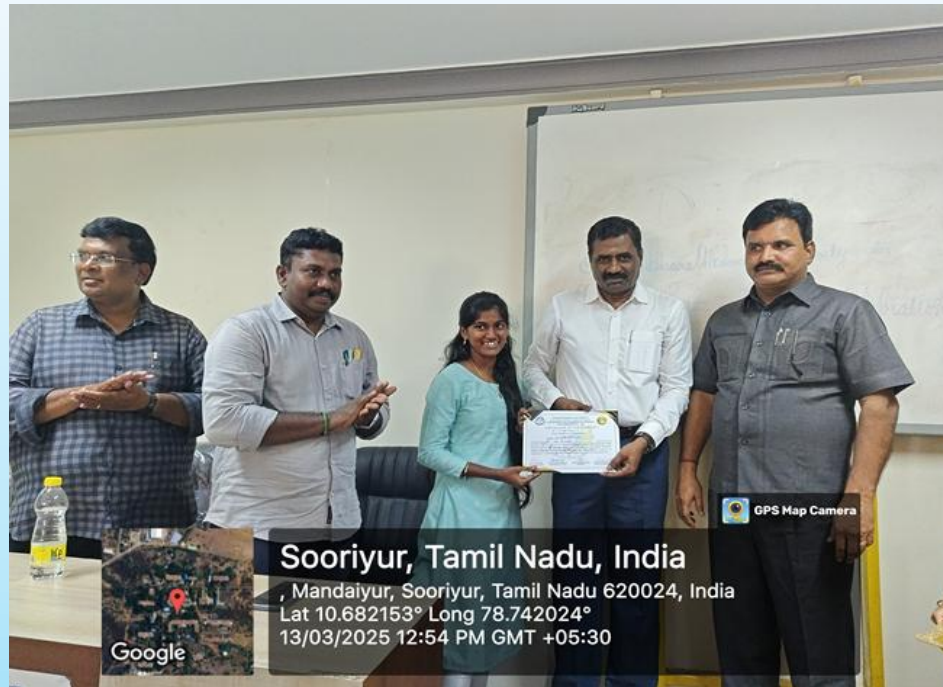
P.ASINA ANGELIN
2nd Year



V.S.RAGHAV
1st Year

JUST A MINUTE

WINNER:



S.V.SALAIMAIVAZHVU
4th Year

RUNNER:



V.INDHU DIVYA
4th Year

MODEL PRESENTATION- WINNER (PAIN RESPONSE MECHANISM)



S. GRACE NITHYA
1st Year



S.AKKSHAYA
1st Year



R.GRACE NEHEAL
1st Year

1st Runner – The Human Heart



S.BIRUNTHA
1st Year



J.ANJALI
1st Year



G.ANITHA JEYASHREE
1st Year



I.CHARUMATHI
1st Year



K.DURGADEVI
1st Year

2nd Runner – RNA Interference



V.INDHU DIVYA
4th Year



A.NISHA EVANGELINE
4th Year



D.DURGA DEVI
4th Year

CHART PRESENTATION(HYPOTHESIS)-Winner



S.VIGNESHWARI

3rd Year



N.MALARVIZHI

3rd Year

1st Runner



M.NANDHITHA SRI
3rd Year



A.DENCY EVA
3rd Year

2nd Runner



P.VETRI SELVAN
3rd Year



M.JANANI
3rd Year

