



National College for Teacher Education

(NAAC Accredited with 'B' Grade)

Iqbal Square, Meprathupady, Vengola, Perumbavoor, Ernakulam - 683 556

KEY INDICATOR

CRITERION 2-Teaching-learning and Evaluation

2.3 TEACHING-LEARNING PROCESS

ICT SUPPORT IN LEARNING

METRIC 2.3.4.A

ICT ACTIVITY

Affidavit

I do hereby certify that, all pages in this document are duly authenticated by me, under my privilege as the Head of the institution of National College for Teacher Education, Vengola, Ernakulam, Kerala

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Dr. N. SETHU MADHAVAN
PRINCIPAL
NATIONAL COLLEGE FOR TEACHER EDUCATION
IQBAL SQUARE, MEPRATHUPADY
VENGOLA, PERUMBAVOOR - 683 556

**NATIONAL COLLEGE FOR
TEACHER EDUCATION**

**IQBAL SQUARE, VENGOLA, PERUMBAVOOR,
ERNAKULAM DIST., PIN 683 554**

**(AFFILIATED TO MAHATMA GANDHI UNIVERSITY & RECOGNISED BY THE NCTE)
NAAC ACCREDITED**




PRACTICUM ON

**EDU 104-17 UNDERSTANDING THE DISCIPLINE OF PHYSICAL
SCIENCE**

B.Ed. COURSE 20 - 20

NAME ANAMIKA N.S
OPTIONAL SUBJECT PHYSICAL SCIENCE
REG. NO: 233240114389..... YEAR 2023-2025

*Certified that this is a Bonafide record of practical
Work done by the trainee during the year 2023 - 2025*


Principal


Faculty in charge


Submitted for the Practical held on.....
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INTRODUCTION

A PowerPoint presentation is a dynamic visual communication tool that enables users to organize and convey information effectively. Comprising a series of slides, each with its own content, a presentation can incorporate text, images, graphs, and multimedia elements. Microsoft PowerPoint, a widely used software application for creating presentations, offers a user-friendly interface for designing slides and arranging content in a logical sequence. Presenters can enhance their message through animations, transitions, and speaker notes, facilitating a more engaging and comprehensive delivery of information to an audience.

The structure of a PowerPoint presentation allows for the systematic exploration of topics, making it an invaluable resource in business meetings, educational settings, and various professional contexts. Presenters can utilize this tool to illustrate key points, share data, and guide the audience through a cohesive narrative, fostering understanding and retention of the presented material. As a versatile and widely adopted tool, PowerPoint has become synonymous with modern presentations, providing a visually impactful means of communication across diverse fields and disciplines.

As part of Bed curriculum my PowerPoint presentation is on **CV Raman**, the renowned scientist. It includes his birth, family details, educational qualifications, awards, inventions, achievements and death. C.V Raman was an Indian physicist who won the Nobel Prize in Physics in 1930 for his ground breaking work on the scattering of light, known as the Raman Effect. His discoveries significantly contributed to the understanding of light and earned him recognition as one of India's foremost scientists.

C V RAMAN



Sir CHANDRASHEKAR VENKATRAMAN



- Born on November 7, 1888 Thiruchirapally, Tamil Nadu
- Father: CHANDRASHEKAR IYER (scholar of maths and physics)
- Mother: PARVATHI AMMA



Chandrashekhara Iyer
and Parvathyamma

- Born in a Tamil Brahmin family
- Second son of eight siblings
- His family shifted to VISHAKAPATTANAM when he was 4.



CV RAMAN with his wife

Married LOKASUNDHARI AMMAL in 1907

Had two sons :

CHANDRASHEKHAR
and
RADHAKRISHNAN



Education

- Matriculation in 1900 (Age of 11)
- Passed 12th in 1902 (Age of 13)
- BA First rank at PRESIDENCY COLLEGE in 1904 (gold medal)
- First research paper in 1906
- MA ; IRS Examination : 1907 (gold medal in both)



Discoveries

- Sir CV Raman discovered the scattering of light in 1928
- Awarded **NOBEL PRICE** in 1930, for his work on the scattering of light and for the discovery of the effect named after him.



RAMAN EFFECT



Raman discovered in 1928 that when a beam of coloured light entered a liquid, a fraction of the light scattered by that liquid was of a different color.

Raman showed that the nature of this scattered light was dependent on the type of sample present



AWARDS

- He won the Nobel Prize in Physics in 1930.
- He was awarded the Franklin Medal in 1941.
- He was awarded the Bharat Ratna in 1954, the highest civilian award in India.





HONOURS

- In 1924, he was elected as a Fellow of the Royal Society early in his career and was knighted in 1929.

- The American Chemical Society and the Indian Association for the Cultivation of Science in 1998 recognised Raman's discovery as an International Historic Chemical Landmark.



Became the first Indian director of the Indian Institute of Science. (1934)



- He founded the Indian Academy of Sciences in 1934.



- Established the Raman Research Institute in 1948 where he worked to his last days.
- It is situated in Bangalore



Raman Research Institute

National science day
28 th February



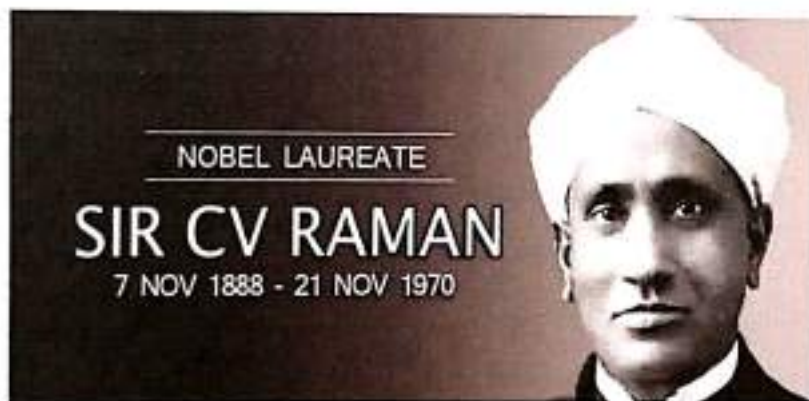
- On 28 February every year, India celebrates National Science Day to commemorate the discovery of the Raman Effect in 1928 in his honour.



Death



- Passed away in **1970**
- In 1970, he received a major heart attack while working in the laboratory.
- He took his last breath at the Raman Research Institute on 21st November 1970.



- Dr. C.V. Raman was one of the great legends from India whose hard work and determination made India proud and became the first Indian to receive a Nobel Prize in Physics.
- He proved that, if a person really wants to pursue his/her desires nobody can stop.
- He will always be remembered as a great Scientist, Physicist, and Nobel laureate.

REPORT

A PowerPoint presentation is a visual communication tool used to convey information, ideas, or data to an audience through a series of slides. It typically combines text, images, and multimedia elements to facilitate effective and engaging presentations in various contexts, such as business meetings, educational settings, or conferences.

As part of the B.Ed. curriculum the trainees created a digital album using PowerPoint presentation. The album was about the famous Indian scientist CV Raman. Sir Chandrasekhar Venkata Raman, born in 1888, was an Indian physicist renowned for his ground breaking work in the field of light scattering. In 1930, he won the Nobel Prize in Physics for discovering the Raman Effect, a phenomenon where light changes wavelength when it interacts with molecules. Raman's contributions significantly advanced the understanding of molecular interactions and earned him a prominent place in the history of science.

Each page of the album is carefully created by including the texts, images ,photos etc. and engaging teaching practices. It also contains information about his birth ,education, achievements, family and death. The project not only imparts knowledge about a significant Scientific figure but also exemplifies the integration of multimedia resources to enrich the Learning experience for future educators .

*By
22/10/2023*



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GEOTAG PHOTOGRAPHS

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1. Understanding Theory Courses



2. Practice Teaching



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3. Internship



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4. Out of Classroom Activities/Science Club



Arts Club





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METRIC 2.3.4.D

Any other relevant information

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2.3.3 PROGRAMWISE LIST OF STUDENTS USING ICT FOR THE YEAR 2023-24

Name of programme	No	Name of student	ICT resources used
B.Ed. Second year	1.	Aiswarya T J	Blog, PPT, YouTube, online repositories, AI tools
	2.	Amrutha T	Blog, PPT, Youtube, online repositories, AI tools
	3.	Aysha Sanovar	Blog, PPT, Youtube, online repositories, AI tools
	4.	Elizabeth Johnson	Blog, PPT, Youtube, online repositories, AI tools
	5.	Fahmin Abdul Rahman	Blog, PPT, Youtube, online repositories, AI tools
	6.	Farzana Faizal	Blog, PPT, Youtube, online repositories, AI tools
	7.	Fathima Farhana M A	Blog, PPT, Youtube, online repositories, AI tools
	8.	Fareeda Parsana	Blog, PPT, Youtube, online repositories, AI tools
	9.	Henna Jaleel	Blog, PPT, Youtube, online repositories, AI tools
	10.	Jenitta Poullose	Blog, PPT, Youtube, online repositories, AI tools
	11.	Shija Farvin.H	Blog, PPT, Youtube, online repositories, AI tools
	12.	Divya CM	Blog, PPT, Youtube, online repositories, AI tools
	13.	Ginu George	Blog, PPT, Youtube, online repositories, AI tools
	14.	Lakshmi R	Blog, PPT, Youtube, online repositories, AI tools
	15.	Simimol MA	Blog, PPT, Youtube, online repositories, AI tools
	16.	Vandana Rajan	Blog, PPT, Youtube, online repositories, AI tools
	17.	Adeeba M I	Blog, PPT, Youtube, online repositories, AI tools
	18.	Ameena PS	Blog, PPT, Youtube, online repositories, AI tools
	19.	Anila Sabu	Blog, PPT, Youtube, online repositories, AI tools
	20.	Aysha V A	Blog, PPT, Youtube, online repositories, AI tools
	21.	Bhavya Haridas	Blog, PPT, Youtube, online repositories, AI tools
	22.	Farzana J	Blog, PPT, Youtube, online repositories, AI tools

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23.	Gopika Krishnan	Blog, PPT, Youtube, online repositories, AI tools
24.	Saleena P P	Blog, PPT, Youtube, online repositories, AI tools
25.	Sameena K Y	Blog, PPT, Youtube, online repositories, AI tools
26.	Vismaya M V	Blog, PPT, Youtube, online repositories, AI tools
27.	Akshara K	Blog, PPT, Youtube, online repositories, AI tools
28.	Amrutha Babu	Blog, PPT, Youtube, online repositories, AI tools
29.	Arya M A	Blog, PPT, Youtube, online repositories, AI tools
30.	Beema T K	Blog, PPT, Youtube, online repositories, AI tools
31.	Dilsha T	Blog, PPT, Youtube, online repositories, AI tools
32.	Diya J R	Blog, PPT, Youtube, online repositories, AI tools
33.	Fida K	Blog, PPT, Youtube, online repositories, AI tools
34.	Parvathy Murali	Blog, PPT, Youtube, online repositories, AI tools
35.	Adnan A	Blog, PPT, Youtube, online repositories, AI tools
36.	Anjaly Sreekumar	Blog, PPT, Youtube, online repositories, AI tools
37.	Anu Ashok	Blog, PPT, Youtube, online repositories, AI tools
38.	Irfana Shamma E	Blog, PPT, Youtube, online repositories, AI tools
39.	Meenakshi Jayachandran	Blog, PPT, Youtube, online repositories, AI tools
40.	Sreelakshmi V	Blog, PPT, Youtube, online repositories, AI tools
41.	Thaslimol K M	Blog, PPT, Youtube, online repositories, AI tools
42.	Vaishakh P	Blog, PPT, Youtube, online repositories, AI tools
43.	Akshaya M E	Blog, PPT, Youtube, online repositories, AI tools
44.	Amrutha B T	Blog, PPT, Youtube, online repositories, AI tools
45.	Aparna Babu	Blog, PPT, Youtube, online repositories, AI tools
46.	Drishya K S	Blog, PPT, Youtube, online repositories, AI tools
47.	Muhammed Fazal K P	Blog, PPT, Youtube, online repositories, AI tools

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 VEREGOLA, R.FURUMBAYO/DIC/688555556



	48.	Nimishamol K	Blog, PPT, Youtube, online repositories, AI tools
	49.	Thasniya B	Blog, PPT, Youtube, online repositories, AI tools

Name of programme	No	Name of student	ICT resources used
B.Ed First year	1.	Afa Abdul Azeez V M	Blog, PPT, Youtube, online repositories, AI tools
	2.	Anusri G C	Blog, PPT, Youtube, online repositories, AI tools
	3.	Dayadas T P	Blog, PPT, Youtube, online repositories, AI tools
	4.	Fathima K H	Blog, PPT, Youtube, online repositories, AI tools
	5.	Keerthika K P	Blog, PPT, Youtube, online repositories, AI tools
	6.	Krishnaja Monoj	Blog, PPT, Youtube, online repositories, AI tools
	7.	Laila Mol K S	Blog, PPT, Youtube, online repositories, AI tools
	8.	Mohamed Shalikh	Blog, PPT, Youtube, online repositories, AI tools
	9.	Munavir Ahammed A C	Blog, PPT, Youtube, online repositories, AI tools
	10.	Rahul A R	Blog, PPT, Youtube, online repositories, AI tools
	11.	Sanjana K R	Blog, PPT, Youtube, online repositories, AI tools
	12.	Sulaika Iqbal	Blog, PPT, Youtube, online repositories, AI tools
	13.	Suvaibathul Hasna P T	Blog, PPT, Youtube, online repositories, AI tools
	14.	Adnan C T	Blog, PPT, Youtube, online repositories, AI tools
	15.	Dana Nazer K	Blog, PPT, Youtube, online repositories, AI tools
	16.	Nafsiya C B	Blog, PPT, Youtube, online repositories, AI tools
	17.	Reshma A S	Blog, PPT, Youtube, online repositories, AI tools
	18.	Anamika N S	Blog, PPT, Youtube, online repositories, AI tools
	19.	Anisha Sebastian	Blog, PPT, Youtube, online repositories, AI tools
	20.	Arya K	Blog, PPT, Youtube, online repositories, AI tools
	21.	Ashina V P	Blog, PPT, Youtube, online repositories, AI tools

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22.	Bismitha Basheer	Blog, PPT, Youtube, online repositories, AI tools
23.	Fathima Diya A	Blog, PPT, Youtube, online repositories, AI tools
24.	Jishana Shemin K	Blog, PPT, Youtube, online repositories, AI tools
25.	Jisna C J	Blog, PPT, Youtube, online repositories, AI tools
26.	Niveetha M	Blog, PPT, Youtube, online repositories, AI tools
27.	Nixy N Joy	Blog, PPT, Youtube, online repositories, AI tools
28.	Rameesa Jahan C K	Blog, PPT, Youtube, online repositories, AI tools
29.	Anakha Murali	Blog, PPT, Youtube, online repositories, AI tools
30.	Ashfak Ahammed	Blog, PPT, Youtube, online repositories, AI tools
31.	Khadeeja Salah	Blog, PPT, Youtube, online repositories, AI tools
32.	Shifa Bakker M	Blog, PPT, Youtube, online repositories, AI tools
33.	Sreetrisha C R	Blog, PPT, Youtube, online repositories, AI tools
34.	Thasni N L	Blog, PPT, Youtube, online repositories, AI tools
35.	Vineetha O P	Blog, PPT, Youtube, online repositories, AI tools
36.	Anavadhya K T	Blog, PPT, Youtube, online repositories, AI tools
37.	Drisya E R	Blog, PPT, Youtube, online repositories, AI tools
38.	Farisha M	Blog, PPT, Youtube, online repositories, AI tools
39.	Jasmila T J	Blog, PPT, Youtube, online repositories, AI tools
40.	Mumthas V S	Blog, PPT, Youtube, online repositories, AI tools
41.	Rineesha P R	Blog, PPT, Youtube, online repositories, AI tools
42.	Sanjuna Ashok	Blog, PPT, Youtube, online repositories, AI tools
43.	Sherin Paul	Blog, PPT, Youtube, online repositories, AI tools
44.	Sumi M A	Blog, PPT, Youtube, online repositories, AI tools
45.	Vishnu P Mohandas	Blog, PPT, Youtube, online repositories, AI tools
46.	Anu Jacob	Blog, PPT, Youtube, online repositories, AI tools

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	47.	Divya Anna John	Blog, PPT, Youtube, online repositories, AI tools
	48.	Seethal Vijayan	Blog, PPT, Youtube, online repositories, AI tools
	49.	Smera Thomas	Blog, PPT, Youtube, online repositories, AI tools
	50.	Vismaya V P	Blog, PPT, Youtube, online repositories, AI tools

Name of programme	No	Name of student	ICT resources used
M.Ed Second year	1.	VEENA P	Blog, PPT, Youtube, online repositories, AI tools
	2.	SURYA T S	Blog, PPT, Youtube, online repositories, AI tools
	3.	GIFTY REJI	Blog, PPT, Youtube, online repositories, AI tools
	4.	SONA BABU	Blog, PPT, Youtube, online repositories, AI tools
	5.	ABIN ABRAHAM	Blog, PPT, Youtube, online repositories, AI tools
	6.	JIYA ELDHO	Blog, PPT, Youtube, online repositories, AI tools
	7.	SIMI C V	Blog, PPT, Youtube, online repositories, AI tools
	8.	HAZEENA T S	Blog, PPT, Youtube, online repositories, AI tools
M.Ed First year	1.	BEEBI ASOORA K	Blog, PPT, Youtube, online repositories, AI tools
	2.	FASALUDEEN BASHEER	Blog, PPT, Youtube, online repositories, AI tools
	3.	SREEMOL DAS	Blog, PPT, Youtube, online repositories, AI tools


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