



GOVERNMENT DEGREE COLLEGE (MEN)

ACCREDITED BY NAAC WITH B++ (CGPA 2.90)

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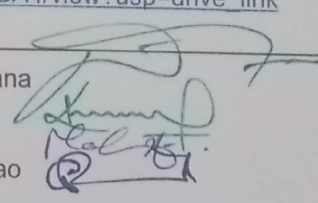
Department of Physics

Brainstorming Session

Date and Time	07.01.2023
Class	I B.Sc (MPC,MPCS & MPE)
No.of students participated	63
Name of the Activity	Brainstorming Session
Title	Discussion on general theory of relativity?
Objective	The objective of a brainstorming session focused on the topic of "general theory of relativity?" could be to explore, discuss, and generate ideas and hypotheses related to this question. It promotes Critical Thinking,Engage Curiosity,Highlight Scientific Method,and Promote Further Study.
Teacher Activity in this session	1. Asking Questions during this session like below a. Who explained the General theory of relativity? b. What is gravity?? c. Who explained the concept of gravity? d. What was the acceleration due to gravity on Earth? e. Brief about general theory of relativity? 2. Encourage students to share their thoughts and

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	ideas without filtering them. 3. Encourage Divergent Thinking Prompt students to think outside the box and consider unconventional solutions or perspectives. Encourage them to push the boundaries of their creativity. 4. Emphasise Learning: Remind participants that the goal of the session is not necessarily to arrive at a definitive answer but to promote curiosity, critical thinking, and a deeper understanding of scientific principles.
Student Activity in this Session	1. Group Sharing : Students in the groups can discuss and refine their hypotheses based on the input from their peers. 2. Debate and Discussion: Organise a debate where students can argue for or against the idea that air forms a shadow. Assign some students to argue in favour of the hypothesis and others against it. This encourages critical thinking and helps students consider different perspectives. 3. Record Ideas: As ideas are generated, write them down on a whitepaper . Ensure that all ideas are captured without judgement or evaluation at this stage.
Documental evidences	https://drive.google.com/file/d/1_To05URVPGA36MI9Q6-JQOQcLQZJ3BA4/view?usp=drive_link
Name of the Lecturers who planned & conducted the activity	Sri.M.V.Satyanarayana Sri R.Ravi kumar Sri B.Mohana Rao Dr.GVS Jayapala Rao 

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= Brain streaming session =

Topic := Discussion on general theory of Relativity.

① $\Rightarrow$ who explain General theory of relativity.

Ans: The nobal prize winner. Albert Einstein.
He explains in between 1907 - 1915.
Albert Einstein discovered photo electric effect.

② $\Rightarrow$ what is gravity?

Ans: * one body attract another body the power is called as gravity.
* gravity discovered newton. he discovered to the centre of gravity.

③ $\Rightarrow$ who explains the concept of gravity.

Ans: newton was the first to develop a quantitative theory of gravity.

④ $\Rightarrow$ what is acceleration due to gravity on earth?

Ans: The numerical value for the acceleration of gravity is most accurately known as 9.8 m/s^2 .

⑤ $\Rightarrow$ general theory of relativity explain?

Ans: General relativity is physicist Albert Einstein's understanding of how gravity affects the fabric of space time. The theory which Einstein discovered.

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Brain storming sessionTopic :-

Q) Discuss on general theory of Relativity?

1) who explain general theory of Relativity?

A:- General theory of Relativity established in 1915 by Albert Einstein. In 1905, Einstein published 2 articles on the special theory of relativity.

2) what is gravity?

A:- It is a force by which a planet or other body draws object towards its centre. The force of gravity keeps all the planets in orbit around the sun. It depends on mass.

3) who explains the concept of gravity?

A:- Newton explains the concept of gravity.

4) what is acceleration due to gravity on earth?

A:- Acceleration due to gravity is represented by G . The standard value of G on the surface of the earth at sea is 9.8 m/s^2 .

5) Explain General theory of relativity?

It is also known as Einstein theory of gravity. According to General theory

of relativity matter causes space to curve.

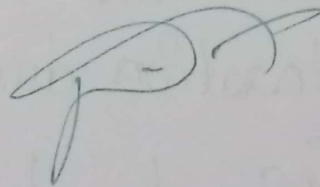
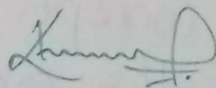
Names:-

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Brain Storming Session:-

Topic :- Discussion on general theory of relativity?

1. who explain general theory of relativity.

A:- It explains gravity based on the way space can "curve" or to put it more accurately it associates the two forces of gravity with the changing geometry of space time.

2. what is gravity?

A:- i) Gravity is the force by which a planet or other body draws objects towards its centre.

ii) the force of gravity keeps all of the planets in orbit around the sun.

3. who explains the concept of gravity?

A:- Legend has it that Isaac Newton formulated gravitational theory in 1665 or 1666 after watching an apple fall and asking why the apple fell straight down, rather than sideways or even upwards.

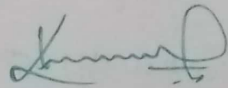
4. what is acceleration due to gravity on earth?

A:- Acceleration due to gravity is represented by "g" the standard values of g on the surface of the earth at sea level is 9.8 m/s^2 .

5. General theory of relativity, explains ?

- A:- i) General theory relativity, also known as the general theory of relativity and Einstein's theory of gravity is the geometric theory of gravitation published by Albert Einstein in 1915.
- ii) the current description of gravitation in modern physics.

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N. Anitha MPC	2222001052034	N. Anitha



1) Discussion on General theory of relativity

- * It explains gravity based on the way space can curve
- * generally relativity also known as the general theory of relativity
- * And it is ^{explained} ~~proposed~~ "Albert Einstein" in 1915

2) Who explain general theory of relativity?

Generally general theory of relativity was established in 1915 by Albert Einstein and he also made important contributions to quantum mechanics

3) What is gravity?

- * Gravity is the force by which a planet or other body draws objects towards it's center
- * Gravity is a force which tries to pull ~~to~~ 2 objects towards each other

4) What is acceleration due to gravity on earth?

acceleration due to gravity on earth is 9.81 m/s^2

5) General Theory of Relativity explains?

General relativity is a physics theory about space and time and it has a beautiful mathematical description

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1) Discuss general theory of relativity?

Ans. General relativity also known as the general theory of relativity and Einstein's theory of gravity. It was published by Albert Einstein in 1915. The general relativity generalises special relativity & subsumes Newton's law of universal gravitation, and is the current description of gravitation in modern physics.

2. Who explain general theory of relativity?

Ans. General Relativity was established in 1915 by Albert Einstein, and the first solution to Einstein Equation were found already in early 1916.

3. What is gravity?

- * Gravity is a force of attraction b/w two objects.
- * All objects with mass have their gravity.
- * Gravity acts like magnet - pulling objects together.
- * What causes gravity is not really known.

4. Who explain the concept of gravity?

Ans. Legend has it that Isaac Newton formulated gravitational theory in 1665 or 66 after watching an apple fall and.

asking why the apple fell straight down, rather than sideways or even up ward.

6. What is the acceleration due to gravity?

* gravity is only significant if, one or both of the objects are very massive (like a planet, star or moon).

* acceleration due to gravity is 9.8 m/s^2 .

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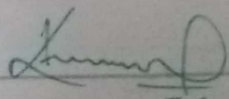
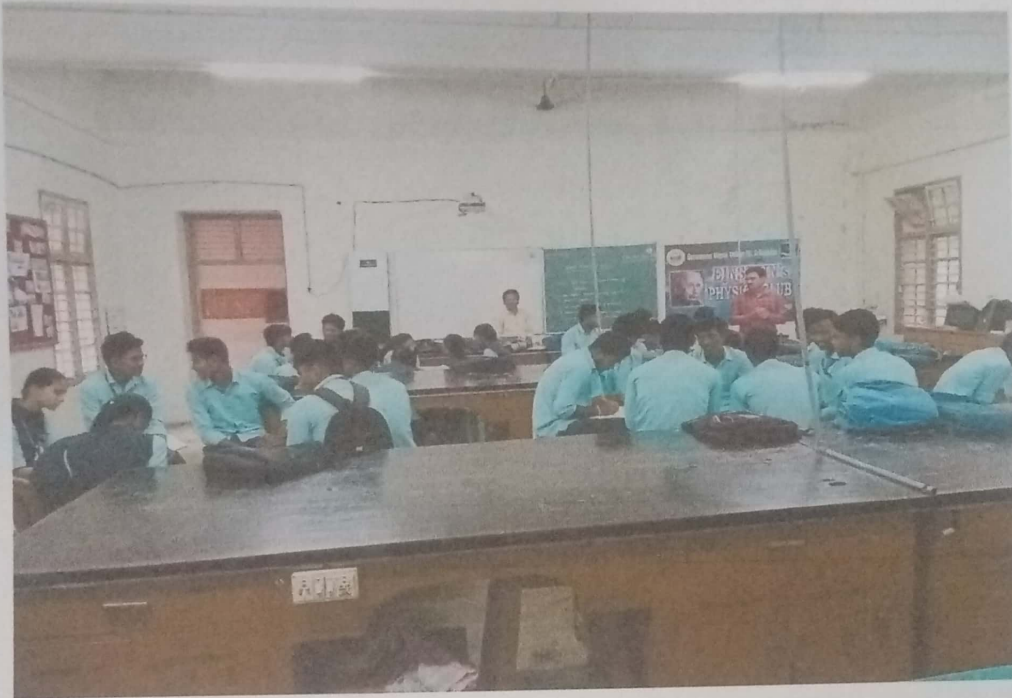
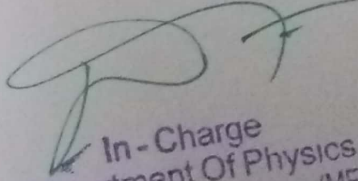


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