

SSES Amt's Science College, Congress Nagar, Nagpur

A Workshop on Special Relativity using 4-Vectors

Session 2018-19

Shri Shivaji Education Society, Amravati's

Science College, congress Nagar, Nagpur

Department of Physics

Session 2018-19

NOTICE

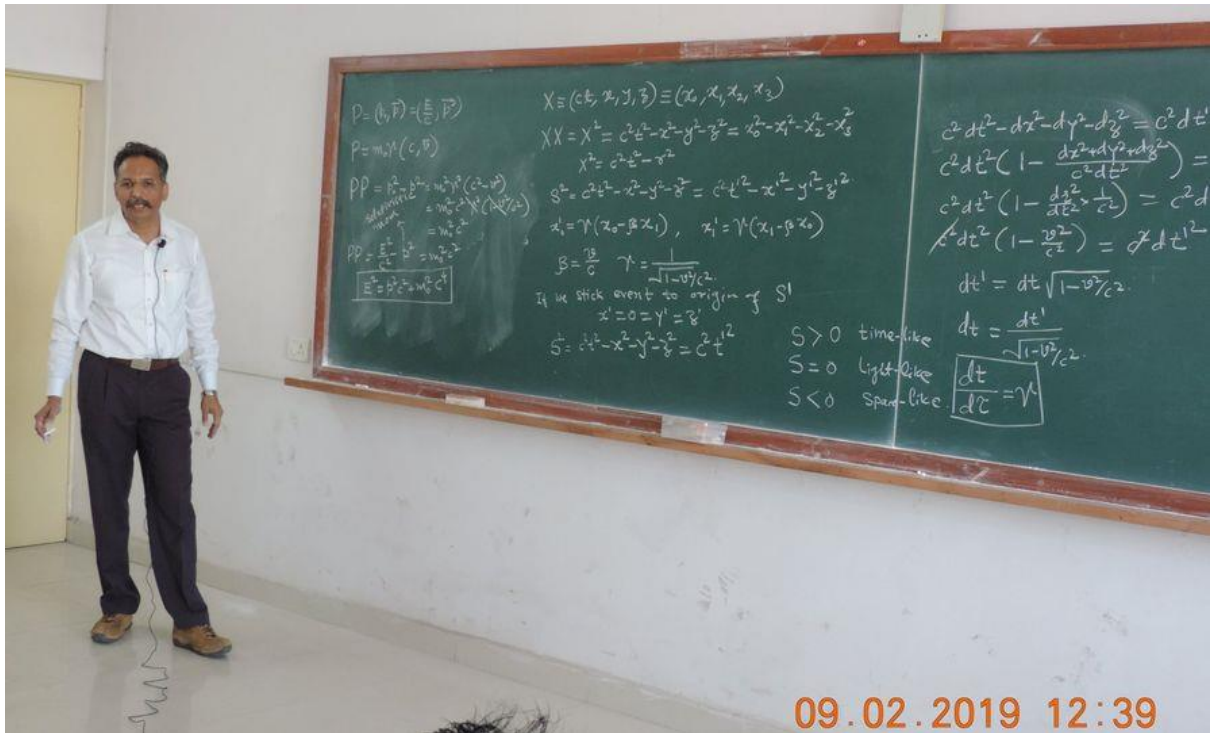
Date: 05/02/2019

All the students and faculty members of department are hereby informed that Department of Physics is organizing **Workshop on Special Relativity using 4-Vectors** dated **09/02/2019**. All students should remain present for the same.



Dr. S. W. Anwane
Professor and Head
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Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE
Congress Nagar, Nagpur.

Head
Department of Physics



09.02.2019 12:39



09.02.2019 12:13



09/02/2019: Dr S W Anwane, Associate Professor and Head deliberated a Workshop on Special Relativity using 4-Vectors. Under Graduate Students of Final Year B Sc and PG students attended the same which was organized by Physics Society. In this short workshop approach of Russian Authors Landau & Lifshitz from the book Classical Theory of Fields was taught and application of this technique was hands on experienced for Compton Effect and famous Berkley Collider problem. Though technique is beyond the University curriculum it forms a powerful tool that advanced students can learn and explore.

Faculty members of Physics Department attended Workshop include Dr S B Khasare (Rtd), Dr S S Darokar (Coordinator PG Programme), Prof C Ruchir Kumar, Prof Ms. Sumedha Tamboli, Prof. Sarang Daf, Prof. Bhaurao Balbudhe, Prof. Pratik Deshmukh, Prof Ms Pratiksha P Dixit, Prof Ms Akshya Kothare and post graduate students attended his venture. Principal Dr C J Chandekar appreciated the academic activity.

Action Taken: In this workshop, students were introduced with the concept of 4-vectors and their role in special relativity highlighting the key topics, activities, and outcomes, providing a concise overview of the learning experience and takeaways. Group activities were held exploring spacetime geometry and relativistic phenomena. Questions and answers sessions and debates on the implications of special relativity were held. Participants were encouraged to explore further applications of 4-vectors in relativistic physics.

**Shri Shivaji Education Society Amaravati's
Science College, Congress Nagar, Nagpur
Department of Physics**

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09/02/2019

Name of Teacher : Dr. S. W. Anwane

Feedback Form

Name of Student :

- 1) How clear were the instructions provided for the physics activities?
 Excellent
 Good
 Average
 Poor
- 2) How engaging did you find the physics activities?
 Excellent
 Good
 Average
 Poor
- 3) To what extent did the activities help you grasp the key concepts ?
 Excellent
 Good
 Average
 Poor
- 4) How appropriate were the difficulty levels of the physics activities for your current understanding?
 Excellent
 Good
 Average
 Poor

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Dr A A Halder
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