



**DCT's
Dhempe College of Arts and Science
Miramar, Panaji, Goa**

**Report on BOSON 3.0
Quarks Club, Department of Physics**

Objective

The objective of BOSON 3.0 was to promote interest in the subject of physics and provide students with a platform to enhance their knowledge, creativity, and analytical skills. Through a series of academic and creative competitions including debate, play, quiz, fashion show, reel making, and satellite model making, the event aimed to encourage scientific thinking, teamwork, and active participation while fostering a spirit of healthy competition and continuous learning.

Report on the Event

The Quarks Club of the Department of Physics, under the DBT Star College Scheme organized a physics-based inter higher secondary event BOSON 3.0, on 6th November 2025. With the participation of 60 students and their faculty mentors from five higher secondaries across Goa: St. Andrew's HSS (Vasco), Don Bosco HSS (Panaji), DCT's Vasantrao Dempo HSS (Cujira), Dr. K B Hedgewar HSS (Cujira), and Purushottam Walawalkar HSS (Mapusa), the event was a vibrant showcase of talent and innovation.

The event began with the inaugural session, graced by the presence of **Mr. Satish Palyekar**, Acting Principal & the Head of Department of Shipbuilding Engineering, Institute of Shipbuilding Technology (ISBT) the chief guest, the Principal, **Prof. Dr. P. S. Ramu Murthy**, Vice Principal and Head of the Department **Dr. Swati Pawar**, Event Coordinator **Dr. Miskil Naik**, and the President of Quarks Club **Ms. Sonal Rane**.

In his welcome address the principal emphasized the importance of academic and scientific events in nurturing young minds.

Following this, the ceremonial lighting of the lamp was carried out, by the dignitaries along with the student coordinators, marking the formal inauguration of BOSON 3.0. Floral gratitude was then expressed to all the dignitaries as a token of appreciation.

Dr. Swati Pawar, the Head of the Department and Vice Principal, addressed the gathering with an inspiring speech that set a motivating tone for the day. Following which, Dr Miskil Naik, the Event Coordinator, formally introduced the Chief Guest Mr. Satish Palyenkar to the audience. The Chief Guest expressed his gratitude to the college and noting his impression of the event's name, "Boson." He encouraged the students to focus on the value of participation and learning new things rather than just winning the

competition. He emphasized that learning is a continuous process, stating that "the more you learn, the more you grow." Following this, Ms. Sonal Rane, President of the Quarks Club, proposed the vote of thanks thanking the faculty, attendees, and specifically the student coordinators for their dedicated efforts.

The event featured a range of on-stage competitions, while off-stage competitions took place simultaneously. Prior to the main event, a **Logo Making Competition** was held on **8th October 2025**, the winning design of which has been adopted as the official logo for BOSON 3.0. The major highlight was the **Cosmic Collisions**, a debate competition, which focused on the "Ethical implications of the use of physics to build weapons". This was followed by the "**Quantum Act**," a physics-themed play that demonstrated how to creatively include difficult physics terms and complex theories in a dramatic performance. Simultaneously, off-stage competitions like the **Satellite Model presentation** and **Reelativity** (reel making) were held, allowing students to demonstrate their technical and digital skills.

Post-lunch, the creative reels produced by the students were shown to the entire audience, showcasing their ability to communicate science through digital media. This was followed by the final round of the **Celestial War**, quiz competition and **Galactic Glamor** the grand fashion show, where participants used elegance and creativity to represent physics themes on stage. The event concluded with a formal **valedictory** session. During this ceremony, the winners of the various competitions were recognized for their exceptional talent and awarded prizes. Closing remarks were delivered to express final gratitude to the organizing committee and the participating colleges, marking BOSON 3.0 as a resounding success that provided a holistic platform for learning and left all attendees with lasting memories.

Judges for the event

1. Cosmic Collisions (Debate): Mrs. Varsha Virginkar, Mr. Clyde De Araujo
2. Quantum Act (play): Mrs. Clarinda Dias, Mrs. Anju Sakhardande
3. Reelativity (Reel Competition): Mr. Clyde De Araujo, Mr. Tanay Naik
4. Galactic Glamor (Fashion Show): Ms. Sendra Pereira, Mr. Tanay Naik, Ms. Syble Dias

Overall Winners

- 1st Place: St. Andrew's Higher Secondary School, Vasco
- 2nd Place: Dr. K B Hedgewar Higher Secondary School, Cujira
- 3rd Place: DCT's Vasantrao Dempo Higher Secondary School, Cujira

Glimpses of the Event



Dr. Miskil Naik
Coordinator, Quarks Club

Dr. Swati Pawar
Head, Department of Physics

Prof. (Dr) P.S. Ramu Murthy
Principal

Attendance Record

DCT's
Dhempe College of Arts and Science
Quarks Club
Department of Physics
Inter-Higher Secondary Event
'BOSON 3.0'



Attendance Record

Date and Day: 06/12/2025 - Saturday

Venue: SV Hall

Sr no	Name of the Student	Roll No	Class	Subject	Sign
01	Sangeeta Nipanikar	2506110	F.Y.BSc	Phy/chem	Sangeeta
02	Shilpa Sardar	2506111	F.Y.BSc	Phy/chem	Shilpa
03	Saloni Gupta	2506249	F.Y.BSc	Maths/CS	Saloni
04	Piyusha Tan	2506266	F.Y.BSc	Chem/Creo	Piyusha
05	Sanchita Sewant	2406186	SY.BSc	Phy	Sanchita
06	Chaitra V. Kamble	2302047	TY.BSc	Phy	Chaitra
07	Angelica Fernandes	2506101	F.Y.BSc	Phy	Angelica
08	Mailec K.V. Banerdo	2506293	F.Y.BSc	Physics	Mailec
09	Nishka Gaure	2506104	F.Y.BSc	Phy	Nishka
10	Pinky Chodankar	2506105	F.Y.BSc	Phy.	Pinky
11	Kabir Fidwani	2506103	F.Y.BSc	Phy	Kabir
12	Omkar Dhuni	2302149	TY.BSc	Phy	Omkar
13	Prachi Chopdenkar	2302055	TY.BSc	Phy	Prachi
14	Ojaswi Durbhatkar	2302148	TY.BSc	Phy	Ojaswi
15	Shubham Rane	2506252	F.Y.BSc	Phy Maths	Shubham
14	Gautam Chodankar	2506255	F.Y.BSc	Phy Maths	Gautam
15	Anjali Sahani	2506246	F.Y.BSc	Phy	Anjali
16	Raja Pandit	2506247	F.Y.BSc	Maths	Raja
17	Harsh Gharde	2406154	SY.BSc	Phy	Harsh
18	Sara Shreelata Bhatmaji	2406170	SY.BSc	Physics	Sara
19	Shreya Pednekar	2406187	SY.BSc	Physics	Shreya
20	Agnella R. Fernandes	2406166	SY.BSc	Physics	Agnella
21	Niranjan Palkar	2506328	F.Y.BSc	Physics	Niranjan
22	Royston Gracias	2506108	F.Y.BSc	Physics/Chem	Royston
				MC-Hist, Vac-Hist	



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