SPARQ 2026

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ABOUT US

SPARQ (Statistical and Probabilistic Analysis of Real-life Quant) is a premier technical event under the banner of INTEGRATION, the annual fest of the Indian Statistical Institute, Kolkata. Rooted in the institute's legacy of excellence in statistics, mathematics, and data science, SPARQ celebrates the power of analytical thinking and quantitative reasoning.

The event brings together participants passionate about data, probability, and real-world problem-solving. Through engaging challenges and intellectually stimulating rounds, SPARQ provides a platform for budding quants and analysts to apply statistical insights to complex, practical scenarios. It embodies the spirit of curiosity, precision, and innovation – where data transforms into discovery, and analytical minds converge to solve the unsolved.
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IMPORTANT DATES

A. JUNIORS (XI & XII)

Event	Date
Registration Open	November 10, 2025
Transaction Deadline	December 31, 2025 (23:59:59)
Examination Day	January 3, 2026
Final Results	Within 1 week
Camp	Jan 10, 2026 (Tentative)

IMPORTANT DATES

B. SENIORS (Undergrads)

Event	Date
Early Bird Registration (For Exam + Workshop)	November 10 - December 25, 2025
Late Registration (Only for Workshop)	December 26, 2025 - January 16, 2026
Examination Round 1	January 4, 2026
Camp Registration	January 10- January 30, 2026
Examination Round 2	Starts within 1 week of Round 1
Workshop	3rd Week of January 2026
Final Results	By Last week of January 2026
Camp	1st week of February, 2026 (Tentative)

EVENT STRUCTURE

SPARQ JUNIOR (XI & XII)

- The examination will be conducted in an online proctored mode for a duration of 2 hours. The test will comprise multiple-choice questions (MCQs) only.
- Participants will be added to a Google Classroom prior to the exam for instructions, resources, and access to the test link.
- The examination will be strictly proctored via Google Meet, and all candidates must keep their cameras on throughout the duration of the test.

SPARQ SENIOR (Undergraduates)

- **ROUND 1**

A 2-hour online exam hosted on CodeChef, featuring MCQs and Integer-type questions. Designed to test problem-solving and competitive programming aptitude.

- **ROUND 2**

A 1-week online hackathon sponsored by QuantInsti hosted on a platform (similar to Kaggle). Participants will build and submit models/solutions to a real-world problem statement. Platform details will be shared prior to the round.

SYLLABUS

SPARQ JUNIOR* (XI & XII)

- **Algebra** - Set Theory, Quadratic Equations and Complex Numbers, Matrices and Determinants, Sequences and Series, Binomial Theory, Permutation & Combination.
- **Calculus** - Limit, Continuity, Differential Calculus, Integral Calculus, Differential Equations.
- **Coordinate Geometry** - Straight Lines, Circles, Conic Sections.
- **Statistics & Probability**, **Trigonometry**
- **Puzzles**

Syllabus and difficulty level will be at par with JEE Mains

SPARQ SENIOR* (Undergraduates)

- ROUND 1
  - Linear Algebra
  - Calculus - Limit, Continuity of Sequences, Differential Calculus, Integral Calculus.
  - Statistics & Probability
  - Puzzles

- ROUND 2

A week long hackathon (open modeling/prediction problem) based on data science and quantitative finance concepts in collaboration with QuantInsti.

*Any changes made by the organizers in the Event Structure will be considered final.

CAMP DETAILS

SPARQ JUNIOR (XI & XII)

- Top performers will be awarded cash prizes, and the top 10% will earn an exclusive opportunity to attend an online session led by distinguished professors from **ISI** and **IITs**.

- Top performers will receive a certificate of merit. All participants will receive a certificate for participatition.

SPARQ SENIOR (Undergraduates)

- Participants who register will get the opportunity to attend an exclusive **workshop** conducted by **QuantInsti**, professors from IIT and ISI, and experts from **CAIML** – a prominent AI/ML research lab at ISI Kolkata.
- The Best Performers in both the rounds will get **Merit Certificates** & an opportunity to join a two day - long **Industry Interaction Camp**, where they will engage with leading professionals from firms such as **J.P. Morgan**, **Standard Chartered**, **Goldman Sachs**, and other top-tier financial institutions.
- Participation Certificates will be awarded to all those who register for the exam.
- Certificate(s) will be awarded for attending the Workshop &/or Camp.

PAYMENT DETAILS

A. <u>JUNIORS</u>

Event	FEES
Registration	Rs. 200/-

B. <u>SENIORS</u>

Event	FEES
Early Bird Registration (For Exam + Workshop)	• Rs. 300/- (Only through Campus Ambassadors) • Rs. 330/- (For single entries)
Late Registration (Only for Workshop)	Rs. 700/-
Camp Registration	• Free (for the best performers) • Rs. 1000/- (for others)

Contact Us

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