



SPECIALS

PAPER PRESENTATION

About:

Quark 2019 is hosting a paper presentation event with an objective to encourage talented and skilled young engineering students to showcase their creative original work in the domain of research. Given the difficulties involving undergraduate publication, we offer undergraduate students from any engineering or science stream an opportunity to present their research work.

We intend this to be an open platform for presenting innovative ideas through research papers and competing with peers in the field of engineering. We invite you to showcase your innovative ideas on this platform which will be judged by an experienced panel of Professors.

Categories:

- Mechanical and Chemical Engineering
- Electronics, Instrumentation and Computer Science
- Sciences
- Humanities, Economics and Management

Competition Format:

- While the final event that takes place on campus is a presentation by the group that worked on the project, we will require you to submit the abstract of your paper to us ahead of the competition, which would form the preliminary round in the competition. We will select the best papers based on the abstracts. The decision of the judges and the organizers shall be final and abiding vis-a-vis the selection of the papers for the final presentation.
- The last date for the submission of the abstract and the paper is 9th January 2019.
- The groups whose papers are selected will have to come over to our campus to give a presentation. A presentation has to be created by the team based on their paper which should be presented in the presence of the judges. Each group will be given 10 minutes to present on their paper, followed by a questioning period by the judges of up to 5 minutes. Use of visual aids, like a PowerPoint presentation, are encouraged. Each group can have a maximum of 4 participants.
- We will be judging the participants not only based on the presentation but also on the paper submitted, with equal weightage for both components.

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Round 1:

- Participants should mail their abstracts and papers to Pavan Patel by the 9th of January and mention their registration number, category, and topic in the body of the mail.
- The abstract should not be more than 500 words long and should attempt to capture the essence of the paper. Abstracts should state clearly and concisely the problem, the methodology used and central conclusions, and may include figures and graphs.
- Please ensure that your abstract matches the following:
 - The first sheet is blank, but for your project title, names of the team members and their respective institutes.
 - The last sheet, following the abstract, may have a list of references – websites, books, journals and so on, which amply support the ideas or solutions implemented or proposed.
 - The information in the abstract should not be very descriptive or vague. It is recommended that vital aspects of the project that require special focus be mentioned as bold points.
- Teams selected from the first round will have to give their presentation in Quark 2019. We will mail the groups whose papers have been selected.
- Those who are selected for the final round are required to e-mail Pavan Patel. The mail should consist of the following:
 - Acknowledgement that you are aware of you being selected.
 - Details of all the team members: Names, Departments, Phone numbers and College.
 - You must send in your paper by this time, in case you hadn't already.
- For the final round, the participants will have to give their presentation in Microsoft PowerPoint.
 - Only picture clippings and graphs may be used.
 - Recorded dialogues or movie clippings are not allowed.
 - We will provide a computer for presentation. The teams will get 1 minute to set up their presentation and 10 minutes to present their idea.
- Exceeding the time limit carries penalties: 2 points for up to 2 minutes extra, 15 points for between 2 and 5 minutes extra, and 20 points for more than 5 minutes. Please keep your presentation concise.

Guidelines and Regulations:

- Each group can have a maximum of 4 participants.
- The paper you wish to submit should, preferably, be a research paper. However, you can submit papers on experiments, project work or reviews.
- Any sort of plagiarism is frowned on and discouraged. Any sort of plagiarism will lead

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to disqualification.

- The papers should have proper references/ citations.

Judging criteria:

- The submitted papers will be marked on a scale of 1-10 on the basis of the following criteria:
 - A concise, informative abstract.
 - Adequacy of introduction and background to the topic on which the paper is based on.
 - Logical development and analytical treatment in the body.
 - Adequacy of conclusion to the paper.
 - Factual and technical accuracy in the paper.
 - Originality of ideas, experimental procedure, design, and results or conclusion.
- The presentation on campus will be judged on the following criteria, with a similar marking scheme:
 - Organization of presentation – that is, it has a recognizable introduction, body, and conclusion.
 - Logical development through the presentation.
 - Poise, eye contact and platform manners.
 - Clarity and directness in exposition.
 - Apparent technical and factual accuracy, and students' grasp of the subject matter.
 - Discussions and the ability to answer the judges' questions. Abstracts to be emailed at specials.quark2019@gmail.com

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SCHOOL BAG

Schoolbag is a mixed bag of events, interactive sessions and workshops, or Guest talks, designed for the participation of students of Secondary and Higher Secondary Schools. It has events ranging from education, to arts and fun. The aim of this event is none other than to provide an opportunity for the Secondary and Higher Secondary students to visit BITS Pilani Goa Campus during the technical festival Quark, to explore innovative technical projects and exhibits, and to participate in exciting events. The competition promote education and learning of our young minds and nurture the potential within them. We plan to have a quiz, debate and a science fair as part of this conglomeration, in separate categories for secondary and higher secondary schools.

Their four main competitions:

- A Quiz
- A Debate
- A cryptography Competition
- A Science Exhibition

1) Quiz

The Schoolbag 2019 Quiz will be one on general knowledge with a generous sampling of questions on Science and Technology in which students from the schools of Goa get to test their quizzing aptitude and the depth of their general knowledge.

2) Debate

In the Schoolbag 2019 Debate, participants must lock horns in verbal combat and stun their opponent in a volley of cogent rebuttals.

3) Cryptic Writings

Cryptography is an exciting field. It involves hiding messages in what appears to be random text. We will be teaching everyone basic cryptography like shift ciphers, box ciphers and such – after which will show you a few questions based on the same. The three teams that solve the questions fastest will be allotted points, and the teams with the most points at the end will be the winner. This event involves learning something new and then applying the knowledge just learned to a set of questions that we have set specially for school students. This event will be a wealth of experience for students.

4) Imagine India

As a developing country, India faces a lot of common problems, both big and small. As young citizens of India, we are the future of this country and we need to be the source of the solutions to all the little problems that plague our country. We will be posing basic problems that

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our country faces and look for solutions from the school students of modern India.

5) Science fair

Science Fair is an opportunity for school students to present working models/demonstrations based on science and technology during Quark 2019. This is your chance to give your project the exposure it deserve.

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