

## F. Registration

- ❖ All students, individuals and teams, must register as per the format given.
- ❖ Each team must have a Team Leader identified.
- ❖ Complete project and all additional materials must be submitted on or before 25<sup>th</sup> December, 2019
- ❖ **Project proposals for KVRSS SPARK Innovation awards and KVRSS-CCMB SPARK Innovation awards should be submitted separately clearly mentioning in bold letters for which section the proposal is being sent.**
- ❖ Registration and submission of a project does not guarantee an entry into the final Presentation.
- ❖ Projects selected for final presentation will be intimated by 5<sup>th</sup> January, 2020
- ❖ Final presentation of selected projects will be held on 25<sup>th</sup> January, 2020 at Hyderabad
- ❖ Team Leader along with an escort (guide teacher or parent) of all out-station teams selected for final presentation shall be paid to & fro second class train fare. Multiple teams from same school shall be accompanied by one adult escort only.

### NOTE:

Projects that are just informational, working-models, kit building or downloads from internet will not be considered. A project maybe a part of a larger study performed by professional scientists, but the project presented by the students must be only their own portion of the complete study.

Scientific fraud and misconduct are not condoned at any level of research or competition. This includes plagiarism, forgery, use or presentation of other researcher's work as one's own and fabrication of data. Fraudulent projects will fail to qualify for competition.

Students have to send the information as per the following format to register.

Name of the student : \_\_\_\_\_  
Class & Date of birth: \_\_\_\_\_  
Address : \_\_\_\_\_  
Mobile number : \_\_\_\_\_  
email address : \_\_\_\_\_

Official school name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone number: \_\_\_\_\_  
Mobile number: \_\_\_\_\_  
Principal's name: \_\_\_\_\_  
Mentor's name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Mobile number: \_\_\_\_\_  
email address: \_\_\_\_\_

Number of Students in the Team: \_\_\_\_\_  
Title of the Project : \_\_\_\_\_

Passport  
Colour Photo

\* All students in a team must submit the above details.

### Tips to choose the right projects:

- Talk to the faculty at a nearby college, university or research institute.
- Search online, ask teachers, study science books, etc.
- Contact judges from earlier science competitions.
- Contact people who write science articles.

**Students may also refer to the following websites for ideas:**

Google Science Fair  
Intel International Science and Engineering Fair  
Siemen's Foundation  
Regeneron Science Talent Search

**Date of Final Presentation: 25<sup>th</sup> January 2020**

### Venue:

Siddhartha Nagar Welfare Association, Indoor Stadium and Cultural Centre,  
8-3-169/163, Siddhartha Nagar, Near Kalyan Nagar Junction,  
Vengal Rao Nagar, Ameerpet, Hyderabad.



## Dr. K.V. Rao Scientific Society

"FRIENDSHIP HEIGHTS"

8-3-169/84, Siddhartha Nagar, Vengal Rao Nagar PO, Hyderabad - 500 038,  
Visit us: [www.kvrss.org](http://www.kvrss.org), Mail us: [drkvrss.sciencefair@gmail.com](mailto:drkvrss.sciencefair@gmail.com), [contact@kvrss.org](mailto:contact@kvrss.org),  
Mobile: 98499 90794, 70936 01588, 70936 00794, 99594 44933.

# 9<sup>th</sup> Annual Science Fair

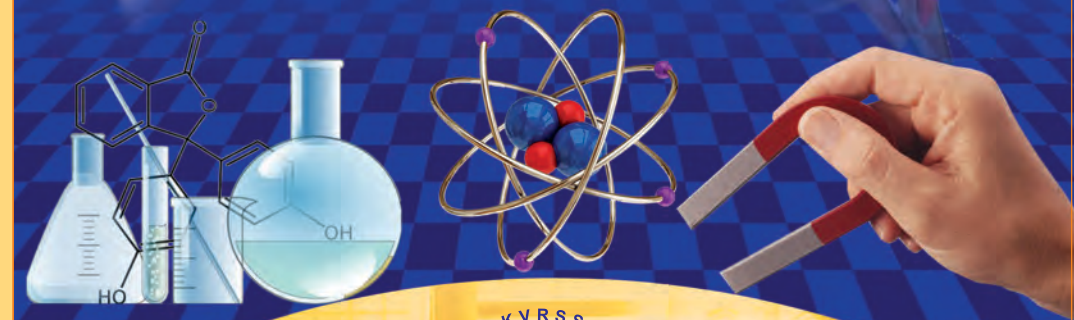
# SPARK

## Innovation Awards

## 2019-20

## Inter-State Science Fair

(Telangana, Andhra Pradesh, Karnataka, Tamilnadu & Kerala)



KVRSS



TAMASOMA JYOTHIRGAMAYA

FRIENDSHIP WITH SCIENCE

## Dr. K.V. RAO SCIENTIFIC SOCIETY

## I. Philosophy behind the SPARK Innovation Awards:

KVRSS is a not-for-profit Society, dedicated to the promotion of science among youth, specially school children. With a view of fostering spirit of scientific enquiry and promoting innovation among school children, KVRSS holds an annual science fair wherein the **SPARK Innovation Awards** are given for entries displaying harnessing of scientific concepts for solutions to every-day issues through some novel concept/method/process/device.

The Spark contest aims to encourage innovation among school children through an inter-school competition wherein the Spark Innovation Awards would be given to the children who come up with the most original exhibits/concepts in the fields of Biology, Food Sciences, Physics, Chemistry, Computer Science and Mathematics including – but not limited to all branches of science like Earth and Environment Sciences, Electricity and Electronics, Robotics, Energy. The competition is open to all students from the states of Telangana, Andhra Pradesh, Karnataka, Tamil Nadu and Kerala.

## II. What we are looking for:

The proposals should focus on innovative ideas of students and not a mere compilation of ideas or project – work downloaded from the internet.

## III. SPARK 2019-20

### A) KVRSS SPARK Innovation Awards

The competition is open to school students from classes 7 to 12 in the age group of 12 - 18 years as on 31<sup>st</sup> December, 2019. All students must have permission/certificate from the school or parent or legal guardian to enter the Competition. The decision regarding the students' eligibility to participate rests with KVRSS - who in turn will constitute selection committees consisting of eminent science teachers – both school and university level. The decisions of these expert committees will be final.

### B) KVRSS-CCMB Collaborative SPARK Innovation Awards

**In collaboration with CSIR - Centre for Cellular and Molecular Biology (CCMB), Hyderabad, a premier research institution in the frontier areas of modern biology, KVRSS introduces an additional category of SPARK awards. This category of projects will be based on a theme given by CCMB and open to students of classes 9 to 12.**

**The theme this year is “Climate Change Challenge”.** We invite entries on how climate change affects your local ecosystem and living quality, and how you propose to alleviate the situation. We will evaluate your entry on how deeply you understand the effects of climate change on your surroundings, how innovative and feasible your proposed solution is, and how you might engage with implementing the idea given a chance. We encourage it if you are also able to show us a proof of concept of your idea.

**Students may submit projects on this theme as per the same guidelines as for the regular categories.**

**Students from the selected projects will be taken for a nature walk with ecologists and a visit to CCMB's Laboratory for Conservation of Endangered Species (LaCONES). They will have a hands-on experience of the cutting edge research done in the LaCONES and interact with the scientists there. The decision regarding the students' eligibility to participate rests with KVRSS and CCMB - who will constitute selection committees. The decisions of these expert committees will be final.**

**Note :** The above awards will be given in addition to the regular awards given each year by KVRSS for SPARK Innovation event. Project proposals should be submitted separately for the two sections (A and B) of awards.

### A. Entry requirements from participants:

- ❖ **Summary:** A brief overview of project in English.
- ❖ **Particulars of the Team:** (to be filled as in the attached format).
- ❖ **Proposal:** A brief description of the issue being investigated, its importance/relevance, methodology pursued and the expected result.
- ❖ **Research:** A write up of the research undertaken for finding the solution.
- ❖ **Materials & Method or How:** Detailed description of the experiment/s or design.
- ❖ **Results or What was found:** Experimental data of the experiments or testing, and analysis of the data.
- ❖ **Discussion:** Interpretation of results.
- ❖ **Conclusion/Report & Future Work:** Details of the outcome of the result and an explanation of the results obtained.
- ❖ **Bibliography, References and Acknowledgements.**

## B. Awards:

**The awards would be given in the following categories for each section of competition:**

### Section A: KVRSS SPARK Innovation Awards

Two Categories:

- i). Category A: Class 7 to 9
- ii). Category B: Class 10 to 12

and

### Section B : KVRSS-CCMB Collaboration SPARK Innovation Awards

One Category only: Class 9 to 12

Awards given in each Category will be :

Winners	Rs.10,000/-only
Runner-up I	Rs. 7,500/- only
Runner-up II	Rs. 5,000/-only

In Section B, the students selected for presentation will also get to spend a day with ecology researchers at LaCONES-CCMB.

## C. Judging Criteria:

1. How inspiring is the idea?
2. Capacity to make impact in some way.
3. Interest & Creativity demonstrated by the team.
4. Knowledge and use of scientific concepts.
5. Interpretation of results.
6. Presentation and communication skills.
7. **Decision of Judges is final & no communication in this regard will be entertained.**

## D. Eligibility:

1. Each school may send multiple projects; however, a student can be part of only one project.
2. A student must be:
  - a. In classes 7 to12 for KVRSS SPARK Innovation Awards and
  - b. In classes 9 to 12 KVRSS-CCMB SPARK Innovation Awards
  - c. In the age group of 12 - 18 years
3. Abstracts and additional material must be in English.
4. A team may have a maximum of **three members** and from the same school.