



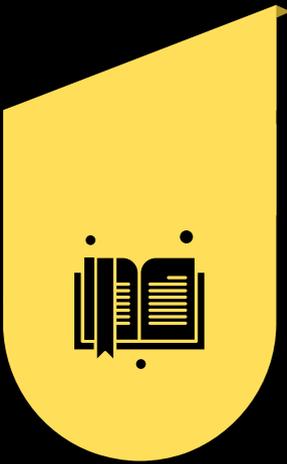
# IEEE E-REKA

*Inspire...Empower...Encourage...Engage...*

# PROSPECTUS

A movement to raise the National High School Science & Technology literacy level using College youth as "Ambassadors of Education"

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# ABOUT EU-REKA

**Eu-Reka is an Educational Movement aimed to improve India's Educational Reka. It is an initiative to ensure inclusive and equitable quality education and to promote lifelong learning opportunities for all levels of society. EU-REKA is a flagship event of IEEE Education Society, Pune Section, where college students are empowered, and encouraged as 'Ambassadors of Education' with the prime objective "to raise the educational Reka of the nation". Here, 'Reka' in many Indian languages means a 'Line'. Hence, the word 'Eu-Reka' symbolizes the 'National Literacy Level'. Eu-Reka is an initiative to elevate the Educational Reka (line) of all levels of society and is an event for the graduating students. Eu-Reka empowers and encourages College students to promote education as 'Ambassador of Education' and work on:**

- **To develop interest and curiosity among various society-level students to promote equitable quality education for all. This initiative shall support lowering the student drop-out rate in high school education**
- **To encourage girl students to pursue higher education in STEAM**
- **To Increase the confidence, self-esteem, and aspirational level of the students to enable them to make the decisions**
- **To empower and encourage students to make appropriate decisions while pursuing higher education**





**Prof. G.S. Mani**

## **MESSAGE FROM GENERAL FOUNDING CHAIR**

Dear Partners in Eu-Reka,  
Eu-Reka is a promotional program for encouraging school children to study further, in particular those in rural areas and girls. With more than 1.5 million engineering students passing out of our colleges, where else should we look for promoting this program? Guys, you are one of the biggest knowledge bases that we have, and India trusts you. Get involved in this Nation building activity, become an 'Ambassador of Education', and motivate your juniors to go for further studies. Assure that India is in safe hands.

HAPPY EU-REKA JOURNEY !!

GS Mani  
General Founding Chair | EU-REKA





## ABOUT



# IEEE

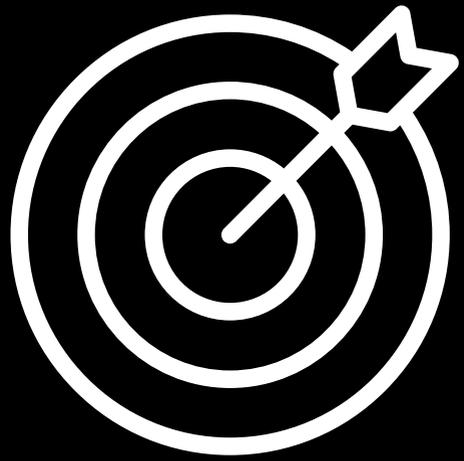
*Advancing Technology  
for Humanity*

IEEE stands for Institute of Electrical and Electronics Engineers. It is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE has over 426,000 members in more than 160 countries.

IEEE's mission is to "to foster technological innovation and excellence for the benefit of humanity." IEEE plays a vital role in Supporting STEM education. IEEE has various initiatives aimed at addressing societal challenges and benefiting underserved communities

IEEE is a trusted voice for engineering, computing, and technology information around the globe. I

IEEE is a valuable resource for engineers and technologists. IEEE's programs and activities help to advance technology for the benefit of humanity. IEEE also provides a variety of resources to help engineers and technologists succeed in their careers.



## OBJECTIVES

### ➤ Exposure

Expose high school students to advanced state-of-art technologies

### ➤ Operation Hub

Promote gender equality by encouraging girls in high schools for higher education

### ➤ Inclusiveness

Promote educational inclusiveness, bridging urban-rural literacy gaps in high schools

### ➤ Reduce Drop-outs

Encourage high school students to pursue science & technology studies, reducing drop-out rates

### ➤ Knowledge Sharing

Facilitate college students interaction with urban and rural high schools, sharing advanced technology knowledge



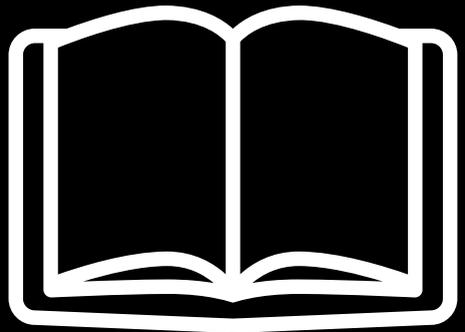


# EVALUATION CRITERIA

- Technical content delivery
- Motivational abilities for Eu-Reka's goals
- Pedagogical tool utilization
- Utilization of IEEE educational resources

# ELIGIBILITY CRITERIA

- Full-time Bachelor's students in Engineering/Technology/BCA/ Science
- Teams of 2 to 4 members (One girl member required)
- At least one team member must be an IEEE member





## **INTERACTION WITH SCHOOLS**



- **Interact with 4 schools (1 in rural area)**
- **Choose one track for interaction**
- **All interactions must be in-person**
- **Feedback forms from schools is must**

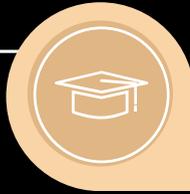




# GUIDELINES

## FOR MENTORS

Mentors can be both  
from Industry or  
Academia



It is not necessary  
for a team to have  
mentor

The mentor  
needs not to be  
an IEEE Member



Mentor's role will be  
to guide the team  
and help them  
whenever required





**TOPIC**

## **TRACKS**

- ◆ **Technologies for Agriculture, and Food Processing**
- ◆ **Technologies for Environment, Climate change, and Natural Disasters**
- ◆ **Technologies for Virtual Education of Science and Technology**
- ◆ **Technologies for Rural Development & Women Welfare**
- ◆ **Medical technologies for health and Wellbeing**



# PHASES

## Phase 0

Preparation for the teams

## Phase 1

Presentations/Interactions with schools; forms submitted to EU-REKA team

## Phase 2

Selected teams (based on feedback scores) called for presentations

## Phase 3

Shortlisted teams called for final presentation

## Phase 4

Finalizing the awardees





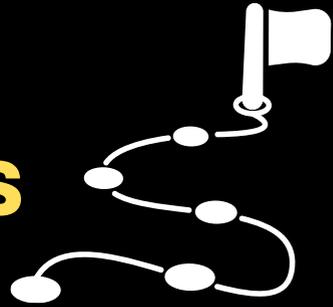
# DISQUALIFICATION NORMS

Teams tend to be disqualified with immediate effect, if:

- The eliminated teams shall be disqualified at the moment of the elimination point
- There is no IEEE Student Member in a Team or not an active member
- There is no Girl student in a Team
- The team consists of only one student or more than four students
- The Team fails to visit and Interact with four Schools
- A mentor participates in school visits or interactions
- A team member found:
  1. completed with graduation;
  2. Registered as a part-time student for any aforementioned bachelor's degree
  3. If the high-school feedback is found incomplete or ambiguous/suspicious



# MILESTONES



	2021	2020	2019	Total
VOLUNTEERS	529	458	450	1437
STUDENTS IMPACTED	15,081	11,458	15,742	42,281
SCHOOLS REACHED	289	179	208	676



# OUR PARTNERS



IEEE Antennas and Propagation Society

Leap & Scale



Society for Data Science

IEEE Education Society, Pune Chapter



IEEE Pune Section JCAME Chapter

IEEE Pune Section





# CONNECT WITH US



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