



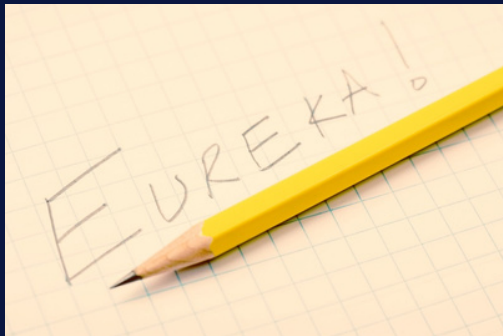
IEEE E-V-REKA

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

GUIDE

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

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ABOUT IEEE EU-REKA

IEEE Eu-Reka, the flagship event of Pune Section is a groundbreaking initiative dedicated to ensuring inclusive and equitable quality education for all, fostering lifelong learning opportunities across every stratum of society. This event empowers and inspires college students to become 'Ambassadors of Education,' with the profound objective of elevating the nation's educational standards. This visionary initiative is committed to advancing the Educational Reka, uplifting all levels of society, and heralding a new era of educational excellence for school children, graduating students and beyond.

Empowering Ambassadors of Education initiative focuses on:

Fostering Curiosity and Engagement: Cultivating interest and curiosity among students to promote equitable quality education for all, while reducing high school dropout rates.

Encouraging STEM Pursuits: Motivating school children to pursue higher education in Science and Technology (S&T).

Empowering Girls: Boosting the confidence, self-esteem, and aspirations of girl children.

Guiding Educational Choices: Assisting children in making informed decisions regarding their higher education paths.





Prof. G.S. Mani

MESSAGE FROM GENERAL FOUNDING CHAIR

Dear Partners in IEEE Eu-Reka,
IEEE Eu-Reka is a promotional program for encouraging school children to study further, in particular those in rural areas and girls. With millions of S&T students passing out of our colleges annually, 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 mission, 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 | IEEE EU-REKA





ABOUT

IEEE
140
1884 - 2024
YEARS

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

IEEE has:

- Over **460,000** members in more than **190** countries, with more than **66** percent from outside the United States
- More than **171,000** Student members
- **344** Sections in ten geographic Regions worldwide
- **2,709** Chapters that unite local members with similar technical interests
- **3,635** Student Branches at colleges and universities in over **100** countries
- **4,194** Student Branch Chapters of IEEE Technical Societies
- **639** affinity groups; IEEE affinity groups are non-technical sub-units of one or more Sections or a Council. The affinity group parent entities are the IEEE-USA Consultants Network, Young Professionals (YP), Women in Engineering (WIE), and Life Members (LM)





OBJECTIVES

➤ Exposure

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

➤ Reduce Drop-outs

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

➤ Gender Equality

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

➤ Knowledge Sharing

Facilitate college students' interactions with urban and rural high schools to share knowledge about advanced technologies

➤ Inclusiveness

Promote educational inclusiveness and bridge urban-rural literacy gaps in high schools





EVALUATION CRITERIA

- Motivating capabilities
- Use of pedagogical tools
- Technical content delivery
- Utilization of IEEE educational resources
- Meeting overall IEEE EU-REKA objectives

ELIGIBILITY CRITERIA

- Students pursuing Bachelors Degree (S&T)
- Team size - 2 to 4 members
- One team member must be a girl student
- Team should comprise of atleast one IEEE Student member





GUIDELINES FOR INTERACTION OF TEAM WITH SCHOOLS

- Minimum with four schools, out of which two should be in rural area
- Select one of the given tracks for interaction
- All interactions must be in-person
- Mandatory to collect feedback from schools in the prescribed format





GUIDELINES FOR TEAM MENTORSHIP

The mentor need to be a domain expert of the track



Mentor is optional



Mentors can be a professional IEEE Member from Industry / Academia / Research Organisation

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





TECHNOLOGY TRACKS

- ◆ **Technologies for Agriculture & Food Processing**
- ◆ **Technologies for Environment, Climate Change, Sustainability & Natural Disasters**
- ◆ **Technologies for Virtual Education of Science, Engineering, Art and Technology**
- ◆ **Technologies for Rural & Urban Development**
- ◆ **Technologies for Health, Wellbeing & Sports**
- ◆ **Technologies for Woman Welfare**

Advancing technology for Humanity



PHASES

Phase 1

Formation of Team
as per the guidelines
Registration on IEEE
EU-REKA Portal

Phase 2

Interactions with schools
Collection of feedback
Upload to IEEE EU-REKA
portal

Phase 3

Online
presentation by
selected teams
Shortlisting of
top teams

Phase 4

In-person
presentation
by shortlisted
teams

Phase 5

Felicitations
of Achievers





MILESTONES



	2019	2020	2021	2022	2023
COLLEGE STUDENTS	450	458	529	399	681
SCHOOL CHILDREN	15,742	11,458	15,081	15413	15754
HIGH SCHOOLS	208	179	289	358	443



PARTNERS



Leap & Scale



IEEE Pune Section

IEEE Pune Section

IEEE TryEngineering



Society for Data Science

IEEE Education Society, Pune Chapter



JCAME IEEE AP-S, MITT-S, & EMC-S
JOINT CHAPTER, PUNE
ELECTROMAGNETICS FOR MANKIND EAM

IEEE Pune Section JCAME Chapter

IEEE India Council



IEEE Antennas and Propagation Society





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