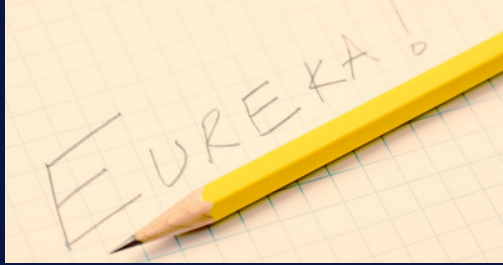# IEEE EⱯ-REKA

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

GUIDE

2025

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

ABOUT IEEE EU-REKA

IEEE EU-REKA: WHY AND WHAT?
India is all set to become the world's third-largest economy surpassing many other developed countries. IEEE believes that Science and Technology is the fuel, and education the driver for this economic growth. IEEE EU-REKA is the initiative taken up by IEEE Pune Section as part of the national exercise to meet this goal.

- **IEEE EU-REKA** proposes to achieve this goal through the joint involvement of many sections of our society -- student volunteers from colleges, expert mentors from Industry and academia, and children from rural and urban high schools.

- **IEEE EU-REKA** follows a framework enabling colleges, companies, and communities to infuse curiosity, creativity, and self confidence in school children – by exposing them to advanced state of the art technologies and mentoring them in making informed decisions about their future education path

- **IEEE EU-REKA** is in alignment with the Nation's Educational policy by following practices encompassing Diversity, Equity, and Inclusion (D, E &I) in the country --- breaking the gender barrier, and shrinking the rural/Urban division

- **IEEE EU-REKA** has won acclaims of people who matter -- Dr Kasturirangan, Chief Architect of National Education Policy, Dr Sahasrabudhe, Former Chairman, All India Council of Technical Education, Mr Deepak Mathur, Director, IEEE Asia Pacific Region, and many many more.

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 children to advanced state-of-the-art technologies

❯ Reduce Drop-outs

Encourage high school children 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

GUIDLINES 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

IEEE

IMP

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

Felicitation of Achievers

MILESTONES

	2019	2020	2021	2022	2023
COLLEGE STUDENTS	450	458	529	399	681
SCHOOL CHILDREN	15,742	11,458	15,081	15,413	15,754
HIGH SCHOOLS	208	179	289	358	443

PARTNERS

Leap & Scale

IEEE Pune Section

IEEE TryEngineering

Society for Data Science

IEEE Education Society, Pune Chapter

IEEE Pune Section JCAME Chapter

IEEE India Council

IEEE Antennas and Propagation Society

BRAIN (Bharat Research in AI NextGen)

CONNECT WITH US

📞 +91 89758 89334

✉️ info@eu-reka.org

🌐 www.eu-reka.org

in EU-REKA

📷 ieee.eureka