

# **UNESCO Engineering (UE) and World Federation of Engineering Organizations Young Engineers Future Leaders Committee - Engineering for Youth in Action (EYA) Initiative**

## **OVERVIEW**

- Development of an innovative interactive educational module that demonstrate quantitative change in youth awareness of engineering as a key driver for sustainable development.
- The team of young engineers with the most effective module will have the opportunity to work with engineering education experts from UNESCO network.

## **OBJECTIVES**

- Advocate the importance of engineering and more engineers for sustainable development.
- To develop hands-on educational activities that elevate the visibility of engineering as a career.
- Allows YE with ideas and projects related to sustainable development, to submit their projects. These should be projects related to sustainable development Goals (SDGs) and demonstrate ways in which those projects help the local communities improve.

## **ENGINEERING YOUTH IN ACTION INITIATIVE PROJECT PLAN**

- The Engineering Youth in Action initiative is an excellent platform for young engineers to connect with students and their communities and share their innovative educational ideas and their enthusiasm for engineering.
- The initial competition will focus on the 26 member countries of WFEO YEFL with a lead country in each UN region: Africa, the Arab States, Asia and the Pacific, Europe and North America, and Latin America and the Caribbean.
- Any young engineer between the ages of 18 and 30, who is studying or practicing an engineering discipline, may participate in this competition.
- The written report/models/projects should describe the educational activity/implementation strategy in communities and summarize the effect on the young engineers.
- These submissions will be reviewed by panel of experts, including UNESCO, WFEO and any other partners.
- The finalists will be invited to present their educational module for the panel. These presentations will likely include media showing a demonstration by young engineers.
- Selected finalists will have the opportunity to participate in engineering curriculum development projects with UNESCO, WFEO, and its partners.

## **TARGET COUNTRIES (Suggested)**

*(Led by: UNESCO and WFEO YEFL)*

<b>AFRICA</b>	Nigeria, South Africa and Kenya
<b>ARAB STATES</b>	Kuwait, Lebanon and Tunisia
<b>ASIA and PACIFIC</b>	Australia, Malaysia and China
<b>EUROPE and NORTH AMERICA</b>	Germany, USA and UK
<b>LATIN AMERICA and CARIBBEAN</b>	Brazil, Costa Rica and Argentina