

Professional and Education Subcommittee

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Goals

According to R8 Operations Manual (OpMan) the mission of the Professional and Education Subcommittee is to develop non-technical skills programs (such as “Leadership Skills Training” or “Project Management”) in order to provide additional value to members, in particular to young engineers and students. To coordinate educational activities programs in Region 8 including pre-university education, university-level education, post-university (continuing) education and the promotion of public awareness of engineering, technology and other topics within IEEE’s Field of Interest.

To recruit volunteers to implement professional and educational seminars and workshops in R8 and to train local Tutors (Trainers) for these activities.

The first goal was to create a new committee. The following are the members and their roles:



The table below is a summary of 11 objectives established. 5 are new proposals and 3 others are being improved or redone. The team is focused on three categories, pre university, university activities, continuing education. We have reached out to different OU including YP, WIE and SAC student branches to better improve the presence of PEASC. We are working with different regions particularly region 9 and 10 to address diversity and promote the use of different languages. We are also discussing with EAB to offer different ways of how these programs can be accessible to members in our region. We have updated the website but plan to restructure it and change the text to reflect better the way programs are designed. The speaker program invitation to nominate new speakers is launched. We are inviting distinguished speakers to nominate themselves focusing on non technical subjects. Check our website for more information.

As a committee all members are involved in various programs. Meetings are organised every two weeks and members also meet the chair of the committee to manage different goals related to their responsibilities. We already organised 5 meetings this year and 7 specific tasks meetings. Most members are new to the committee and we are proposing new programs that reflect the needs of the region. We also meet various members from

other committees and OU to participate and collaborate with us. So far we have a number of meetings and promote our goals such as the **language program** and **IEEE Robot Wars Championship**.

We are proposing the first Region 8 Education flagship event that can introduce a more practical aspect of IEEE PEASC in the region. This championship is named as the **IEEE Robot Wars Championship**. We have already achieved support from IEEE Malta Section, Cassar Marine Shipyard, Region 8, WIE and YP from the entrepreneurship team. A number of student branches have already shown an interest in participating and attending the event. We are part of the Entrepreneurship initiative contributing to the **International Evaluation Committee to select the best 3 startups based on their 3-min pitching videos**. We are organising events as part of the R8 meeting which cover 5 topics of interest about our activities.

The following are the main goals established.

1. Try engineering Month Region 8 - STEM portal Events Sections
2. New Program **IEEE Robot Wars Championship**
3. New programs proposed by committee
4. Language Program
5. Africa NIC Pilot Project
6. Promotion of PEASC
7. Increase PEA Speakers program's activity and integrity.
8. Collaboration with other OUs
9. Have a better and more clear communication with committee members
10. Increase programs' quality and participation
11. Give the IEEE members a clear recurring theme about what PEA will do for them in their life, starting at school, ending at retirement by updating the website and improving the way the programs are presented.

objectives	Goals	Target Objective	KPI 2021
Objective 1 NEW	Try engineering Month Region 8 - STEM portal Events Sections	Train the trainer to reach out to Educators	Target 8 Sections.
		Recruit Try engineering ambassadors -	
		Motivate OU to organise various Educational events.	
		Create an Online Version	
Objective 2 NEW	New Program Robot Wars	Get Funding	Cover the costs to construct arena
		Construct Arena	Collaborate with local company to setup arena and setup arena starting March 2021
		Reach out to Sections and Student branch	At least 8 Sections or Student Branches
		Organise Webinars	3 Webinars
Objective 3 NEW	New programs proposed by committee	Pilot new initiatives through different sections	At least one this year
Objective 4 NEW	Language Program	pilot Program and identify language and material	At least 4 webinars one language
		Collaborate with other regions to share content of languages that can be used in our Regio	4 webinars
		Attend meetings with other Regions 9 and 10	Approx once a month
Objective 5 NEW	Africa NIC Pilot Project	Create Awareness of resources available for this project with IEEE members	Organise Webinar and share information through email and social media
		Attend Meeting with NIC Committee	At least 4
Objective 6 UPDATED	Promotion of PEASC	Utilize Instagram	Check the effectiveness of instagram. 100 followers
		Better use of facebook	Increase fb page likes by 200

		Create and use promotional material	Revisit what is an effective means for markets like 30Sec Clips on social Media. Maintain Engagement rate to 5%
		Participate in events	Check which events are happening and reach out to them.
Objective 7 UPDATED	Increase PEA Speakers program's activity and integrity.	Increase number of available speakers	Have at least 4 Speakers
		Increase diversity	Have at least 2 Speakers that can deliver talks in different languages other than English
		Increase reach	Reach out to Chapters/Societies program and influence how to manage it.
		Increase impact	Increase 5 Youtube videos
Objective 8 UPDATED	Collaboration with other OUs	Get in touch with other committees for creating common programs or increasing quality of current programs	Reachout with SAC, WIE, Different Sections/Student branches, Region 9 and 10 Education Boards and YP on various projects. Reach out to Chapters/Societies to reinvent the speaker program.
Objective 9 UPDATED	Have a better and more clear communication with committee members	Arrange monthly PEASC meetings	Organise a meeting every 2 weeks with committee and meeting with specific team members on specific projects.
		Have the minutes of the meetings approved	Organise a meeting every 2 weeks except in august and christmas and easter
Objective 10	Increase programs' quality and participation	Acceleration Contest	Organise the event.
			Release Call end of May
			Receive 10 proposals

		Alpha Contest	Improve by update the manual and the way the call is presented
			Have at least 9 sections participating
		Entrepreneurship Week	Organize pitching contest in Regional SYP in collaboration with YP
			Identify at least 10 events related to our committee
Objective 11	Give the IEEE members a clear recurring theme about what PEA will do for them in their life, starting at school, ending at retirement	Review and change the texts in website	Rethink the idea and create an effective way to achieve it. Organise 1 workshop to propose new ideas KPI will be established later
		Promote PEASC's professional development efforts to members	Rethink the idea and create an effective way to achieve it. Organise 1 workshop to propose new ideas KPI will be established later
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		Communicate with Sectional Educational and Professional Activities Officers from different sections to understand their views/ideas on Educational activities and Professional Activities that interests their sectional members	Schedule two meetings a year

As the chair of the committee we had 4 EAB committee meetings representing Region 8. I am involved in Working group 1 Digital Presence and Communications of EAB. We promote several programs from EAB. These new courses are related to Continuing professional education. The New course Program include:

- [IEEE English for Technical Professionals](#)
- [Automotive Cyber Security: Protecting the Vehicular Network](#)
- [Enterprise Blockchain for Healthcare, IoT, Energy and Supply Chain](#)
- [5G Networks](#)

Some of the activities held online

“Educational Activities - Programs and Opportunities' session was delivered by Sohaib to the IEEE Turkey Section volunteers. Participate in R8 meeting on the 19th March to know more about our programs on IEEE R8 education and professional activities

We announce the ambassadors of the best IEEE Region 8 Entrepreneurship Initiative events in 2020

IEEE #TryEngineering on 27 January at 12pm ET where volunteers shared their experiences with STEM education, new resources like the upcoming STEM portal, and more. Hosted by IEEE President Kathy Land.

An online presentation was organised with the title “New ways to improve our impact in Pre-University STEM Outreach” held on the 20th February by the technical activities board

Launch of the new STEM portal.



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