ROBOGRIA – (*A Novel Initiative by MES*)

"No stone left unturned. No child left untaught." – Edu Nation
Dr. K. M. Vasudevan Pillai

The Founder and Chairman of Mahatma Education Society Dr. K.M Vasudevan Pillai Book EduNation quote "I want to see all the children of India educated and not only educated in the literate sense, but also possessing the skills that will later help them gain fruitful employment that will not only change their economic condition but will in a true sense help eradicate the problem of poverty, unemployment and further will contribute to our Nations growth".

To fulfill the wonderful thought provoking above said quote , With our Honorable Chairman continuous leadership, support, monitoring, and able guidance Pillai HOC College of Engineering and Technology and Pillai HOC Polytechnic are committed to give a great opportunity to the school students by providing free Robotics Workshop named "ROBOGRIA" to fulfill the above said quote. This novel initiative targeting maximum benefits to the enthusiasts attending the workshop. The workshop is designed to help students develop their knowledge & skills, and provide real time industry exposure dedicatedly delivered by experienced teachers and talented students of our Institution. Workshops have a fixed duration and study structure which is efficiently delivered to the attendants. This workshop to empower students with real innovation, thereby enabling the creation of a knowledge society which in turn shall propel the economy through knowledge based interlinked eco system. Also we provide the opportunity to work the school students in our Research lab under the valuable guidance of Ms. Munawira Kotyad Pillai to motivate them to start their research carriers in robotics.

Key Benefits

- Hands-on training on specific core areas of the robotics.
- Real-time implementations through practical sessions.

- Multipurpose project based trainer kits.
- Well versed materials like Installation guides, Circuit Diagrams, Study Material and PPT's.
- Experienced & dedicated teachers professionals.
- Certificate for the Participants and Winners

We have conducted robotics workshop for more than 800 students from various schools. Many Schools have already participated and still more schools are willing to participate. As soon as the school arrives the students are given introduction about the developing world of robotics. They are given presentation on robotics. The presentation include Videos on TOP 10 Advanced Robot in the world like the fastest running animal Cheetah, Butterfly, dragonfly, kangaroo and the best Humanoid Robots which have been designed using artificial intelligence and latest technologies say Example :Humanoid robot Sophia has been made a citizen of Saudi Arabia ,Asimo by Honda.

The students find it interesting and are amazed about the new world of Robots. The first half of the workshop contains seminar on Robotics after which students are taught how to assemble the Robot. They are given the detailed explanation of components to be used for preparing Robots. The components like DC Motor, DPDT Switch and Mechanical chassis are taught thoroughly. Then students are divided in group of five. The group of 5 students works together in the assembling of the Robot. A group of trained Faculty and students of our institution are there to assist and guide the students. Some students are really quick to grab the technique and prepare the robot. This builds curiosity in the other student to build better Robots.

The second half of the session lunch is provided by our institution for the school students. The second half includes fun games, games like Robo-Soccer, Robo War. In Robo-Soccer, like normal soccer a ball is provided and they need to goal. Two teams face each other and try to goal as many goals as possible using their own build Robots. If both the teams are unable to goal or if the number of goals is same they are given 3 minutes time each for penalty shootout. School students enjoy this interesting event.

After the conclusion of the tough match, the event is preceded by award ceremony. They are awarded by certificates for their participation and for winning the competition. The certificates are distributed in the presence of Head of Departments of our Institution. The faculty and students of the respective school shows their gratitude for the event ROBOGRIA.

Our Institution is now arranging a Mega Event named "ROBOGRIA CHAMPIONSHIP" for the winner of all the schools. The Robo-Soccer game will be played on School level and Champion will be awarded. It hopes for a great success.

We have already trained hundreds of students. Till date 10 schools have participated and many more are still participating. It is widening the minds of the school students towards Engineering. The workshop "ROBOGRIA" has been a great success. We hope we will provide and create various such opportunities in the future for the bright future of our country

We are committed to create robotics engineers who can design and develop "*The* world's *most advanced* humanoid robots" with flexibility with being capable of performing a variety of tasks and applications for the betterment of Mankind.

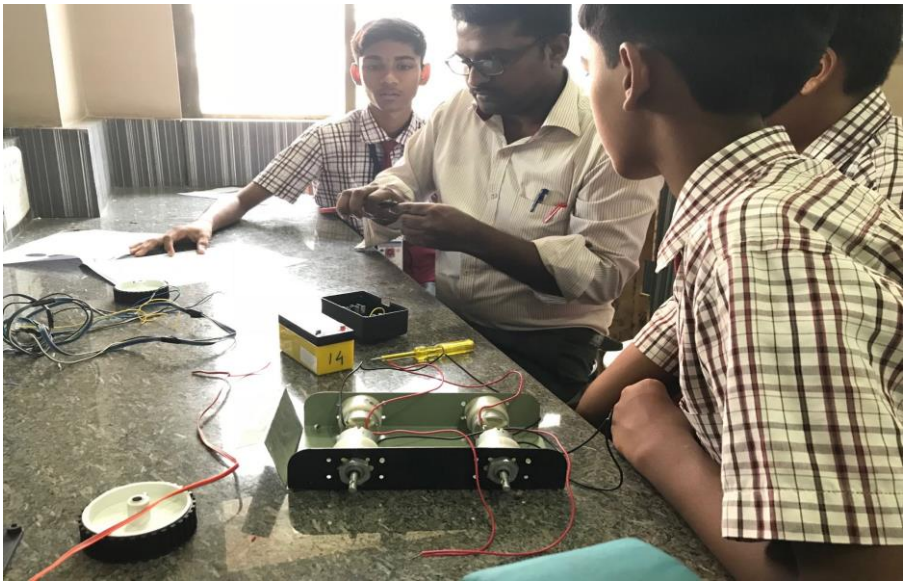
Details of Participated Schools

Sr.No	Name of School	Region	Date of Visit	No. of Participants
1	Sarvajanik Vidya Mandir	Pen	March 21, 2017	64
2	Anand Shala Marathi Medium	Khopoli	March 25, 2017	97
3	Dronagiri English Medium	Uran	June 03, 2017	80
4	LAES English Medium	Neral	July 03, 2017	66
5	RSS Karanja	Uran	November 02, 2017	80
6	Dronagiri English Medium	Uran	November 03, 2017	90
7	JSM Junior college	Alibag	November 06, 2017	90
8	LEAS English Medium	Khopoli	November 10, 2017	100
9	RSS New English	kamothe	November 14, 2017	60
10	KES English Medium Secondary school	Pen	November 23, 2017	70
11	Sarvajanil Vidya mandir	Pen	November 24, 2017	120

Total : 917

Dr. Chelpa Lingam, Principal, PHCET addressing the Participations of Robogria.

Robogria Training session



Robogria Competition

Certificate Distribution:

ROBOGRIA
2017

MAHATMA EDUCATION SOCIETYS
PILLAI HOC COLLEGE OF ENGINEERING & TECHNOLOGY
ROBOGRIA
2017
ROBOGRIA

ROBOGRIA
ROBOGRIA

ROBOGRIA
2017

ROBOGRIA
2017
ROBOGRIA

ROBOGRIA
2017

Robogria Championship Final Competitions

MAHATMA EDUCATION SOCIETY'S
PILLAI HOC COLLEGE OF ENGINEERING & TECHN
AND
PILLAI HOC POLYTECHNIC
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AND
PILLAI HOC POLYTECHNIC
ORGANIZE

Robogria Faculty Team:

Robogria Entire team with Participations:

Robogria Winner: Dronagiri English Medium High School, Uran.

Robogria Runner-up: JSM Junior College Alibag:

Feedback on Robogria from Participations

Name of the Student: Vishal Sharma

Feedback:I liked it very much. Its our pleasure to present on this occasion.

Name of the Student: Rahul B Nayi

Feedback: It was one of the biggest memorable day of my life with game, knowledge, and enjoyment.

Name of the Student: Bedekar Zubiya Rafiq

Feedback: The programme was organized very nicely. We all love it. Thank You.

Name of the Student: Devendra T Singh Chouhan

Feedback: It was best place, time and management. All the facilities are good. Best teachers are these because we met with some teacher of your college. They gave us a lot of knowledge. Thank you.

Name of the Student: Jha Shivam

Feedback:It was great experience, all the sir were good, they taught us and helped and most important Lunch was very best.

Name of the Student: Murariji Omprakash Dubey

Feedback: The whole presentation was very good and I want to come to this college for robotics.

Name of the Student: Vrushab Lanjekar

Feedback: I would like to come in the Pillai College again.

Name of the Student: Deepak Dewasi

Feedback: My knowledge about Robotics was increased and it will help me in future. And the lunch was superb.

Name of the Student: Baig Taslim Rahim

Feedback: This programme was held very nicely. The facility was very proper. Thank you.

Name of the Student: Seem Chouhan

Feedback: The session was very nice. We all enjoy it. Thank You to invite us.

Name of the Student: Abhijeet Choudhary

Feedback: It was beneficial to us

Name of the Student: Maya Vishwakarma

Feedback: The program was really so nice, we enjoy it.

Name of the Student: Hemant Jha

Feedback: I request to Robogria this program is so good and we get many information on that.

Name of the Student: Neekesh Joshi

Feedback: It was very nice and very very good

Name of the Student: Nikhail Rawal

Feedback: It was held very greatly and we would like to come next time also.

Name of the Student: Isha Jadhav

Feedback: It is very nice place and I like this evaluation very much. Thanks for providing all this things.

Name of the Student: Srushti Choudhari

Feedback: Very nice teaching about robotics & handouts were valuable.

Name of the Student: Priyanka Sah

Feedback: I request to organize this programme again that we can learn much more.

Name of the Student: Sarvesh Patil

Feedback: Please repeat ROBOGRIA show.

Name of the Student: Harshada Patil

Feedback: It was very enjoyable visit to this college. We enjoy the games we played with our team which was made by us.

Name of the Student: Dhanashree Bhingari

Feedback: Workshop was really valuable for me. I understand that engineering is best career.

Name of the Student: Sahil Sufar

Feedback: We enjoy everywhere. Session was very good. I get the General Knowledge of Robotics