

Easwari Engineering College (Autonomous)

Best Practices

- **P.R.I.D.E** (Project Research Innovation Design Entrepreneurship) Activities : A group formed to exchange ideas on concepts to encourage students to participate in national level technical competitions, do innovative design projects and to promote entrepreneurship, thereby improving the overall caliber of students.

- **R.I.S.E** (Research in School Education) : A group formed to do various activities related to projects and research for the school students.

- **G.R.O.W. UP** (Graduate Reach Outstanding World class Position by Up-Skilling) to provide skill development to the arrear students of all branches of Engineering Stream

- **i-F.I.R.E.** (Faculty in Research and Engineering) : A group formed for promoting research, exchanging ideas and taking up inter-disciplinary projects among the faculty members.

- **W.I.S.E 4.0** (Weekly Industry Specific Expert talk) : A group formed for Students, Faculty and Participants able to get to interact with Industry Expert.

P.R.I.D.E. - Project-Research-Internship-Design-Entrepreneur

To facilitate active learning environment to students through participative learning, experiential learning and collaborative learning, P.R.I.D.E. group has been formed

- To apply the engineering concepts to carryout research projects.
- To motivate the students to provide solutions for industrial and societal problems.
- To encourage the students to participate in Industrial Design Competitions.
- To persuade the students to apply for research funding from sponsoring agencies.
- To equip the students to commercialize their research outcomes as startup /product.

P.R.I.D.E EVENT CHART

S.No	Event Name / Description	No of Students Participated	No of Prizes Won / Round Clearance
Academic Year 2019-20			
1.	Mitsubishi Electric Cup 2020	5 Batches, 20 Students	
2.	ZOHO Contest	23 Batches, 46 Students	
3.	National Bio Entrepreneurship Competition 2019	1 Batches, 6 Students	
4.	AICTE Chhatra Vishwakarma Award 2019	5 Batches, 20 students	4 Batches, 16 Students
5.	TAMILNADU POLICE Hackathon with IIT Madras	4 Batches, 8 Students	4 Batches, 8 Students
6.	Tractor Design Competition organised by Society of Automotive Engineers at SRM, Kattankulathur	1 Batches, 25 Students	1 Batches 25 Students
7.	TNSCST Project Proposal	120 Batches, 480 Students	6 Projects, 24 Students
8.	E – Yantra Robotics Competition	66 Batches, 264 Students	5 Batches, 20 Students
9.	ISIE INDIAN KARTING RACE	2 Batches, 50 Students	NATIONAL LEVEL E-KART 1.Runner up 2.First in Best Accelerator 3. First in Best Endurance 4. Second in Cross Pad 5.Future Team Award

S.No	Event Name / Description	No of Students Participated	No of Prizes Won / Round Clearance
			GO –KART 1.Second in INNOVATION 2.Third in Design 3. Third in Cross Pad 4. Sixth in Overall
10.	INSDAG (Civil Dept)	3 Batches, 12 Students	3 Batches, 12 Students
11.	Sony Ericsson	32 Batches, 106 Students	18 Projects, 72 Students
12.	SSN Hackathon	2 Batches, 8 Students	1 Batch, 4 Students
13.	Smart INDIA Hackathon	32 Batches, 192 Students	11 Batches, 66 Students
14.		7 Batches, 42 Students	Final 1 Batch 6 Students
15.	COVID 19 Hackathon by AICTE	6 Batches, 12 Students	1 Batch, 6 Students
16.	TEXAS Instruments	263 Batches, 1516 Students	10 Batches, 56 Students
Academic Year 2020-21			
1.	MHRD IIC Contest	10 Batches, 40 Students	5 Batches, 20 Students
2.	Sikkim Manipal Institute of Technology (SMIT) Prototype Challenge	17 Batches, 68 Students	3 Batches, 12 Students
3.	Eyantra Innovation and Robotic Completion Organized by IIT Bombay	4 Batches, 16 Students	
4.	Indeed Coding Competition	6 Students	
5.	National Bio Entrepreneurship by Biotechnology Industrial Research Assistance Council (BIRAC) & Centre for Cellular and Molecular Platforms (C-CAMP)	4 Batches, 24 Students	
6.	Aatmanirbhar Bharat organized by VIBHA (Vijnana Bharati) and Unnat Bharat Abhiyan	13 Batches, 39 Students	
7.	Gov Tech Thon Organized by Oracle, NIC and IEEE Society	6 Batches, 30 Students	
8.	HERO CAMPUS Challenge Organized by Hero MotoCorp Limited	14 Batches, 42 Students	
9.	AICTE Chhatra Vishwakarma Awards 2020	5 Batches, 20 students	



P.R.I.D.E. - Group Activities- Borewell Rescue Project Meeting - The chief guests were Mr. THENNARASU and Ms. AARIFFA, rescue officers from Fire Service Department. It was presided over by The Chairman. Students explained about their project ideas.

Chairman Message: “Prevention is the best solution” for all types of disasters which are happening. He encouraged the students especially from second years to come up with lot of ideas for rescuing projects and he also mentioned that **the management is ready to give hundred percent fund to implement their project ideas**, to motivate students to find solutions for the problems in day to day life which the society needs.



Tamil Nadu Police Hackathon with IIT Madras – 2 teams (10th & 25th Rank) – 23.11.2019

EASWARI ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

PRIDE GROUP, DEPARTMENT OF IT&CSE IN ASSOCIATION WITH SRM AXIS INTELLECTS AND WISEN IT SOLUTIONS AS INDUSTRIAL PARTNERS ARE PROUD TO HOST **FIND A BUG, WIN A PRIZE CONTEST**

DATE: 14-09-2019
OVER 460 STUDENTS HAVE PARTICIPATED

PRIZES OF WORTH RS- 30000/-

1st PRIZE - RS 1000/- FOR 10 MEMBERS
2nd PRIZE - RS 500/- FOR 20 MEMBERS
3rd PRIZE - RS 300/- FOR 30 MEMBERS

FIND A BUG Coding Context - organized by IT dept- 30 prizes – 14.09.2019

EASWARI ENGINEERING COLLEGE

(AUTONOMOUS)
PRIDE ACTIVITY 2019-2020
5TH ISIE INDIAN KARTING RACE
ALL INDIA LEVEL RUNNER UP IN E-KART COMPETITION

- PRIZES WON:**
GO KART (TEAM R.I.O.T)
- 1) 6TH OVER ALL
 - 2) 3RD IN DESIGN
 - 3) 2ND IN INNOVATION
 - 4) 3RD IN CROSS PAD
- E-KART**
- 1) 2ND OVER ALL
 - 2) 1ST BEST ACCELERATION
 - 3) 1ST BEST ENDURANCE
 - 4) 2ND CROSS PAD
 - 5) FUTURE TEAM AWARD



R.I.S.E (Research in School Education)

The Chemistry department of Easwari Engineering College is conducting science exhibition programme under **R.I.S.E.** every year to promote and encourage school students in exploring their research activities. It develops their skill in preparing self-designed models with innovative scientific ideas. Students will acquire wide knowledge in various scientific fields.

In the academic year 2019 – 20 pamphlets have been distributed for **310 schools** in and around Chennai. The programme was conducted on 05th November 2019, in which **121 teams from 96 different schools** have been participated in the Science Exhibition. Dr. S. Christopher, Former Secretary, Department of Defense R & D and Chairman DRDO, Professor, Department of Electrical Engineering, IIT Madras, were the chief guest. Students from various Schools displayed their projects for competition and Judges from other University and colleges evaluated the projects displayed by school students. Around 1467 students from 17 schools have visited the project display very enthusiastically. **Around 174 School teacher coordinators accompanied with the students.**

Chief Guest **Mrs. Maya, Principal, Sri Chaitanya Techno School, Chennai & Mrs. Deepa Sriram, Principal, PonVidhyashram School, Chennai**, distributed the prizes to winners. In Batch I level (IX & X Std) best projects were selected and felicitated with 1st Prize – Rs. 5000/- cash award, shield and certificate to Kola Perumal ChettyVaishnav Senior Secondary School, Arumbakkam, 2nd Prize – Rs. 3000/- cash award, shield and certificate to G.K.Shetty Hindu Vidyalaya Mat. Hr. Sec. School, Adambakkam and 3rd Prize - Rs. 2000/- cash award, shield and certificate to EverwinVidhyashram, Kolathur. In Batch II level (XI & XII Std) best projects were selected and felicitated with 1st Prize – Rs. 5000/- cash award, shield and certificate to Swamy's Mat. Hr. Sec. School, 2nd Prize – Rs. 3000/- cash award, shield and certificate to G.K. Shetty Vivekananda Vidhyalaya Senior Secondary School, Ambattur and 3rd Prize - Rs. 2000/- cash award, shield and certificate to St. Mary's Mat. School and participation certificate was given to other participants.



R.I.S.E. - Project Expo - Open House 2020 on 09.01.2020 & 10.01.2020 - Dr. Mysamy Annadurai, Former Director (ISRO), Vice President, Tamil Nadu State Council for Science & Technology, was the Chief Guest for the Inaugural function

R.I.S.E. - Project Expo - Open House 2020 was conducted on 09.01.2020 & 10.01.2020 - Dr.Mylsamy Annadurai, Former Director (ISRO), Vice President, Tamil Nadu State Council for Science & Technology, was the Chief Guest for the Inaugural function. School students from all over Chennai visited the Project day 2020 and enjoyed learning about the projects exhibited. 1846 students from various schools visited the projects displayed

S.No	Name of the School	No. of Students
1	St.Johns Mat. Hr. Sec. School, Alwarthirunagar	317
2	St.Pauls Hr. Sec. School, Valsaravakkam -	60
3	Kavery High School, Saligramam -	65
4	Avichi Hr.Sec School, Virugambakkam	60
5	Vanavani Matriculation Higher secondary school IITM -	120
6	General Carriappa Higher Secondary School, Virugambakkam	60
7	GK Shetty Vivekananda Vidhyalaya Jr. College, Ambathur	30
8	Springfields Mat. Hr. Sec. School, K.K.Nagar	75
9	Little Oxford Mat. Hr. Sec. Schoolm T.Nagar	82
10	DS Selvam Mat. School, AVADI	68
11	Govt Hr Sec School, Ramapuram	64
12	Omega International School, Porur	300
13	Elite Matriculation Higher Scondary school, RedHills -	200
14	Koilpillai Memorial Matriculation Higher Secondary School	65
15	Devi Academy Senior Secondary School , Valasaravakkam	50
16	Maharishi Vidya Mandir , Policherry, OMR	150
17	Mathoma Mat. Hr. Sec. School, Chinmaya Nagar	55
18	Jawahar Hr. Sec. School, Ashok Nagar	25



317 Students from St Johns MHSS, Porur visited the Project Day 2020 on 09-01-2020.



82 Students from Little Oxford Mat. Hr. Sec. Schoolm T.Nagar visited the Project Day 2020 on 09-01-2020



**65 Students from kaveri MHSS,
Saligramam have visited the Project Day
2020 on 09-01-2020**



**300 Students from Omega International
School, Porur visited the Project Day 2020
on 09-01-2020**



3 Streams were identified

- **Mechanical Stream**
- **EEE Stream**
- **CSE Stream**



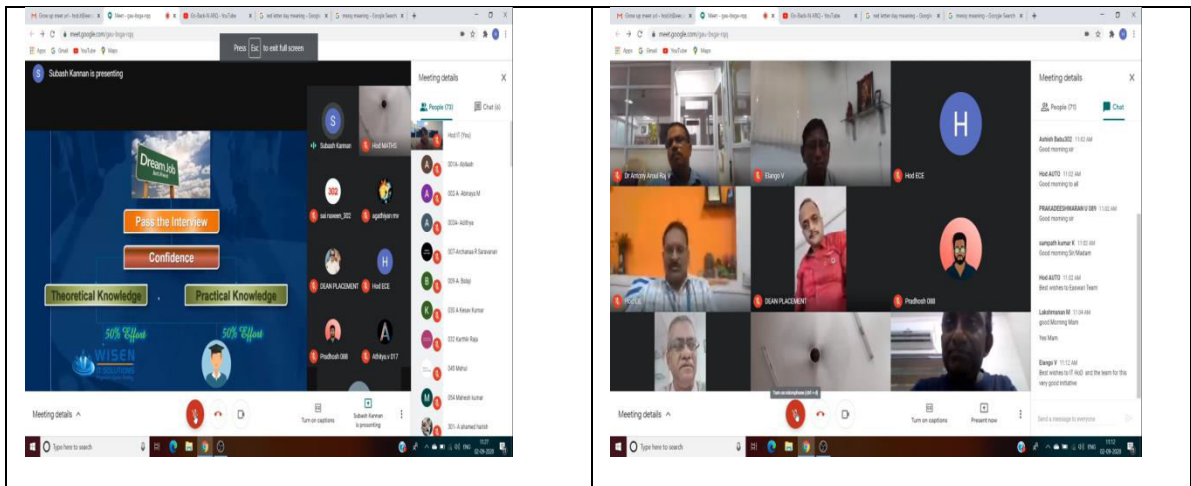
**5 Prizes have been awarded under each
stream**

- I Prize -50,000/-**
- II Prize -25,000/-**
- III ,IV,V Prize(each) -10,000/-**

Rs. 3.15 Lakhs Prize Money Distributed to Winners

G.R.O.W. UP **(Graduate Reach Outstanding World class Position by Up-Skilling)**

- To provide skill development to the arrear students of all branches of Engineering Stream
- Students having three and more arrears are identified and 74 students have joined in Phase I
- Niche technologies which is highly demanded by the companies will be provided in the training
- Identification of various companies which provide such skill based training
- Scheduling the batches and streamlining the skill development programme



i–F.I.R.E. (Faculty in Research and Engineering)

OBJECTIVE :

- Faculty research group created with the faculty members of various department to create interest, assist and collaborate in the interdepartmental research activities
- to help to create awareness in review, publications of quality research articles by and thereby improve citations

PROCESS:

- A group is formed with all the staff members for inter-departmental research.
- The research project done by various faculty members are discussed in the WHATTSUP group for collaboration outside the departments.
- Latest technologies and the faculty research specialization are posted in that group.
- Weekly Journal club information is posted in the I-Fire
- Research Metrics of the institution is disseminated to the staff members
- Information about Proposal call for by the Funding agencies is posted in the group

OUTCOME:

- More inter-departmental research projects and funded project proposals are prepared by the faculty members
- Improved knowledge in the Review , Publications and Citations

W.I.S.E 4.0 (Weekly Industry Specific Expert talk)

Resource Persons:

- Industry Expert
- Renowned Alumnus

Target Audience

- Students from automobile and other Interested Students
- Faculty from Inside and outside college

Expected Outcomes

- Students, Faculty and Participants are able to get to interact with Industry Expert.
- The learners are getting current Industry insights.
- Opens Opportunities for Collaborations and Internships.
- Students have gained experience of how the research activities are executed in Industry.
- Students have the opportunity to learn something new in Emerging area
- It helped in enhancing interpersonal, interdisciplinary skills and communication techniques.
- Getting to know insights about Electric Vehicle Technology and Hybrid Technology
- It breaks monotony and sparks interest in the subjects