

**THE INSTITUTION OF ELECTRONICS AND  
TELECOMMUNICATION ENGINEERS,**  
**GOA SUBCENTRE**



**ANNUAL REPORT**  
**(2019-20)**

## **ANNUAL REPORT 2019-20**

The sub-centre is very active during the report year and the sub-centre organized many programs this year with the active participation of its members and student members.

The Annual General Meeting (AGM) of IETE Goa Sub Centre was held at Goa College of Engineering, Farmagudi, Ponda at 1100 hrs on 05 July 2019.

The following members were present:-

1. Prof.Dr.Hassanali Virani ,Honorary Chairman
2. Mrs.Sonia Kuwelkar,Honorary Secretary
3. Mr.CP Harikumar ,Honorary Treasurer
4. Mrs.Chaitali Haldankar, Member
5. Mrs.Amita Dessai,Member
6. Mr.Devendra Gajanan Sutar,Member
7. Dr.Samarth B Borker,Member
8. Mrs.Nayana Shenvi,Member
9. Mr.Sangam Borkar,Member

2. The Chairman opened the Annual General Meeting by welcoming all the members.

### **Agenda Points:-**

3. Following Agenda points were discussed:-

#### **(a)Annual Report and Activities of the Sub Centre.**

The annual report and the activities of the centre were discussed by the AGM and it was emphasized that the coordination among the members is the need of the hour for the development of the Sub centre. The importance's of increasing the memberships from colleges were discussed in detail by the members.

The members stressed for further activation of the activities of the sub centre among the students.

#### **(b)Audited balance sheet of Year 2018-2019.**

The members present in the AGM adopted the Audited balance sheet presented by the Honorary Treasurer and passed the account for the year ended March 31, 2019.

#### **(c)Appointment of the Auditors for the next financial year 2019-2020**

The members present in the AGM endorsed the existing Auditor S.L.Singbal & Associates, Ponda for the Audit for the financial year 2019-2020.

#### **(d) ISF units at various Engineering Colleges of Goa.**

The activities of the student forum in the Goa College of Engineering and Agnel Institute of Technology and Design, Assagao, Goa. were satisfactory in the last year and stressed more students to be enrolled in this year at the earliest.

The AGM has discussed on non activities of other ISF PCCE and DBCE in the last year. AGM emphasized to involve more activities for the involvement of students in all ISF.

(g) **Technical Workshops/Seminar.**

The AGM planned to conduct at least one workshop in a year at various Engineering colleges of Goa. This will result in more student involvement in the activities of the Subcentre. The members expressed their support for the same.

(h) **Technical Library.**

The member (Mr.Devendra Sutar) attended asked for the purchase Technical Books for the use of members and be kept in GEC. It should be given to all the members and ISF units as and when available at the Subcentre. AGM decided to purchase books worth less than 10000/- from online sites with latest edition of the available books with prior approval.

(j) **Fixed Assets.**

The member (Mr.Devendra Sutar) attended asked for the purchase a Projector for conducting workshops for the use of ISF purpose and the use of subcentre functions. AGM decided to purchase a new Projector from the local market where service of the item is available.

The Chairman requested all members to attend the meetings regularly and to involve in all the IETE activities. He thanked all the members and ended the AGM at 1300hrs. After the AGM, refreshments were provided to all the members.



**AGM PHOTO-1**



**AGM PHOTO-2**



**AGM PHOTO-3**

### **Technical Activities**

IETE Goa Subcentre has been continuously engaged in providing an interactive platform for knowledge sharing among the Engineers, Academicians, Technologists, Students and other Professionals. This time also, the centre has made stringent efforts towards this aspect by organizing the following activities:

1. Three day workshop on “ Introduction to DBMS and MONGODB “ between 12<sup>th</sup> April to 14<sup>th</sup> April 2019 at Goa College of Engineering, Farmagudi, Ponda.
2. The Annual technical event of ETC dept “RESONANCE” between 12<sup>th</sup> April to 14<sup>th</sup> April 2019 at Goa College of Engineering, Farmagudi, Ponda in association with IETE Goa Subcentre.
3. The Annual General Meeting (AGM) of IETE Goa Sub Centre was held at Goa College of Engineering, Farmagudi, Ponda at 1100 am on 5<sup>th</sup> July 2019.
4. AGM elected new Executive Committee members unanimously for the term 2018-2020.
5. THINK 2019 was the very first one of a kind idea presentation competition held at ISF Agnel Institute of Technology and Design, Assagao on 30<sup>th</sup> August 2019 in association with IETE Goa Subcentre.
6. An Expert Talk on use of “Augmented Reality for Engineering Education” held on 16<sup>th</sup> October 2019 at ISF DBCE, Fatorda, Goa in association with IETE Goa Subcentre
7. One day workshop on “ PCB Design and Fabrication“ held on 17<sup>th</sup> October 2019 at ISF DBCE, Fatorda, Goa in association with IETE Goa Subcentre
8. Foundation Day held on 30<sup>th</sup> October 2019 at Goa College of Engineering, Farmagudi, Goa.

9. Two weeks Internship program “Core Java, Advanced Java & MySQL” held on 6<sup>th</sup> January to 20<sup>th</sup> January 2020 at Goa College of Engineering, Farmagudi,Goa in association with IETE Goa Subcentre .
10. Two day workshop on “Virtual implementation using LabVIEW” held on 30<sup>th</sup> & 31<sup>st</sup> January 2020 at ISF AITD, Assagao, Bardez, Goa in association with IETE Goa Subcentre

No infrastructure facilities are available at this centre. It is presently running from Dept. of Electronics & Telecommunication of Goa College of Engineering, Farmagudi, Ponda, Goa.

### **Report on MACHINE LEARNING AND DEEP LEARNING USING PYTHON at Padre Conceicao College of Engineering, Verna - Goa .**

Considering the massive interest and numerous applications in the domain of Artificial intelligence and Machine learning, the ISF (IETE Students Forum) of Department of Electronics and Telecommunication Engineering, Padre Conceicao College of Engineering, Verna Goa in collaboration with EduXLabs, presently associated with National Service Scheme (NSS) and National Social Summit of IIT Roorkee organized a one week ISTE STTP on "Machine learning and Deep learning using Python" from 1st to 5th July 2019.

This workshop was attended by 40 participants including faculty and students from various engineering colleges across Goa.

The workshop served a great platform for students and researchers to upgrade their knowledge in the area of Machine Learning, Computer Vision and its applications. Training on Machine Learning and Deep Learning techniques are concerned with Data analysis, design and development of methods for the classification or description of patterns, objects, signals and processes. The implementation of projects was done using Python as the programming platform.

The chief guest for the inaugural function was Ms. Lourdes Soares, ex-student of ETC Dept. of PCCE and founder of SabrCare, a company which offers help to cancer patients. Ms. Soares spoke about her experiences in the corporate sector.

The students and faculty were introduced to concepts of Python. It was followed by in depth introduction to Machine learning and Deep Learning. Mini projects were implemented in various domain to learn about application of Machine learning and Deep learning to domains like image processing, financial applications, wireless communication.

The trainer for the program was Mr. Deepak Kumar Mishra from EduXLabs. He is also a corporate trainer with extensive experience in the area of Artificial Intelligence and Machine Learning.

The faculty coordinators for the workshop were Ms. Avita Lotlikar, Assistant Professor & faculty coordinator ISF, ETC Dept. and Mr. Shailesh Khanolkar, Associate Professor, ETC Dept. PCCE.





Group Photo



Session conducted



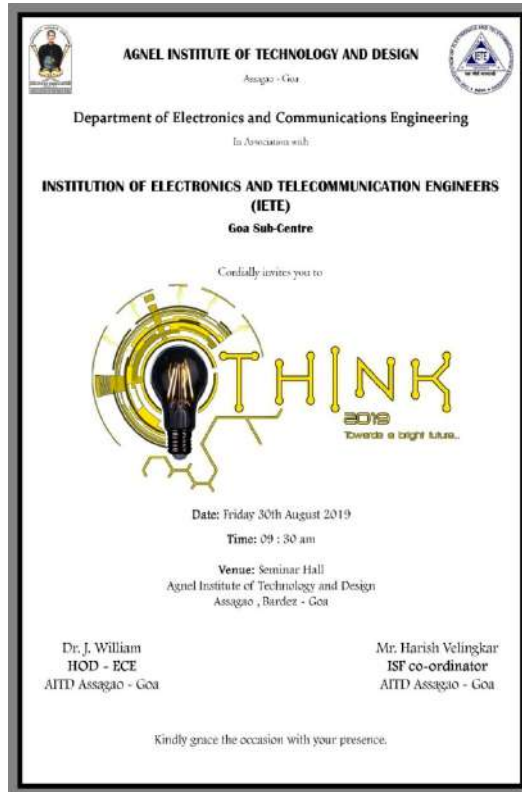
**Memento to Chief Guest Lourdes Soares**

**Report on THINK -2019 at Agnel Institute of Technology and Design, Assagao - Goa.**

THINK 2019 was the very first one of a kind idea presentation competition held at Agnel Institute of Technology and Design, Assagao on 30<sup>th</sup> August 2019 under the mentorship of ISF Co-ordinator Prof. Harish Velingkar and Prof Chaithali Karekar along with student IETE members & IETE Goa Subcentre with Centre for Incubation and Business Acceleration (CIBA), being the signature sponsor and SVASTEK the co-sponsor.

The winners at THINK 2019 were awarded a cash prize of Rs 10000 and the runners up with a cash prize of Rs 5000 with an attempt to motivate the teams to implement their ideas. The event received a positive feedback to conduct many more events like THINK in the future which would encourage young minds to bring forth their ideas to reality.





Invitation



THINK 2019 -POSTER

## **Report of IETE Internship program on “Core Java, Advanced Java & MySQL” organized at ETC Department, GEC, Farmagudi**

Electronics & Telecommunication Engineering Department of Goa College of Engineering, Farmagudi, Goa in association with The Institution of Electronics & Telecommunication Engineers(IETE),Goa Sub Center, organized a Two Weeks’ Internship Program on “Core Java, Advanced Java & MySQL” from 7<sup>th</sup> to 17<sup>th</sup> January 2020. The program was conducted in the S1-Classroom of Electronics & Telecommunication Engineering Department of Goa College of Engineering, Farmagudi, Goa.

Ms. Gauri Desai, CEO, ThoughtslateIT Services Pvt. Ltd., Ponda, Goa was the resource person for conducting the Internship program. Total of 20 students participated in the program.

Topics related to Core Java, Advanced Java and MySQL were covered in detail. The participants were given hands on experience and number of programs and examples were solved. The participants were made to answer on written test on the topics covered in the program. The participants found the Internship program very useful as it enhanced their software skills.

Dr. H. G. Virani, Professor and Head, ETC Department, GEC & Chairman, IETE, Goa Sub Center, Prof. SangamBorkar, Assistant Professor, ETC Department, GEC, Mr. MehaboobMujawar and Ms. ShruthiAdpaikar, Faculty, ETC Department, GEC organized and coordinated the workshop.



Photo 1: Dr. H. G. Virani (Center), Prof. ShruthiAdpaikar, Ms. Gauri Desai, Prof. SangamBorkar, Prof. MehaboobMujawar (L to R seating) along with Participants of Internship program (standing)



Photo 2: Resource Person Ms. Gauri Desai conducting workshop along with the participants



Photo 3: Participants of Internship program



Photo 4: Distribution of Certificates to the Participants of Internship program

## **REPORT OF IETE FOUNDATION DAY CELEBRATIONS AT GOA SUBCENTER 2019**

The IETE Foundation Day was celebrated at the Goa Subcenter on 30<sup>th</sup> Oct 2019. The Chief Guest and Speaker for the event was Dr. Rohan Mukherjee, PhD IIT Kharagpur. He is a faculty at the Goa Institute of Management in area of Big Data Analytics. The function started at 11:00 am. The guests were welcomed with flowers. The traditional Lamp was lighted to mark the start of function. The Presidents message was read by Ms. Sonia Kuwelkar, Hon. Secretary , IETE. The Chairman of IETE Dr. H G Virani spoke about the various technical activities of IETE. The IETE Students forum at GEC was reconstituted & inaugurated at the hands of the Chief Guest. The various posts are as follows:

1. Mr. Rohan Kumar: Chairman
2. Ms. Sahana Kulkarni: Hon. Secretary
3. Ms. Rajvi Lawande: Treasurer

Mr. Sumeet Lohar, Ms. Elaine Fernandes, Ms. Calida Mascarenhas, Ms. Crizel Fernandes are Executive Members.

The Principal of Goa College of Engineering spoke on the significance of Professional bodies in development of engineering students. The theme of the celebrations this year was “ Role of Artificial Intelligence and Machine Learning in Development of Society”. The Speaker Dr. Rohan Mukherjee gave an overview of various Applications of AI in Society. He explained The models of Machine learning.



He also explained the various steps in designing of Convolutionary Neural Networks. It was a very informative talk with an impressive video shown at the conclusion.

As token of appreciation, mementos were given to Chief Guest and Principal. The vote of thanks was given by Chairman of ISF, Master Rohan Kumar. Refreshments were served to students and Dignitaries.







### **ISF CHAPTER, GEC, FARMAGUDI, PONDA, GOA**

The ISF Chapter here was very much active this year and conducted workshops in association with Subcentre.

Three day workshop on “ Introduction to DBMS and MONGODB “ between 12<sup>th</sup> April to 14<sup>th</sup> April 2019 & The Annual technical event of ETC dept “RESONANCE” between 12<sup>th</sup> April to 14<sup>th</sup> April 2019 at Goa College of Engineering, Farmagudi, Ponda in association with IETE Goa Subcentre.

Two weeks Internship program “Core Java, Advanced Java & MySQL” held on 6<sup>th</sup> January to 20<sup>th</sup> January 2020 at Goa College of Engineering, Farmagudi, Goa in association with IETE Goa Subcentre .

### **ISF CHAPTER, AGNEL INSTITUTE OF TECHNOLOGY AND DESIGN, ASSAGAO, GOA**

The IETE Goa Subcentre inaugurated its IETE Student's Forum (ISF) at Agnel Institute of Technology and Design (AITD), Assagao, Bardez - Goa on 12th August 2016.

THINK 2019 was the very first one of a kind idea presentation competition held at Agnel Institute of Technology and Design, Assagao on 30<sup>th</sup> August 2019 under the mentorship of ISF Co-ordinator Prof. Harish Velingkar and Prof Chaithali Karekar along with student IETE members & IETE Goa Subcentre with Centre for Incubation and Business Acceleration (CIBA), being the signature sponsor and SVASTEK the co-sponsor.

Two days workshop “Virtual implementation using LabVIEW” conducted on 30<sup>th</sup> & 31<sup>st</sup> January 2020 at ISF AITD, Assagao, Bardez, Goa in association with IETE Goa Subcentre

## **ISF CHAPTER, PADRE CONCEICAO COLLEGE OF ENGINEERING, VERNA, GOA**

The IETE Goa Subcentre inaugurated its IETE Student's Forum (ISF) at Padre Conceicao College of Engineering (PCCE), Verna - Goa on 23<sup>rd</sup> March 2017.

The ISF (IETE Students Forum) of Department of Electronics and Telecommunication Engineering, Padre Conceicao College of Engineering, Verna Goa in collaboration with EduXLabs, presently associated with National Service Scheme (NSS) and National Social Summit of IIT Roorkee organized a one week ISTE STTP on "Machine learning and Deep learning using Python" from 1st to 5th July 2019 in association with IETE Goa sub centre.

## **ISF CHAPTER, DON BOSCO COLLEGE OF ENGINEERING, MARGAO, GOA**

The IETE Goa Subcentre inaugurated its IETE Student's Forum (ISF) at The Department of Electronics and Telecommunication of Don Bosco College of Engineering, Margao, Goa on Saturday, 29<sup>th</sup> April 2017.

An Expert Talk on use of "Augmented Reality for Engineering Education" by Dr. Johnathan Joshi held on 16<sup>th</sup> October 2019 & One day workshop on " PCB Design and Fabrication" held on 17<sup>th</sup> October 2019 at ISF DBCE, Fatorda, Goa in association with IETE Goa Subcentre.

## **BUILDING & INFRASTRUCTURE**

No infrastructure facilities are available at this centre. It is presently running from Dept. of Electronics & Telecommunication of Goa College of Engineering, Farmagudi, Ponda, Goa.

## **CONCLUSION**

In the end, it is concluded that along with significant progress made in the regular programmes of IETE. I am fully confident that with the goodwill, support and guidance from all of you, this centre would take great strides in future.

I am thankful to Mumbai centre and other senior members of this centre, who helped and advised us, from time to time, for smooth functioning of the subcentre.

The faculty and staff members Goa College of Engineering, Farmagudi, Ponda, Agnel Institute of Technology and Design, Assagao, Padre Conceicao College of Engineering (PCCE), Verna & Don Bosco College of Engineering, Margao in Goa and ISF Student members of these centres also deserve special appreciation for their dedication, sincerity and cooperation.

Hon. Treasurer  
(C P Harikumar)

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