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ELECTRONICS ENGINEERING E-NEWS LETTER

TECHNOGALAXY

Government Polytechnic, Ambad



“ He who can listen to the music in the midst of noise can achieve great things.”
- VIKRAM SARABHAI

**Remembering
Vikram Ambalal Sarabhai**

12 August 1919 - 30 December 1971



**Department of Electronics Engineering Salutes to
the Great Scientist and Father of Indian Space**

Program Late Vikram Sarabhai

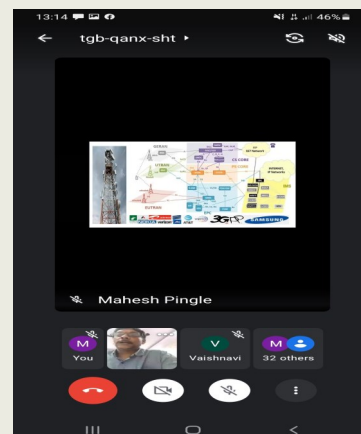
(This edition contains detail Biography of Late Vikram Sarabhai)

Opportunities waiting for you in Wireless Communication Sector : Mr. Venkatesh Bandewar, EGI Ericsson India Global Company Pvt. Ltd, Mumbai

“Now a days Wireless Communication sector has become the part and parcel of human life . This sector is most emerging and enhancing sector, so lots of job opportunities are available for the students to settle their career in this area” said Mr. Venkatesh Bandewar, Network Engineering Specialist, EGI Ericsson India Global Company Pvt. Limited, Mumbai.

As the part of curriculum and to get enhancement on rapidly changing technical environment department of Electronics Engineering has organized the expert lecture on “ Career opportunities in Mobile Communication Industries ”. For this event Mr. Venkatesh Bandewar, was the guest of honor and key speaker . This activity is conducted on 20/11/2021 through online mode. The students of second and third year Electronics

Engineering were present for this event. Mr. Bandewar introduced various recent wireless technologies that are used now a days in Mobile Industries. He also guided the student regarding how to prepare for getting placement in wireless communication industries. Mr. Bandewar elaborated the area of Satellite Communication, Wireless 4G,5G,6G development, ant and technologies used. On the behalf of Electronics Engineering department Mr. P. U. Awate, Head of Electronics Engineering welcomed Mr. Venkatesh Bandewar. Dr. A. M. Jinturkar Principal, Government Polytechnic, Ambad Congratulated department for this successful event. This event is coordinated by Mr. M. J. Pingle, Lecturer Dept. of Electronics Engineering.



Audience listening the expert talk of
Mr. Venkatesh Bandewar, Network Engineering Specialist, EGI Ericsson

Department Celebrated 75 Years of India's Independence by organizing different Events at Institute Level

75th Year of Independence Day of India or Azadi Ka Amrit Mahotsav is a pride moment for every Indian. So this occasion of completion of 75th Years of Independence of India is celebrated all over in India. For creating awareness among the students regarding this achievement Department of Electronics Engineering coordinated and organized different Institute level activities and competition. The details of the event are as mentioned below:

Date :12 March 2021, Friday

Name of Event: Essay Writing Competition

Topic: 75th Years of Independence of India

Total Number of Students Participated: 15

Name of Coordinator: M. J. Pingle, Lecturer EX

Name of Examiner: Mr. G. U. Jadhav, I/c Head, CO

Result: First Rank: Miss. Sarode Geeta Hanuman (II EX)

Second Rank: Miss. Vyas Sakshi Vijay (III CO)

Third Rank: Miss. Jadhav Pratiksha Rajendra (II IF)



Date :19 March 2021, Friday

Name of Event: One Day Workshop

Topic: “Technological Development in India after Independence and Future Scope”

Total Number of Students Participated: 46

Name of Coordinator: M. J. Pingle, Lecturer EX

Session-1

Name of Speaker: Mr. A. D. Kale, Lecturer,

Electronics Engineering

Topic: “Technological Development in India after Independence”

Session-2

Name of Speaker: Mr. L. K. Kothwar, Lecturer, Electronics Engineering

Topic: “Future Scope in Technological Development in India”

Date: 26 March 2022, Friday

Time : 11:00 am

Online Expert Talk on 75th Years of Independence of India

Name of Speaker: Prof. Dipak Rakhunde,

Department of Marathi,
Matsyodari Mahavidyalay, Ambad

Total Number of Participants: 53

Date: 28 March 2022, Sunday

Name of Event: Virtual Cyclothon

Total Number of Participants: 02

Formation of Student Association EESA

Student Association gives the platform to the students for different Co-curricular, Extra Curricular Activities, Social activities. So by keeping this in mind and giving exposure to student activities department of Electronics Engineering established student association with name Electronics Engineering Student's Association (EESA) for Academic Year 2021-22. All the toppers of first, second and third year Electronics Engineering are the member's of this Association.

Sr.No.	Name of the Student	Year	Shift	Designation in Association
01	Mr.Kharat Abhishek Sunil	Third Year	First Shift	President
02	Miss. Dangare Sushma Subhash	Third Year	First Shift	Vice-President
03	Mr. Ambekar Ritesh Premraj	Third Year	Second Shift	Member
04	Mr. Gangwal Kartik Prakashchand	Third Year	Second Shift	Member
05	Mr. Narwade Rohit Sarangdhar	Second Year	NA	Member
06	Miss.Ganjapure Aditi Haribhau	Second Year	NA	Ladies Representative
07	Mr.Shelar Aniket Santosh	First Year	NA	Member
08	Mr. Mogare Avinash Kaduji	First Year	NA	Member

Internal Institute Monitoring Committee Visited Department

Monitoring of Academics as well as infrastructure and facility provided is an essential part for quality improvement at department as well as institute level. For every semester institute coordinate Internal Institute monitoring activity so that the scopes and areas for improvement gets identifies and standard policy making should be done so as overcome the lagging parameter and action plan will be implemented for improvement purpose.

For the odd semester academic year 2021-22 Internal Institute Monitoring committee visited department of Electronics Engineering. Mr. M.S. Bankar, I/c Head Department of Computer Engineering was the chairman for the committee, Mr. P.T. Zunjare, Lecturer, Department of Computer Engineering was the member in committee.

Committee members visited our department on 30/11/2021. Committee members guided the departmental staff and suggested im-

provement strategies. Internal Institute Monitoring committee given very good remark for the academics performance of Electronics Department. All faculty member were present during the visit of committee. On the behalf of department of Electronics Engineering Senior Faculty member Mr. R A Burkul and Head of Department welcomed the committee member. Mr. M. J. Pingle delivered presentation about Departmental Information.

Department Conducted First Year Electronics Engineering Student's Parent Meet

Department of Electronics Engineering arranged and conducted parents meet for first year students for Academic Year 2021-22. This meeting was conducted on 24 December 2022 through online mode. In this parent meet Mr. M. J. Pingle, Lecturer Electronics Engineering and Smt. A B. Bahir, Lecturer in English has given information about Academic Performance

of the student, Attendance of the student, scholarship form, MSBTE online examination to the parents. Majority of the parents expressed their views regarding online education. Faculty members of the department also expressed their views regarding improvement in the academic performance of the students. Mr. P.U. Awate, Head Department of Electronics Engineering

has given information about Department. Mr. M. J. Pingle has given presentation about institute information. Around more than 25 parents were present for this online session of parents meet. Dr. A. M. Jinturkar, Principal, Government Polytechnic, Ambad guided the parents on this occasion.

Vikram Sarabhai : Father of the Indian Space Program



Vikram Ambalal Sarabhai (12 August 1919 – 30 December 1971) was an Indian physicist and astronomer who initiated space research and helped develop nuclear power in India. He was honoured with Padma Bhushan in 1966 and the Padma Vibhushan (posthumously) in 1972. He is internationally regarded as the Father of the Indian Space Program.

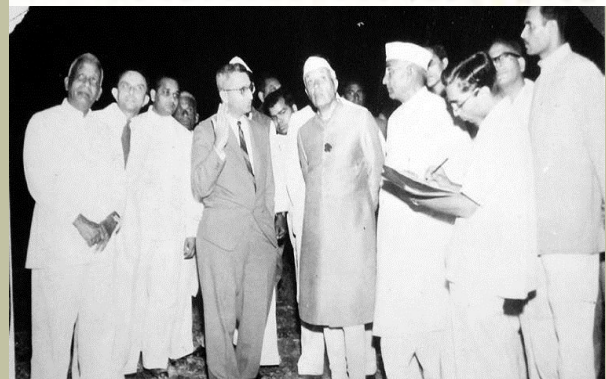
Son of Ambalal Sarabhai, he came from the famous Sarabhai family from India who were major industrialists committed to the Indian independence movement. Vikram Sarabhai married the classical dancer Mrinalini in 1942. The couple had two children. His daughter Mallika gained prominence as an actress and activist, and his son Kartikeya too became an active person in science. During his lifetime, he practiced Jainism. He attended Gujarat College, Ahmedabad, but later moved to the University of Cambridge, England, where he took his tripos in natural sciences in 1940. In 1945 he returned to Cambridge to pursue PhD and wrote a thesis, "Cosmic Ray Investigations in Tropical Latitudes," in 1947.

Known as the cradle of space sciences in India, the Physical Research Laboratory (PRL) was founded in 1947 by Vikram Sarabhai. PRL had a modest beginning at his residence, the "RETREAT", with research on cosmic rays. The institute was formally established at the M.G. Science Institute, Ahmedabad, on 11 November 1947 with support from the Karmkshetra Educational Foundation and the Ahmedabad Education Society. Prof. Kalpathi Ramakrishna Ramanathan was the first Director of the institute. The initial focus was research on cosmic rays and the properties of the upper atmosphere. Research areas were expanded to include theoretical physics and radio physics later with grants from the Atomic Energy Commission. He led the Sarabhai family-owned business conglomerate. His interests varied from science to sports to statistics. He set up the Operations Research Group (ORG), the first market research organization in the country. Most notable among the many institutes he helped set up are the Nehru Foundation for Development in Ahmedabad, the Indian Institute of Management Ahmedabad (IIMA), the Ahmedabad Textile Industry's Research Association (ATIRA) and the (CEPT). Along

with his wife Mrinalini Sarabhai, he founded the Darpana Academy of Performing Arts. Other projects and institutions initiated or established by him include the Fast Breeder Test Reactor (FBTR) in Kalpakkam, Variable Energy Cyclotron Project in Calcutta, Electronics Corporation of India Limited (ECIL) in Hyderabad and Uranium Corporation of India Limited (UCIL) in Jaduguda, Jharkhand. Sarabhai started a project for the fabrication and launch of an Indian satellite. As a result, the first Indian satellite, Aryabhata, was put in orbit in 1975 from a Russian cosmodrome. He was the founder of Indian Space Research Organisation.

On 30 December 1971, Sarabhai was to review the SLV design before his departure for Bombay the same night. He had spoken to A. P. J. Abdul Kalam on the telephone. Within an hour of the conversation, Sarabhai died at the age of 52 due to cardiac arrest in Trivandrum (now Thiruvananthapuram). His body was cremated in Ahmedabad.

(Information Source: Wikipedia)



Four Students of Electronics Engineering Department Got Placed in Bajaj Auto Pvt. Limited, Chakan

In Academic Year 2021-22, Bajaj conducted online campus placement drive for the students of Final Electronics Engineering department got placement in this placement drive. The selected students got offer letter from company administered by Mr. Amol Sapkal, Lecturer-Departmental coordinator for Training of institute Training and placement Jinturkar, Principal, Government Polytechnic, Amabd and Mr. P.U. Awate / Head of Department, Electronics Engineering and all faculties congratulated the selected students for their great success and achievement.



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Sr. No.	Name of Student	Class	Post offered	Salary
01	Mr.Kharat Abhishek Sunil	Third Year EX	Diploma Trainee Engineer	11500/- per month
02	Miss.Dangare Sushma Subhash	Third Year EX	Diploma Trainee Engineer	11500/- per month
03	Miss.Sarode Geeta Hanuman	Third Year EX	Diploma Trainee Engineer	11500/- per month
04	Mr.Kolhe Swapnil Radhakishan	Third Year EX	Diploma Trainee Engineer	11500/- per month

INSTITUTE VISION

To be a source of globally competent technocrats by imparting quality technical education.

INSTITUTE MISSION

1. To nurture the students with quality technical education.
2. To develop technically competent and employable human resources by imparting hands on experience to cater the need of the industry.
3. To impart lifelong learning skills and ethical values in the students.

DEPARTMENT VISION

To be a source of Globally Competent Technocrats to meet ever changing and ever demanding needs of Electronic Industry and the Allied Fields.

DEPARTMENT MISSION

1. To empower the students with proficiency, Technical knowledge and Practical skills required to excel in dynamic field of Electronics to pursue Higher education and establish them as world class technician and practicing engineer.
2. To impart quality and value based education to raise satisfaction of all the stake holders.
3. To organize co-curricular and extra-curricular activities for personality development and employability enhancement for the students

Program Outcomes

1. **Basic knowledge:** An ability to apply knowledge of basic mathematics, science and engineering to solve the engineering pr
2. **Discipline knowledge:** An ability to apply discipline – specific knowledge to solve core and/or applied engineering pr
3. **Experiments and practice:** An ability to plan and perform experiments and practices and to use the results to solve engineering pr
4. **Engineering Tools:** Apply appropriate technologies and tools with an understanding of the limitations.
5. **The engineer and society:** Demonstrate knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to engineering practice.
6. **Environment and sustainability:** Understand the impact of the engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development
7. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
8. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse/multidisciplinary teams.
9. **Communication:** An ability to communicate effectively.
10. **Life-long learning:** Recognize the need

Program Specific Outcomes

PSO 1: Develop and maintain various systems in the field of Electronics and Telecommunication Engineering.

PSO.2: Use EDA Tools to develop Electronics Engineering circuits.

PSO.3: Adapt rapid changes in Electronics technology and Industry, Undertake higher studies and engage in lifelong learning skills.

Program Educational Outcomes

PEO-1: To obtain strong foundation in science, mathematics and ability to apply these concepts in the field of Electronics Engineering.

PEO-2: Adopt state of art Electronics engineering broad based technologies to work in multi-disciplinary work environment.

PEO-3: To inculcate professional ethics, good communication skills, Leadership qualities and spirit of team work.

Editorial Board

Dr. A. M. Jinturkar	Principal
Mr. P.U. Awate	Head of Department
Mr. M. J. Pingle	Coordinator

Engineering is a
creative practice.

Cory Arcangel

