

PROJECT BASED LEARNING- ACTIVE EXPLORATION OF REAL WORLD CHALLENGES (11 APRIL 2019)



Project based learning prepares students for academic, personal and career success and readies young people to rise to the challenges of their lives and

INAUGURATION OF PLASTIC BOTTLE RECYCLING MACHINE AT DR. K. M. VASUDEVAN PILLAI CAMPUS, NEW PANVEL



On the occasion of World Environment Day, Pillai College of Engineering; in collaboration with Reliance India Ltd., has installed a Biocrux Plastic Bottle Recycling Machine at K.M. Vasudevan Pillai campus, New Panvel. Biocrux India is a pioneer in providing sustainable 360 degree solution for PET waste. The launch of this unique initiative, has catapulted Dr. K. M. Vasudevan Pillai Campus to be the first PET Neutral College Campus in entire Maharashtra.

Budding Engineers at Pillai College of Engineering, are thus learning an important lesson to Reduce, Reuse and Recycle plastic bottles—the most recycled plastic item across the globe. The inauguration of the unit was done by Dr. Ganesh Deshmukh (Panvel Municipal Commissioner), along with Dr. K. M. Vasudevan Pillai (CEO), Dr. Priam Pillai (COO) and Dr. Sandeep Joshi (Principal, PCE).

The function was also graced by Mr.

the world they will inherit. They demonstrate their knowledge and skills by developing a public product or presentation for a real audience. As a result, students develop deep content knowledge as well as critical thinking, creativity, and communication skills in the context of doing an authentic, meaningful project. Project Based Learning unleashes a contagious, creative energy among students and teachers. Taking into consideration this aspect Department of Applied Science, Mathematics and Humanities, PCE introduced concept of PBL to first year students and organized PBL Demonstration on 11 April 2019. This effort was widely appreciated by students, faculty and parents.

Abhijit Datey (Reliance PET Business Head), Mr. Rajiv Kumar (Sr.General Manager- Business Development, Reliance Ind. Ltd.), Mr. Ajay Mishra (Biocrux India) and Dr. Biswajit Panda (faculty, PCE).

Speaking on the occasion, Dr. Ganesh Deshmukh, emphasized that the PBRM was an excellent example of segregation and processing at source. He further appealed to promote such activities in residential societies, and to consider the recycling process as not only a duty but also a sacred responsibility. Mr. Abhijeet Datey too expressed his views on the occasion and emphasized that the young student generation will spread the message and ensure commitment towards one role towards environment conservation, through eliminating the ill-effects of plastic. Dr. Sandeep Joshi, said that while PCE was always promoting the reuse of plastic in an environmentally compatible manner, the PBRM was the next step in this direction.

Installation of PBRM is indeed a small step towards environment conservation, taken at K.M. Vasudevan Pillai campus, New Panvel, and will definitely turn out to be a large leap towards developing a cleaner and greener, Smart New Panvel, in the near future.



1. Gold Medal in Mumbai Mayor Cup Ms. Purva Shivram Kinare from FE (Division E) has won the Ms. Yogini Title - Gold in the Mumbai Mayor Cup, Mumbai City.



Mr. Harikrishna Nair (Division A) won Third prize in Inter-collegiate kho-kho competition organised by SIES Sion.

Faculty Publication and Honours



Dr. Surabhi.

Best Paper Award, "Recovery of Unburnt carbon from fly ash of Eastern India (ICASTe-2018) held on 20-21st of April, 2018.



Dr. Deepali Srivastava.

Project "Synthesis of Polyimide Films with Low Dielectric Constant" Sanctioned by DST (Department of Science & Technology) for 30 Lakhs March 2018.



Dr. Manju Pillai.



Dr. Biswajit Panda.

A Text Book of Applied Chemistry -II (Mumbai University syllabus), Second edition: 2017-2018, P. Jamnadas LLP, Mumbai. Dr. Manju Pillai and Dr. Biswajit Panda



Mahatma Education Society's

PILLAI COLLEGE OF ENGINEERING, NEW PANVEL

Dr. K. M. Vasudevan Pillai Campus, New Panvel

www.pce.ac.in

2019

DEPARTMENT OF APPLIED MATHEMATICS, APPLIED SCIENCE AND HUMANITIES

CLEAN ENVIRONMENT - THE MISSION OF BUDDING ENGINEERS AT PILLAI COLLEGE OF ENGINEERING



"The greatest threat to our planet is the belief that someone else will save it"- Robert Swan.

Promoting environmental awareness is an easy way to participate in creating a brighter future for our society. To spread the awareness about keeping the environment clean, Mahatma Education Society's Pillai College of

Engineering, New Panvel (PCE) organized an Environmental Awareness Rally on 23rd August 2018, with an intention to save environment from further degradation.

A huge positive response was received from the First Year Engineering students of PCE along with teaching and non teaching staff of the college and with the assistance of organisations as well as some enterprises. As a result around 600 people participated in the rally.

Students prepared placards and slogans for the rally which displayed their enthusiasm. The placards covered themes related to plastics, water, tree plantation, waste management and the concept of 3Rs.

The rally encompassed almost 4 km path around the college. The route of the rally was selected in such a way that it covered high population density areas in order to reach maximum people about environmental awareness. For the smooth and safe conduct of the rally a prior permission was taken from the local police station and traffic police of New Panvel.

The Environment awareness rally made a powerful point that the environment is incritical condition and while there is still hope to change the course.

Edited by-

Leena Potdar
Darshana Pachkawade

ACTIVITY BASED LEARNING- A NEW TREND AT PILLAI ENGINEERING : MATHEMAGIC 2018



Department of Applied Science, Mathematics and Humanities organized its annual activity Mathematics Quiz on 6 October 2018 for the first year and second year engineering students. The main objective of this quiz was to make students understand the basics of Applied Mathematics in an interesting and challenging way. This would

definitely be a great help for those students who prepare for competitive examinations like Gate.

Six groups consisting of twenty four students were selected for final quiz after elimination round. The final quiz had three rounds namely Mastermind round, Bonus round and Fastest Finger round. The first three winning groups were awarded with cash prizes of rupees five thousand, three thousand and two thousand respectively and rest of the finalists were given the certificate of participation.

The winners of Mathematics Quiz 2018 are as follows

First Prize Rs 5000 Group Name:-De

Moivre and Karl Pearson

- 1) Ms. Snehal Shahaji Mane
- 2) Mr. Harshvardhan Pandey
- 3) Mr. Dhruv Patel
- 4) Mr. Saurabh Pahwa.

Second Prize Rs 3000 Group Name:- Leibnitz and De-Morgan

- 1) Mr. Makane Sarvesh
- 2) Mr. Mendon Sahil
- 3) Mr. Sanjeet Bodkhe
- 4) Mr. Priyadarshan Parai

Third Prize 2000 Group Name:- Taylor and Fermat

- 1) Mr. Vishwakarma Aman Awadh
- 2) Mr. Shimpi Siddesh Vijayanand
- 3) Mr. Aditya Maheshwari
- 4) Mr. Sushrut Kuchik

AARAMBH -FRESHERS' DAY AND FELICITATION PROGRAMME



Anupama Rai



Sadashiv Shinde



Nikhil Ghule

Aarambh is a beginning of new life. Pillai college of Engineering celebrates this new beginning of budding engineers with Freshers' party along with felicitation of the academic toppers. The Felicitation function was followed by the event Mr. Fresher and Miss Fresher. The event was divided into various rounds and well received and appreciated by all. The toppers were felicitated for their outstanding achievement.

MUMBAI AREA COMPLEX SYSTEMS CONFERENCE



Pillai College of Engineering, New Panvel under the banner of Mahatma Education Society successfully organised and hosted Mumbai Area Complex Systems Conference 2018 on 19th November, 2018. It was inaugurated by Dr. Sandeep Joshi, Principal, Pillai College of Engineering, New Panvel. This unique conference facilitated to bring together eminent experts, researchers, scientists, professionals and research scholars from prestigious institutions like B.S.B.E.(Bio-Sciences and Bio-Engineering), I.I.T-Bombay, B.A.R.C, Indian Institute of Geomagnetism and other colleges in and around Mumbai. Nearly 60 participants enthusiastically registered and attended this conference. The study of Complex Systems encompasses many disciplines of basic sciences, engineering sciences, social studies, economics, management etc. Insightful talks and lectures were delivered by distinguished speakers like Padmashree Dr. Mustansir Barma, Dr. Punit Parmananda, Dr. Dibyendu Das, Dr. Mithun Mitra,

Dr. Kiran Kolwankar, Dr. P.S.Goyal, Dr. Shamik Sen, Dr. Ranjith Padinhateeri, Dr. Binoy Goswami and Dr. Amar Kakad, They dealt with diverse topics like Bose statistics, Non-equilibrium phase transitions of hard rods: Some surprises and insights, Complex Fluids, Physical Regulation of Cell Behaviour, Nucleosome positioning and Chromatin Assembly, Welcome to Multistable World, Complex nature of plasma wave processes in near Earth's space plasma environment. The sessions were educative, informative and highly interactive. It also included Poster Presentations by research scholars related to the topic. It served as a wonderful platform where experts and professionals came together to share their practical knowledge. Dr. Priam Pillai, Chief Operating Officer (C.O.O.) of Mahatma Education Society also graced the occasion with his presence. The event culminated with a vote of thanks by Dr. Arun Pillai, Head of A.S.M.H. (Applied Science, Mathematics & Humanities)

BASIC WORKSHOP PRACTICES MOTIVATED GARAGE SALE



The workshop -in- charge V.V. Sojan along with his team organized two day garage sale on the workshop premises. The sale was arranged on 11 and 12 January 2019. It saw a huge turn out as the items made by first year students as part of their first semester basic workshop practices were displayed. It was open for teaching, non-teaching staff and students. The enormous response resulted into good collection.

ALEGRIA THE FESTIVAL OF JOY



The most awaited Festival of the year arrived with a bang and concluded on a happy note. The five day festival from 5 February to 9 February 2019 saw a number of students coming across the state, participating in more than 100 events and competitions which include treasure hunt, sports, technical and literary events, mind games and fashion shows. The festival had theme "Cosmos". The campus was graced by the presence of popular guest celebrities Sangram Chougule, Warina Hussain, Feel Crew, Olly Esse, DJ Shaan, The Progressive Brothers, Parashara, and Mariana Bo.

ONE-DAY CONFERENCE ON POLYMER PROCESSING



Pillai college of Engineering, a leading Engineering college in Navi Mumbai is actively involved in research in several areas. Polymer Processing Academy formed in 2011 aims to have active participation from the polymer processing fraternity around the globe. The modern scientific tool

revolutionized the processing of polymers. The future of mankind will evolve around energy resources, food, health, mobility, infrastructure and communication. To handle these challenges, polymers will play a key role in finding solutions.

The conference witnessed the scientific sessions like talk of key note speakers, insightful lectures by the noted speakers and presentation of contributory posters. The speakers were from academic institutes and industry.

The audience was enlightened by the scholarly talks by Prof, Ashok Mishra, Prof. A.K. Ghosh, Dinesh Kumar, Dr. Arup Bhattacharya, Dr. Priam Pillai and Dr. D.S.Bag.

VOCABULARY HUNT -GAME BASED LEARNING



The Department of Applied Science, Mathematics and Humanities planned to organize an activity for the first year students that will enable students to enhance their vocabulary. In order to make it interesting, challenging as well as competitive, the element of game was used in this activity.

The game was designed in the form of Treasure Hunt. It was different from the usual Treasure hunt, in the sense that here the students were expected to hunt for the appropriate word and complete the puzzle, and not the place. For this, the students were instructed to form groups of three each and register their names by paying a registration fee of Rs 60/- per group.

There were two rounds of the game. The first round was the elimination round where the students had to undergo a written test comprising vocabulary and grammar questions. The date for the

same was scheduled on March 25, 2019. The duration of this test was for 30 minutes. Top 10 groups were qualified for the second round which was scheduled on March 30, 2019. All students of the 10 groups were given certificates of participation to motivate and instill in them a feeling of competition and fun. Cash prize was also awarded to the three winning groups of Rs 2500/-, Rs 1500/-, and Rs 750/- respectively.

This activity was designed to help students learn by enjoying and playing. Vocabulary is a key element in the construction of sentences and presenting one's ideas with clarity and confidence. It is with this idea the game was introduced for the first year students

The First prize was won by the group of F division included Saloni Garge, Rutuja Kadam and Deepika Gupta. The second prize won by students of B division included Manju Narayana, Aditya Nair and Harshvardhan Pandey. The third prize won by B division including Debabrata Mishra, Ameya Joshi and Ajay Nair. The consolation prize was won by F division including Abhinav Menon, Tejas Chavan and Aakarsh Verma.

FOOTBALL AND THROWBALL COMPETITION FOR FE STUDENTS 2018-19



Sports Competition was held in Pillai College of Engineering New Panvel from 25 September to 28 September in which 160 FE students from different divisions took part in discipline of Football and Throwball with great enthusiasm. Dr. Arun Pillai and Dr. Manju Pillai, FE coordinators of the institution were the chief guests on the occasion of the finale. The programme was organised and managed by Sports Secretary Vishal Singh and his Team. Football competition was held for Boys of First Year. In total 9 teams from Division A to I took part. In final, the match between I Division and B division was played. The match ended, making I division the inaugural champion of the FE Competition. The match was officiated by Kushal Suvarna and Shreyash Nivagune as referees.

Throwball competition was held for Girls of First Year. Here too 9 teams from Division A to I took part. In the final D Division came out as winner after comfortably beating F Division (2-0). Sagarika Chandel and Vedant Kharvatkar acted as referees. On the occasion, FE coordinators, Dr. Arun Pillai and Dr. Manju Pillai along with PCE Sports incharge Mr. Yogesh Kene, congratulated the winning teams and encouraged all the students and advised them to take part in the games and other co-curricular activities. The event was a huge success with support from Principal of PCE - Dr. S. M. Joshi, teachers, students and all the volunteers. Certificates and Cash Prizes were also distributed among the winners and runners up.