

ZES's Zeal Polytechnic



Issue Highlights

- ✓ Vision & Mission
- ✓ Objective & Goals
- ✓ PEO's & PO's
- ✓ Co-curricular Activities
 - Guest Lectures/ workshops organized
 - Industrial visit
- ✓ Extra-curricular activities
 - Fresher's carnival
 - World Entrepreneur day
 - Teacher's day
 - Engineer's day
- ✓ Social Awareness:
 - Water Tankar provided to village Vagani
 - Needful goods provided to flood affected Areas such as satara, sangali, Kolhapur
- ✓ Latest Technologies In Computer
- ✓ Faculty Achievements

Vision & Mission of Computer Department

Objectives & Goals



- **Our Vision:**

Create professionally competent and socially responsible engineers to work in global environment.

- **Our mission:**



1. Implement diversified teaching learning process methodologies to meet growing requirements of industry and society. (Teaching Learning Process methodologies)

2. Involve students in the installation and troubleshooting of software and hardware systems by demonstrating and using modern tools and methodologies. (Technical Competency)

3. Inculcate interest, team work and professional ethics among students. (Professional Ethics)

4. Assistance to increase interaction of students with society to identify innovative user friendly software and hardware solutions for the humankind.(Social Contribution)

Program Education Objectives

Program Outcomes

PEO 1: Computer Engineers will procure knowledge of computer engineering to understand, analyze and solve real time software and hardware problems. (Fundamental Knowledge)

PEO 2: Computer Engineers will be employable in various industries, government/private organizations or continue higher education in the interested domain. (Employability)

PEO 3: Computer Engineers will attain inter-personal skills, professional ethics and social responsibilities expected by diverse sectors. (Professional Ethics and Social Responsibility)

PO's :- 1. Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.

3. Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.

Hon. Shri. S. M. Katkar

Founder Director
Zeal Education Society, Pune



Zeal education society has entered in technical education in a big way by starting a Polytechnic college with five disciplines, with the Good teachers for giving good education to our students. Our infrastructure and human capital as a society are positive of providing the best education to cope up with the globalization challenges on any field. Quality always has been the thrust of our society and that has been proved from time to time by getting social recognition in the form of various awards. “We are confident that with your support and patronage we will succeed in our mission and vision for nation.”

Hon. Mr. J. S. Katkar

Secretary

Zeal Education Society, Pune.



I completed diploma in Mechanical engineering and then went to management studies at graduation and post-graduation level. The training I received in diploma helped me become more performance oriented. It gave me practical experience of everything at a very tender age. In zeal polytechnic, we are continually working towards giving practical exposure and first hand training to all students. The work results of our pass out students are fabulous. When they go on job, they feel it easier to cope up with the environment and to them the work looks like a routine life. It eases their efforts and minimizes the gap between academics and industry. Finally it helps the students to achieve their dreams of life more easily.

This newsletter covers all the efforts taken by students, staff members and all stakeholders of the department. I wish them all the best for the effort.

Hon. Mr. Pradip

Khandave,

Executive Director,

Zeal Education Society, Pune



On behalf of management, I congratulate Computer department on releasing its first issue of newsletter. Ultramodern laboratories and knowledgeable, versatile and well qualified staff members are the asset of the Zeal Polytechnic. We encourage all staff members to go for research and for higher studies. The results are really excellent. Teachers imbibe the zeal in to the upcoming generations.

We also encourage every student to participate in co-curricular and extracurricular activities. Hence our students outshine in all spheres of life. They are researchers, entrepreneurs, managers, technical advisors and so on with excellent out- comes. I wish this newsletter begins a new era in the progress of the department and it brings an ever growing fame to it.

Principal's Message

Hon. Dr. S. A.
Deokar
Principal,
Zeal Education Society, Pune



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HOD's Message

Prof. S. B. Tamboli
Head of Department
Department of
Computer Engineering



It gives me immense pleasure that the computer department is publishing its first edition of newsletter. The motive behind the publication of newsletter is to showcase the achievements gained by faculty, students and stakeholders attached with the Computer Department. The Computer Department has established state of art laboratories and provides computing facilities to shape the students at par. The Computer Department is fully devoted for the all-rounder development of students.

All the experienced and devoted faculty members are involved deeply to shape up the career of students. The faculty members keep monitoring on students attendance, behaviors, discipline & results of this is ensured in building their positive attitude & personality development. The students are continuously motivated to involve in innovative projects, activities apart from regular time bound academic work. The Computer Department is

acting like incubation center in shaping the professional life of students. The Computer Department is committed to & initiated various processes & methodologies for the improvement of academic.

Guest Lecture and workshops



Motivational Lecture

Name of speaker :

Raghvan Koli

Mumbai

Date 26 Aug 2019

Motivation for Students – Why It Is Important

Motivation plays a key role in whether we become successful in life or not. Whether we reach our goals or not. This rings true to all people regardless of their status, profession or age. We cannot achieve much without the determination to reach our goals no matter how big or small they are.

In whatever we do, we will never succeed if we lack the will and perseverance to hurdle obstructions that get in the way.

For students, motivation is essential to be able to catch up with everyday lessons and learning.

Learning institutions such as schools serve as the training ground for future leaders, and as a training ground which is the cornerstone of democracy it is deemed to have crucial role in instilling the sense of determination to the students.



Social Links

https://www.instagram.com/raghvan_koli/(Instagram)





Python and PHP Programming

PHP: Hypertext Preprocessor (or simply PHP) is a general-purpose programming language originally designed for web development. It was originally created by Rasmus Lerdorf in 1994; the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.



Python is a multi-paradigm programming language. Object-oriented programming and structured programming are fully supported, and many of its features support functional programming and aspect-oriented programming (including by meta-programming and meta-objects (magic methods)).

Python uses dynamic typing, and a combination of reference counting and a cycle-detecting garbage collector for memory management.



Guest Lecture
Name of speakers:
Mr. Gourav
Govande
Wisdom Lab Baner

Date : 3/8/2019

Workshop
Python
Programming
Trainer :
Utkarsh Gulumkar
Date : 4-5 sept 2019



NK Proteins

SOCIAL AWARENESS

WE'RE MAKING
A DIFFERENCE FOR
TOMORROW



Social awareness is the ability to understand the emotions, need and concern of other people pick up on emotional cues feel comfortable socially and recognize the power dynamics in group or organization.

WHY IT IS IMPORTANT ?

For better understanding towards the improvement of our society.





Zeal News on



झील एज्युकेशन सोसायटी तर्फे मोफत टॅकर सेवाझील एज्युकेशन सोसायटीने भागवली वांगणी गावाची तहान.

महाराष्ट्रात भीषण पाणी टंचाईची समस्या भेडसावत आहे. पुणे जिल्ह्यातील वेल्हे तालुक्यातील वांगणी या गावाला सुद्धा पाणी समस्या आहे.हे गाव ३००० वस्तीचं आहे दैनंदिन कामांसाठी सुद्धा पाणी येथे उपलब्ध नाहीये त्यामुळे झील एज्युकेशन सोसायटीने या गावास भेट देऊन तेथील परिस्थितीचा आढावा घेतला.सामाजिक बांधिलकी म्हणून झील एज्युकेशन सोसायटी कडून आज 31 मे 2019 पासून पुढील महिनाभर या गावास टॅकर द्वारे मोफत पिण्याच्या पाण्याची सोय उपलब्ध केलेली आहे.या टॅकर दव्यारे जो पाणी पुरवठा केला जाणार आहे तो तेथील विहिरीमध्ये सोडून त्या ठिकाणाहून ग्रामपंचायती मार्फत घरा पर्यंत पोहचवला जाणार आहे यातून पाण्याची बचत होणार आहे. तसेच गावकर्यांना रोजच्या वापरास लागणारे पाणी हे रोजच्यारोज विकत घ्यावे लागत होते झीलने केलेल्या मदतीमुळे आता त्यांचा आर्थिक भार कमी होणार आहे.

या प्रसंगी डॉ.अजित काटे प्राचार्य झील कॉलेज ऑफ इंजिनिरिंग अँड रिसर्च यांनी वांगणी गावातील रहिवास्यांना या उपक्रमाची माहिती तसेच उद्देश सांगितला व सहकार्य करण्याचे आवाहन केले.यावेळी श्री कमलाकर सुतार (सरपंच,वांगणी),श्री दिगंबर चोरघे (मनसे,अध्यक्ष वेल्हे तालुका),श्री विठ्ठल चोरघे,श्री अशोक चोरघे (माजी सरपंच,वांगणी) हे उपस्थित होते.

या कार्यक्रमाचे नियोजन डॉ.अमोल उबाळे, डॉ.ऋषिकेश काकांडीकर ,डॉ.योगेन्द्रकुमार देवकर आणि श्री तानाजी चोरघे यांनी केले होते.

या कार्यक्रमाचे आयोजन श्री जयेश काटकर, सचिव, झील एज्युकेशन सोसायटी आणि श्री प्रदीप खांदवे ,कार्यकारी संचालक, झील एज्युकेशन सोसायटी यांचे मार्गदर्शनाखाली करण्यात आले होते.

Floods have hit the districts of Kolhapur and Sangli hard with the city of Sangli completely.



Zeal Institute especially zeal students took initiative to give respect to this evocation from News TV Channels. They helped with whole heartedly to sangali, satara and Kolhapur people.



Zeal students continue their social awareness activity to make people realize that it's everyone's responsibility to help each other without any expectation.

To make this thought practical, students performed street paly on the 15th August 2019.

Extra Curricular Activites

Freshers Carnival 2019

Official Announcement Poster



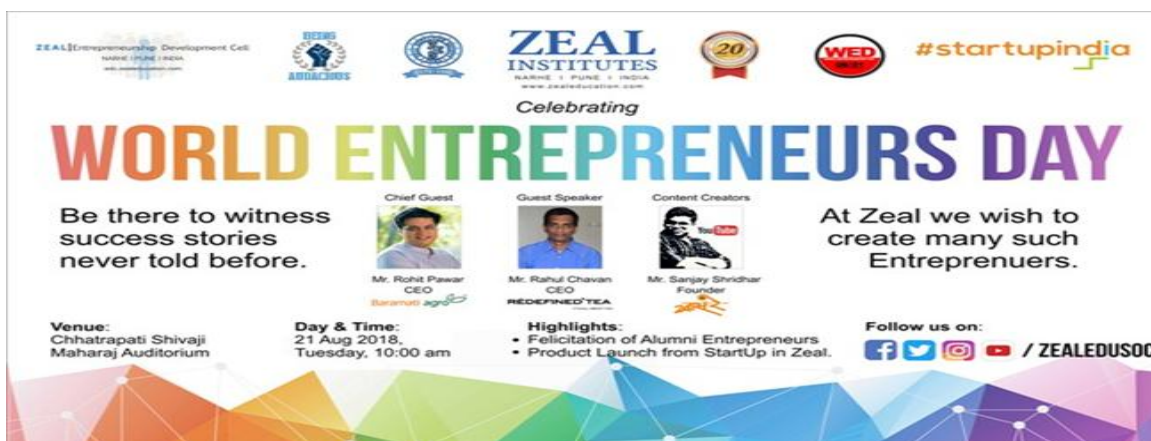
Students' Excitement



Teacher's Involvement



Official Announcement Poster

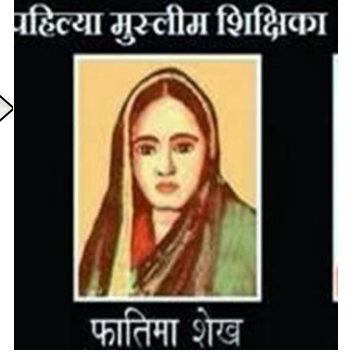
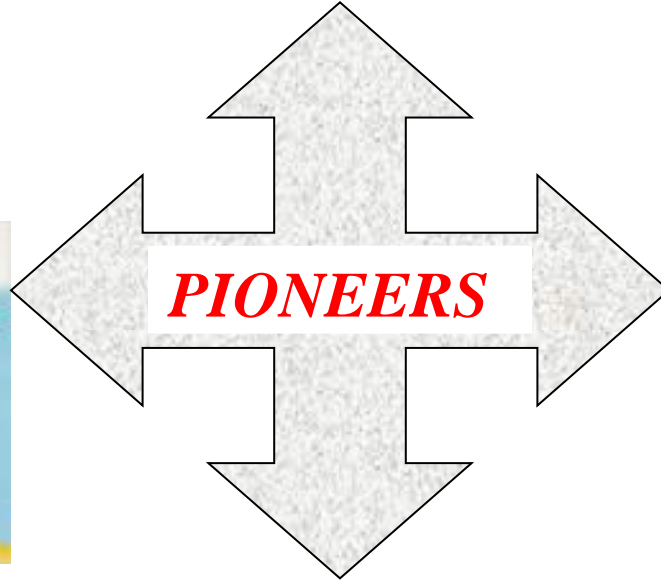


On 21st August, 2017 Zeal Education Society have celebrated World Entrepreneur Day with ten Eminent entrepreneurs.

The eminent guests are:

- Mr. Amol Chaphekar (Managing Director, Strata Enviro Pvt Ltd.),
- Ms. Sunanda Verma (The Daftar, Marketing, Brand Creation & Brand Management),
- Mr. Vikrant Vartak (Managing Director, The Senate Business Center),
- Mr. Upendra Rai (Director, Millionminds),
- Dr. Parag Kulkarni (Founder, Chief Scientist, CEO, iknowlation Research Labs Pvt Ltd)
- Mr. Vishal Adsool (Mikro Innotech India Pvt Ltd),
- Mr. Rajesh Pawar (Founder, Chief Executive Officer at Equations Work)
- Mr. Sandip Shinde (Chairman & MD, Sai-Lee Electrotekniks. Pvt Ltd)
- Mr. Suresh Umap (RO, MCED, Pune)
- Prof. Namdevrao Jadhav (Shivaji the Management Guru)

Teacher's Day Celebration



महात्मा जोतिबा और सावित्रीबाई फुले

आपल्या भारतात ५ सप्टेंबर या दिवशी शिक्षक दिन साजरा केला जातो. आपल्या भारताचे राष्ट्रपती डॉ. सर्वपल्ली राधाकृष्णन यांचा हा जन्मदिवस. डॉ. राधाकृष्णन हे एक शिक्षक होते. शिक्षकांप्रती असलेले प्रेम पाहून त्यांचा हा वाढदिवस शिक्षक दिन म्हणून साजरा करण्याचे भारत सरकारने ठरवले. तसेच डॉ. सर्वपल्ली राधाकृष्णन हे आपल्या भारताचे दुसरे राष्ट्रपती होते. यादिवशी सर्व विद्यार्थी आपल्या शिक्षकांबद्दलचे प्रेम व्यक्त करतात. विद्यार्थी आपल्या शिक्षकांच्या पाया पडतात. आदरपूर्वक नमस्कार करतात. काही विद्यार्थी गुलाबाचे फुल देऊन तर काही विद्यार्थी एखादी भेटवस्तू देऊन आपले प्रेम व्यक्त करतात. शिक्षक हा समाजाचा निर्माणकर्ता आहे. शिक्षक हे आपले सर्वात मोठे आणि महत्वाचे गुरु आहेत. शिक्षकांना वैदिक काळापासूनच गुरुचे स्थान आहे. सर्वच शिक्षक हे समाजामध्ये परिवर्तन घडवून आणण्याचे महत्वाचे कार्य करतात. सर्वच शिष्यांनी आपल्या गुरुंविषयी आदरपूर्वक सन्मान, प्रेम आणि कृतज्ञता व्यक्त करण्याचा हा दिवस. शिक्षक हे केवळ आपल्याला पुस्तकी ज्ञान देत नाहीत तर आपण त्यांच्याकडून जगण्याची कला आत्मसात करत असतो. विद्यार्थ्यांमधील आत्मविश्वास वाढविण्याचे काम शिक्षक करतात. शिक्षकांमुळे

आपण जीवनामध्ये बऱ्याच काही नवनवीन गोष्टी शिकतो. भविष्यातले शिक्षक, शास्त्रज्ञ, डॉक्टर, इंजिनियर, लेखक आणि काही विचारवंत तयार करण्याचे सामर्थ्य शिक्षकांमध्ये असते. आणि या सर्व शिक्षकांमुळेच मुले विचार करतात, चांगले शिक्षण घेतात आणि मोठमोठ्या पदांपर्यंत पोहोचतात. आपण जेव्हा पहिल्यांदा बालवाडीमध्ये शाळेत जातो तेव्हा आपल्याला या जगाची काहीच माहिती नसते त्यावेळी हे शिक्षक आपल्याला बऱ्याच काही नवनवीन गोष्टी शिकवतात सर्व वस्तूंची माहिती देतात. तसेच आपण आपल्या आई वडिलांपासून पहिल्यांदा दूर राहतो तेव्हा आपली संपूर्ण जबाबदारी शिक्षक घेतात. म्हणूनच शिक्षकांना दुसरे पालक ही म्हटले जाते. आपले विचार, मते घडवण्यामागे शिक्षकांचा मोठा वाटा असतो. आपल्याला चित्रांवरून वेगवेगळ्या वस्तूंची माहिती करून देतात, जगभराच्या ज्ञान देतात. प्रार्थना म्हणायला शिकवतात आपल्यावर चांगले संस्कार करतात. अशाप्रकारे आपले हे शिक्षक आपल्याला घडवत असतात. या शिक्षकांबद्दल प्रेम व्यक्त करण्यासाठी, गुरु शिष्यांमधील हे नाते कायम ठेवण्यासाठी हा शिक्षक दिन साजरा केला जातो. यादिवशी अनेक शाळांमध्ये शिक्षकदिनानिमित्त विविध कार्यक्रमांचे आयोजन केले जाते. काही विद्यार्थी आपल्या शिक्षकांबद्दलचे आपले प्रेम, मनोगत व्यक्त करतात. शाळेकडून सर्व शिक्षकांना पुष्पगुच्छ देऊन शुभेच्छा दिल्या जातात. तसेच शेवटी शिक्षक सुद्धा आभारप्रदर्शन करतात.



A teacher should have a creative

A. P. J. Abdul Kalam

Engineer's Day

Students celebrated 15th September as Engineer's day at Computer Department. All faculties are invited for the program. Students organized different events such as show of short video of Dr. Vishveshwaraya, Act play and many more things.



HOD explored the ideas of latest technology to the students. He also makes them aware of the importance of engineering in the real life.



Latest Technologies In Computer



Top 10 Trending Technologies in 2019

1. *Artificial Intelligence*
2. *Blockchain*
3. *Augmented Reality and Virtual Reality*
4. *Cloud Computing*
5. *Angular and React*
6. *DevOps*
7. *Internet of Things (IoT)*
8. *Intelligent Apps (I – Apps)*
9. *Big Data*
10. *RPA (Robotic Process Automation)*


News Letter



Head of Department Mr. S. B. Tamboli, achieved the certificates for cyber security and certified trainer certificate from skill India (NSDC)






Roll No: NPTEL19MA15S31970154
To
ZEAL COLLEGE OF ENGINEERING AND RESEARCH
PUNE

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate

1/977



No. of credits recommended by NPTEL:3



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

MADHURI BHAGWANTA THORAT

for successfully completing the course

Introduction to Automata, Languages and Computation

with a consolidated score of **57** %

Online Assignments	10.38/25	Proctored Exam	46.28/75
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Total number of candidates certified in this course: 850

Jan-Apr 2019
(12 week course)

A. Goswami
Prof. Adrijit Goswami
 Dean, Continuing Education & NPTEL Coordinator
 IIT Kharagpur




Indian Institute of Technology Kharagpur





Newly joined Faculty

Ms. Soanli Rokade



Topper students of the year 2019-20

Class/ Course	Merit No.	Name of the Student	% marks
Third Year Computer Engineering	1	Desai Samruddhi Sanjay	89.44
	2	Bhapkar Shruti Mohanrao	88.56
	3	Dange Sneha Sudhir	86.19

Class/ Course	Merit No.	Name of the Student	% marks
Second Year Computer Engineering	1	Vale Rutika Ajay	88.13
	2	Deo Aniket Dipak	87.02
	3	Katore Varsha Govind	84.93

Class/ Course	Merit No.	Name of the Student	% marks
First Year Computer Engineering	1	Khopade Vaishav Satish	89.13
	2	Khopade Pratik Dhanaji	84.75
	3	Sakpal Pranjali Pramod	84.13

Newsletter Prepared by

Mrs. Deepali A. Mankar

Lecturer,
Computer Engineering, Zeal Polytechnic,

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