Dear Readers,

It is an honor to introduce you all the annual magazine for the year 2018-19 of Computer Science and Engineering Department. The CSE department one of the best departments of PES College of Engineering conducts a variety of events every year in order to showcase student’s talent and their zeal and enthusiasm towards participating in various co-curricular activities. The magazine contains all the great events, workshops held by the CSE department in the year 2018-19. The department always tries to merge the student’s creativity with their technical skills.

The best thing about this issue is that it represents the creative side of CSE students as well as staff to a fair degree-something that we think we all need to reconnect with. Amidst the busy schedule of a 6-month semester, with 2-exams, practical, externals, submissions and all those assignments and problem sheets that make you want to bang your head on the wall, we tend to lose track of all the other simpler things that we are capable of, things that we could have been proud of, that can bring one satisfaction. So, this time we have made an attempt to bring out the talent concealed within our student community.

This edition of 2018-19 contains all the events and workshops and even visits held/conducted by the department. It also focusses on the students and staff achievements and even the creative skills of our students.

We hope you enjoy reading this issue as much as we have enjoyed making it.

Any suggestions or criticism on the magazine would be most welcome.
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INSTITUTE VISION

• To create sound technical manpower with global competitiveness, morality and social sense.

INSTITUTE MISSION

• To provide state-of-art technical infrastructure and motivate students to realise their own potential.

• To provide an embellished academic and congenial environment to students for a complete learning experience.

• To promote intellectual, moral and social democracy to ensure all round development of students.

DEPARTMENT VISION

• To become centre of excellence in computer education to create globally competitive graduate with moral and social responsibilities.

DEPARTMENT MISSION

• The CSE Department is committed to create computer engineers with updated professional competencies to work in various domains and having moral and social attributes leading to global competency by providing advanced technical infrastructure and learning environment.
From Principals Desk

My Dear Students,

I congratulate fresher for opting PES College of Engineering and appreciate our current students for excelling in their studies in the current academic year 2019. The constant efforts of my teachers and students contribute to institution in its up-gradation day by day.

Particularly speaking, the department of Computer Science and Engineering is having spacious laboratories well equipped with latest generation computers. Department has qualified and experienced full fledge faculties. Further, the faculties of the department constantly keep on improving their academics by completing/pursuing higher qualification such as Ph. D., various on line courses, registering Patents etc and keep themselves updated with time. At the same time the department regularly conducts study tours, industry-institution interactions, signed MOU’s with renowned companies such as Redhat, Star Academy U.S.A., Findability Science etc. The department provides soft skill training to every student to develop their interpersonal skills and their personality. The Computer Science and Engineering has rich heritage, its students being placed in world famous organizations and to this date some of the earlier students are working with Microsoft, Persistent and Infosys to its credit.

The e-magazine initiated by the department is really an inspiring platform to students where he/she can share his ideas, information, knowledge and experiences with their co-learners across the globe.

I extend my best wishes to editorial board and contributors of the e-magazine and congratulate all of them in making it an important resource.
From the Desk of Head of CSE Department

Dear Students,

I congratulate to the students and Editorial board for bringing out this issue of Departmental magazine. This magazine is providing a platform to bring out hidden literary talents in the students. It is a great step towards building professional and ethical attitude in them.

Students and staff achievements are highlighted through this magazine. Reading this magazine would surely be an inspiration and motivation for all the students and staff to contribute even more to forthcoming issue.

The outside world will come to know about the potential of the students and faculties through this magazine.

I extend best wishes for the success of this endeavour.

Dr. S. N. Kakarwal
Head CSE Department
FORCES 2018-19
Forum of Computer Engineering Students

As someone has said, “Students of Today Leaders of Tomorrow”. The prime concern of a council is to not only work for the department or college but to work for its students and towards its vision and mission. To keep that in mind the CSE department has a wonderful student council titled as ‘FORCES’ the Forum of Computer Science Engineering Students. It is not just a council but something more than that. To enhance good leadership and management skills we have FORCES. As the name suggests enforcing the students to showcase their leadership and management skills.

The inauguration of FORCES 2018-19 took place at Ashoka Hall on 8th September 2018 at 11:00 a.m. The council was inaugurated by the chief guest of the hour Mr. Debasish Gupta from Expert Solutions Aurangabad.

The FORCES was formed under the guidance of HOD Prof. V.A. Losarwar along with the Incharge of FORCES Prof. V.R. Mote and Co-ordinator Prof. S.M. Salve. There were different committees that were formed under the Flag of FORCES. Each committee has its own motive and works to do.
There were different events held by FORCES this year. Some of them are:

1. **Poster Presentation:** Poster Presentation Competition was organised by FORCES on 27 September 2018 at CR-18 from 10:30 to 3:30. This event was organised for SY (CSE) students to encourage their technical ideas in the form of creative posters. Topics for the poster presentation were Digital India, Save Girl Child, and Global Warming.

Around 36 students participated in this event. Group of 4 students i.e. total 9 groups worked hard and built up their creative ideas to win this competition. The winner group for poster presentation was Hemant Shettigar, Umme Ammara, Tashfin Ansari, Mirza Shoeb. The runner up group was Kiran Lodh, Vaishnavi Deshpande, Yogeshwari Gitte, and Snehal Wagh.
2. **PPT Presentation:** PowerPoint Presentation Competition was organised by FORCES on 27th September 2018 LAB-3 from 10:30 to 3:30. This event was organised for SY (CSE) students to develop presentation skills and build confidence. Topics for the PPT presentation were Digital India, Save Girl Child, and Global Warming. 10 students participated in this event. Group of 4 to 5 students was formed i.e. 2 groups brushed-up their presentation skills and started working on their topics to win this competition. The winner’s team was Aditya Kulkarni, Pratik Talele, Krishna Kathar and Rohit Bawaskar. The runner up team was Shirish Nigal, Sushil Shinde, Rohit Rayagal and Kalpesh Patil.

3. **2 Days Workshop on Python & IoT:** FORCES organised Two Days Workshop on Python and IoT on 25th and 26th September 2018. There were around 30 students who attended the workshop and gained intriguing knowledge from Prof. R. A. Awati who has 10 years of experience in Industry and Teaching.

4. **Clean City Awareness Rally:** On occasion of Gandhi Jayanti on 2nd October 2018 Saraswati Bhavan College organized rally on Clean City Awareness. All Colleges and schools from Aurangabad participated in the rally. There was active participation of various associations formed at different departments of P. E. S. College of Engineering like FORCES, MESA (Mechanical Engineering Student Association), EESA (Electrical Engineering Students Association) etc. The students actively participated in the rally. The rally route was from Govind Bhai Shroff Ground of S. B. College to Gulmandi then Mahatma Gandhi Statue at Shahaganj. Then the rally headed back to S. B. College Ground.
5. **Debate Competition:** Debate competition was organised by FORCES 25th September 2018 at CR-20 from 3:30 to 5:30 pm. This event was organised for TE (CSE) & BE (CSE) students to bring out the best, confident and straight speaker among them. The winner for this competition were Arti Dalvi and Anushka Gaikwad.

![Image of a classroom](image)

6. **C Programming Test:** On 24th September 2018, FORCES organised C Programming Test for TE and BE students. The winner for this test was Sahil Limbe from final year and runner up was Sandeep Kokane from third year.

Hence, FORCES enlightened the year with so many events and wonderful things for the department. Apart from these they also organized the FY induction Program to welcome the freshers and even a visit to an orphanage.
Two Days Technical Symposium on current Trends In Natural Language Processing and Its Business Applications.

Objectives:

1) Objectives of Symposium were to impart knowledge of NLP fundamental concepts and techniques of natural language processing (NLP),
2) To learn NLP tasks to elaborate on NLP Models & Algorithms,
3) To create awareness of NLP research, challenges, and its business applications.

Department of Computer Science & Engineering organized a two days Technical Symposium on 9th – 10th July, 2018 on ‘Current Trends in Natural Language Processing and Its Business Applications’. Objectives of Symposium were to impart knowledge of NLP fundamental concepts and techniques of natural language processing (NLP), NLP tasks to elaborate on NLP Models & Algorithms, to create awareness of NLP research, challenges, and its business applications. It was arranged for faculty members from AICTE approved Engineering colleges, Polytechnics, faculties from MCA/ M.Sc./IT colleges, delegates from Industry, Research Scholars and PG Students.

The symposium got a huge response from students and faculties. 42 delegates took benefit of it. On the inauguration on 9 the July, the chief guest was Mr. Suresh Shakkarwar, Vice President, Fundability Sciences, Aurangabad. He delivered the key note speech. In it, he gave introduction and overview of NLP. The convener of the symposium Prof. V.A. Losarwar, in her speech gave information about the objectives & session plan for the two days. For the first day sessions, the speaker was Mr. Onkar Dharmadhikari, Technical Lead, HCL, Pune. In all the sessions he elaborated on Morphological analysis, Chatbot and Parts of speech. He conducted hands on sessions for the said topics. For the second day, the first session started at 10.00 am.

The speaker was Prof. C. Namrata Mahender, Dept. of CS & IT, Dr. BAMU Aurangabad. She explained Parsing, WorldNet Applications of NLP and also conducted practical sessions on these topics. The Convener of the symposium was Prof. V.A. Losarwar, HOD CSE Dept. Prof S.D. Pingle was the Co-coordinator. Prof. S. V. Bhosle worked as organizing secretary and the other committee members were Prof. A.U. Jadhav, Prof. K.R. Dabhade, Prof. G.R. Gaud, Prof. S.M. Salve, Prof. R.H. Jadhav, Prof. B.N. Jha, Prof. N.S. Syed. Prof. A.S. Gadekar, Prof. N.R.
Khatri. With the efforts of all the above staff members and the student coordinators the event became a grand success. The speakers gave more elaborate knowledge on the topics. The participants gave excellent feedbacks about the contents of sessions, food, hall arrangement, the other facilities for lab sessions provided to them such as Wi Fi.
Seminar on RedHat Linux

Objectives:

- To know the career opportunities in RedHat Linux
- To understand how RedHat provide support & services in Open Source technology.
- To understand Value of RedHat Certification Globally.
- How to apply & qualify graduate training programme in RedHat.

The Expert Lecture on RedHat Linux was conducted by Department of Computer Science and Engineering on 31/08/2018. It was commenced @ 01:30 Pm in Ashoka Hall. It commenced with felicitation of 10 RHCSA certified students, 10 Cloud and Docker certified students and 3 students who got placement in Blaze Clan Pvt Ltd and ESDS software solution Pvt Ltd respectively by guest Ms Monika (Senior Technical Consultant) Redhat Mumbai

And Hon Head of Department Ms V. A. Losarwar.

Had conducted Expert talk on RedHat Linux, its importance in Industry, and how many Industries now rely on Redhat for their Business Development? And How RedHat provides support & services in Open Source technology Followed to Monika, Mr. G. R. Goud (RedHat in charge) explained the benefits of Redhat Certifications in Industry in Entry Level or for experience persons in industry. He also explained about Red Hat Academy which turns academic institutions into centres for enterprise-ready talent by outfitting them with Red Hat Training. This comes in the form of hands-on instruction, curriculum, labs, performance-based testing, and instructor support.
Alumni-Student Interaction

Objective:

✓ To utilize the rich experiences of old students of the college for the benefit and progress of the present students.
✓ To extend every possible help to the college authorities for overall progress of the institution.
✓ To arrange seminars, debates, workshops and also to arrange cultural and social welfare programs

Dept of computer science & engineering arranged alumni-student interaction on 3rd August 2018 from 11 am to 1 pm. The Head of Department, Prof V.A. Losarwar felicitated the guest speaker Prof Geetanjali Kale. Prof Kale Madam is working as an Assistant professor in Computer Engineering Department at PICT, Pune. She is alumni of 2001 batch. She has done PHD in computer engineering & has 16 years of teaching experience. She inspired the students very well on what they are looking for individual to get them into the job. Even she taught the student on how to decide their stream for their bright career ahead.

She focused on giving an idea to students regarding how to make use of opportunities like CSI activities, group discussion, aptitude training etc. conducted in the college. She appreciated the quality of education, resources and opportunities provided by the P.E.S college of Engineering for overall development of the students. In her speech, stated the importance of basic programming language C & C++. The entire session was interactive, students gained information about how to face an interview, what companies focus on and how to prepare themselves as a competent engineering graduate.

Total 90 students from SE, TE &BE attended the session.
**2 Days Workshop on Python & IoT**

**Objectives:**
- To provide a glimpse and insight into Future Technologies.
- To be familiar with Python programming.
- To have in-depth knowledge about Python and IoT.

FORCES organised Two Days Workshop on Python and IoT on 25th and 26th September 2018. There were around 30 students who attended the workshop and gained intriguing knowledge from Prof. R. A. Awati who has 10 years of experience in Industry and Teaching. She has worked and taught IoT, Python, Android, Cloud Computing, Mobile Computing, .NET (Visual Studio 2010), Embarcadero, C++, HTML and WML.

**Day 1:**
The First Day of the Workshop focused on teaching the basics of the Python Language. In the evening session hands-on practice was taken and students performed practical based on what was taught earlier in the morning. All students actively participated in the workshop and cleared all their doubts in practical session.

**Day 2:**
The Second Day of the Workshop continued with some advanced Python concepts and in the evening concentrated on introducing IoT. Further, hands-on demonstration and implementation on Raspberry Pi practical was shown. Eventually, the event concluded by students sharing their knowledge experience of the event with fellow students and expressing their gratitude to the resource person both verbally and by filling up the feedback forms.
Induction Program
FY B. Tech [2018-19]

Objectives of Induction Program:

✓ A common observation in higher education institutions is that students entering higher studies are, by and large not fully prepared for college-level education, especially in an academically demanding field such like engineering. We believe that much of this is due to lack of proper appreciation regarding university level education and approach to handle college life. To help prepare students better for the transition from school to Engineering, and to make of the most of the excellent education and environment provided at PESCOE, as per guidelines given by B.A.T.U, Lonere, the Institute is conducting an induction program.

✓ The main goal of the induction program is to help students shift plane from school to Institute life. Specifically, we hope that at the end of the program, students are committed and excited about learning, and appreciate that learning is crucial for their career and future as well as personal growth. This program will also help students to appreciate the importance of professionalism and value. At the same time, it will help them establishing a healthy bonding within the student community.

✓ The program also aims at ensuring that the students are better prepared for effective self-management – life skills, time management, effective study habits, balance between studies and extra-curricular activities, managing moods/addiction, etc. so that they can ‘gain the best development’ from their stay at PESCOE.

✓ Each day’s program will encompass a mixture of different types of activities: talks, panel discussions, presentations; hands-on activities and group work; sports; cultural. Detailed schedule is given below. Most sessions are interactive – students will be encouraged to express their views and participate actively.

Prof. Y.S. Pagar has conducted an Introductory session which encompasses overall idea of Department of CSE of PESCOE. Initially session started with introduction of all students with the motive to know each other. After that students were introduced with their mentors assigned to them, Prof. Y.S. Pagar, Prof. A.U. Jadhav, Prof. K.R. Dabhade, Prof. B.M. Kulkarni, Prof. G.R. Gaud. Then a meeting of all staff members of CSE with
FY B. Tech students were organized and all staff introduced themselves and mentioned expectations from students. Students were informed about FORCES (Forum of Computer Engineering Students) Association and activities conducted under it. They were informed about the detailed schedule of Induction Program and Attendance of it. Finally, session ends with distribution of sweets among students.

Prof. S.D. Pingle conducted the activities to enhance communication skills of students such as skits. She also elaborated the importance of interpersonal development and intrapersonal development for improving communication skills. She narrated the Importance of ability to do fast mathematical calculations to solve complex computational problems in less time. She explained alternative and faster tricks of solving two-digit multiplication, three-digit multiplication, square of two-digit numbers, finding square root, multiplying two-digit three-digit numbers with 99. After this, she gave the students exercises on the same. Students actively solved them. It was a fun learning experience for the students.

As it is said not only technical activities are required for anyone to excel, we also must have some skills towards sports. And looking towards that students were made to play different indoor and outdoor games, such as volleyball, kho-kho, badminton, carom, chess and many more interesting games.
Prof. A. Jadhav and Prof. Karan Dabhade had arranged a technical activity for First year students to develop CATAPULT (BAHUBALI WEAPON) using Popsicle sticks and rubbers.

11 groups with 3 member per group were formed provided with Popsicle (ice cream) sticks, Rubber band and glue. And rough idea was given initially to them. All group members had actively made the CATAPULT each one had implemented their own version. Which raised their creative ideas which was beneath them.

“Computer Networking and Desktop Assembly “Session was arranged for First Year Engineering Students under Induction programme was scheduled on 6/8/18 at Computer Science Department at PES college of Engineering. The motive behind was to create awareness regarding Computer Networking and Desktop peripheral, to students of F.Y. BTech. So that students can understand them practically. Provera’s Jadhav and Mr. Fasih had delivered lecture on Computer Networking and Its Parts along with that Practical session was arranged at 1:15-3:15pm at lab 1.
A session on **Communication Skill** and Teamwork was conducted by Prof. V. R. Mote and Prof. Y. S. Pagar. The students were asked to give their introduction and also present their skills. These were considered as the Round I and Round II for Mr. And Miss Fresher event the students were judged on the basis of confidence, language, body language, eye contact, appearance, clarity and content. The students presented skills like drawing, sketching, art and craft, sports, dancing, singing, reciting, etc. The Finalists for Final round were Shrushti Ambulgekar, Sanket Bandwar, Yash Gaikwad and Qureshi Mahek. Final round was decided to be conducted during Cultural event.

To enhance the motivational intelligence of the students there were certain motivational videos were shown to them like, about Success and Motivational Story of Linus Torvalds and Mark Zuckerberg.

Apart from that, the new comers were shown the essence of Dr. BATU and what are the different criteria for their syllabus. For this the sophomores of our department Sayed Danyal, Khizer Biyabani, Tashfin Ansari, Mahvash Maghrabi and Rohit Bawaskar along with Prof. Neha Khatri held a session regarding the details regarding the credit-based system of Dr.B.A.T.U. (Lonere). The significance of practical based knowledge rather than the theoretical knowledge, as the university focus more on practical engineering, was made familiar.
Even a visit to Panchakki was arranged for First Year Engineering Students under Induction program was scheduled on 10/8/18 by Computer Science Department at PES college of Engineering. The motive behind was to show the historical monument to students and also make them aware regarding the purpose of Panchakki and why it was built etc. As per guidance by B.A.T.University the site seeing is to be scheduled for students of F.Y.Btech under induction programme this visit was conducted. 42 participant including staff had visited Panchakki, Dr. S.N.Kakarwal, Prof M.M Ambeekar, Prof. Karan R. Dabhade, Prof Neha Khatri, Prof. Rahul Jadhav had guided the students for the visit. The Guide Mr. Jawed narrated the history of Panchakki to present students and staff, he also explains motive behind manufacturing of Panchakki and its working mechanism.

To welcome First Year (F.Y.) students an Induction Programme was arranged in CSE department by Prof. Y. S. Pagar. On the last day of Induction Programme cultural events were organized by Prof. V. R. Mote, FORCES Incharge. The Programme started with Buddha Vandana. After the Welcome speech,
Prof. V. A. Losarwar, Head, CSE Department gave brief overview of F.Y. Induction Programme. Further a Marathi song was presented by Final Year Student Kalyani and Yogesh followed by a poem based on parents, recited by Shadaab and Neha from final year. Then Nidhi and Manasi from F. Y. showed their singing talent by singing English song and Mash-up. The freshers were freshening up with skit and so many songs. Along with Mr and Miss Fresher 2k19.
Python Star Certification

Objectives:
- To know the career opportunities in Python programming
- To understand how Python, provide support & services in Open Source technology.
- To understand Value of Python Star Certification Globally.
- How to apply & qualify Python Star Certification.

The Expert Lecture on Python Star Certification was conducted by Department of Computer Science and Engineering on 07/08/2018. It was commenced @ 01:30 Pm in Lecture Hall 20. It commenced with inauguration of Star Academy in PES College of Engineering by Guest Mr Abhijit Roy (APEC Head) Star Certification in presence of Hon Principal Dr. Abhijeet Wadekar and Head of Department Prof V. A. Losarwar. After Inauguration Mr Sourabh Sisodia commenced his seminar on Python Programming in current trends of IT. Followed to him Mr Ashutosh Bhakare also explained the benefits of Python Programming Star Certifications in Industry in Entry Level or for experience persons in industry. He also explained about Star Academy which turns academic institutions into centres for enterprise ready talent by outfitting them with Python Training. This comes in the form of hands-on instruction, curriculum, labs, performance-based testing, and instructor support.
Visit to Orphanage

Objectives:

- To spread smiles on faces of children's living in orphanage.
- To spread kindness among students’ volunteers
- To develop motivational environment among orphans.

On the occasion of Independence Day “Visit to orphanage” was scheduled by “FORCES” of Computer Science & Engineering Department, P. E. S College of Engineering, Aurangabad under the guidance of “FORCES” Incharge Prof. V. R. Mote at Jijamata Balak Ashram, Shivshankar Colony, Osmanpura, Aurangabad. The motive behind was to spread joy among orphans’ kids.

The Activities started with drawing competition among kids, the winners were served with prizes. Then games were organized like passing the ball and medical camp was arranged. These kids showed their talent in field of Dance, singing etc. which made the environment cheerful.

Principal Dr. A. P. Wadekar felicitated the winners of Drawing, Singing and Dancing. Head of CSE Department, Prof. V.A. Losarwar distributed dry fruits and also guided the students for medical checkup. Dr. R.M. Sawant, H. O. D Civil Department observed the drawings made by kids. The staff Mr. A. U. Jadhav, Mr. K. R. Dabhade, Ms. N. S. Syed, Ms. N. R. Khatri, Mr. S. V. Bhosale, Mr. R. H Jadhav, Mr. G. R. Gaud showed their presence. Anchoring was led by Shadab and Devyani Final and Third Year Students of CSE Department and vote of thanks given by Saniya. The 45 student volunteers had actively participated from Second and Third year of CSE Department.
Software Based Project Development

One day workshop on Software base Project Development was organised by Computer Society of India, Student Branch of P. E. S. College of Engineering. The objective of workshop is to guide pre-final and final year students in selecting project, implementing it conforming to standard Software Engineering product development life cycle, covering suitable real-world project as case study.

The TE(CSE) and BE(CSE) students were communicated about workshop well in advance for maximum participation from both classes. The following agenda and content of workshop was informed to students, as it is received from resource person: Mr. Shivaji Kute, Software Architect, Techno Growth Pvt. Ltd., Pune

The workshop started with Buddha Vandana, followed by felicitation of Mr. Shivaji Kute and Nikhil Nirwade with memento and plant.

The first session was conducted by Shivaji Kute with importance of Final year Engineering project. Second session was conducted by Nikhil Nirwade and finally in third session was students were asked to do requirement analysis of Restaurant management. Each session spanned about two hours. At the end Mr. Shivaji Kute expressed willingness for sponsorship to interested student in Final year project development.

Total 25 students participated in workshop. The feedback received from students about workshop was excellent.
Parents Meet 2018

Objectives:

- A parent-teacher conference is a face-to-face meeting between one teacher and one or both parents (or guardians) of a student.
- It is an opportunity to discuss a student's academic progress and social behaviour.
- To improve communication, to promote coordination or to deal with any matters that are put on the agenda and to help get any jobs done.

Details of Program:

Parent meet 2018 was organized by CSE department on 22nd Sept 2018 at 11:00 A.M to 3:00 pm. Venue was department of Computer Science and Engineering. Parent meet was organized for classes S.E. to B.E. (CSE) & parent attended same. For parent meet 2018 near about 400 parents were present. Parents meet 2018 was conducted smoothly and silently. In Parent meet 2018 parents raised some issue about the attendance of student should inform to parents monthly wise report. These issues raised by parents are discussed with HOD (CSE) and resolved. For this Parent meet 2018 HOD (CSE) department Prof. V.A. Losarwar, Parents meet-2018 coordinator was Prof. N. R. Khatri and respective class teachers. Parents share their views about the college and development by making some suggestion.
Seminar on “How to land your dream internship through Internshala”

Objectives:

- To create awareness about training and internship opportunities through Internshala for Engineering Students.
- To make students understand the importance of internship and opportunities available.
- To develop writing skills for answering assessment questions and points to be covered while answering them.

Seminar on “How to land your dream internship through Internshala” was organized by Dept. of Computer Science & Engineering on Date: 21/01/2019.

The seminar started exactly at 4:30 p.m. Dr. S. N. Kakaralli (HEAD, CSE Dept.), Prof. V. A. Losarwar, Prof. M. M. Ambedkar and teaching staff along with students attended this seminar. Speaker for this session was Hemant Shettigar, SY(CSE) ISP (Internshala Student partner) from P.E.S College of Engineering, Aurangabad.

He introduced the importance of internship for engineering students and opportunities through Internshala for training and internship programs. Internshala is the world’s no. 1 Internship and Training Platform. Internshala is an internship and online training platform which was founded in 2010 with an intent to create a culture of meaningful internships in the country. At present, 3.5 million students look for internships on Internshala offers by more than 80,000 employers in 100+ profiles like Engineering, Marketing, Finance, Human Resource, Content Writing & Graphic Designing etc. Internshala is free of cost and all internships on Internshala come with a stipend and a certificate.

Overall the seminar was very successful and beneficial for organizers and participants, which created an interest for internship among students.
Awareness of Intellectual Property Rights

Objectives:

- To create public awareness about the benefits of Intellectual property among all sections of society.
- To stimulate the creation and growth of intellectual property by undertaking relevant measures.
- To have strong and effective laws with regard to IP rights, consistent with international obligations.
- To modernize and strengthen IP administration.
- To catalyze commercialization of IP rights.

Abstract

Seminar on “Awareness on Intellectual Property Rights” has been organized as a part of Research and Development activity by Dept. of Computer Science and Engineering in association with Rajeshri shahu vyakhanmala, Dr. BAMU, A’bad. under the guidance of the Principal, P.E.S.C.O.E. Dr. A. P. Wadekar on Date: 11/02/2019.

The program started exactly at 10.30am. Dean Academics Prof. S. S. Khedgikar, Head of the Dept. Dr. S. N. Kakarwal, Program Co-ordinator Prof. M. M. Ambekar and teaching staff members along with UG and PG students attended the said program.

Resource Person for this program was Dr. D. G. Regulawar, Professor and Dean Academics from Government college of Engineering, Aurangabad.

He introduces importance of IPRs and their protection, identification of IP, advantages of IP, Patenting procedures and time lines, patentable and non-patentable inventions, patent informatics, prior art searches, patentability assessment, trademark and copyright protection, issues of do’s and don’ts for a researcher in the context of publishing and patenting.

Overall the IPR workshop held on 11th February 2019 at P.E.S. College of Engineering campus was very successful and encouraging for organizers and participants, which created a buzz among the researchers.
Expert talk on Research Directions

Objectives:

- To understand what is research and critical issues related to research
- To develop the competencies to design and conduct research
- To develop the ability to critically analyse the research literature
- To apply different research methods
- To develop the ability to write research papers and research proposals

Abstract:

Highlighting the need for encouraging engineering faculties and PG students towards learning different research methods and procedures to design and conduct scientific research and as a part of Research and Development activity, Dept. of Computer Science and Engineering has organized Expert talk on the topic “Research Directions” under the guidance of the Principal, P.E.S.C.O.E . Dr. A. P. Wadekar on Date: 02/02/2019.

The program started exactly at 1.30pm. Head of the Department Prof. V.A. Losarwar, P.G. Co-Ordinator Dr. S. N. Kakarwal, Program Co-Ordinator Prof. M. M. Ambekar and teaching staff members along with PG students attended the said program.

Resource Person for this program was Dr. Y.V. Haribhakata Asso. Prof. College of Engineering, Pune.

She introduces fundamental concepts of research, necessity of doing research, various principles of research. During the session, she explained characteristics of research and different methods.

The emphasis has been given on how to analyse the research problem and how to deal with it. She explained it with various examples.

The speaker highlighted on inventions and innovations in Computer Science. she further narrated how to write research proposals and revenue generation through consultancy.

Prof. K.R. Dabhade, Prof. Bhosale, Prof S. M. Salve helped to make the program a grand success.
One Day academic visit to Computer Forensic Science, Aurangabad

One Day academic visit to Computer Forensic Science, Aurangabad was organized by CSI student Branch on 7th March 2019. The TE(CSE) and BE(CSE) students are studying Network Security, Computer System Security & Laws in their 6th and 8th semester respectively. Objective of visit to Computer Forensic Laboratories was to impart practical knowledge of students about subject.

Total 45 students participated in visit accompanied by Prof. D. T. Rathod, Subject Teacher: Network Security, TE(CSE), Prof. Y. S. Pagar, Subject teacher: Computer System Security & Laws and Prof. V. R. Mote. The visit was co-ordinated by Prof. D. T. Rathod.
Parivartan 2k19

Inaugural Ceremony

The annual gathering “Parivartan 2k19” of P.E.S College of Engineering was inaugurated on 1st of March 2019 at 9:30 am. Venue was Ashoka hall by the principle P.E.S.C.O.E Dr A.P. Wadekar. The chief guest of the hour was Ms Karuna Kharat an alumnus of the college and General Manager at District Industry MCED Aurangabad along with Mr Ameya Joshi. Asst. Manager at purchased dept., Canpack India Pvt. Ltd. Aurangabad.

The inauguration ceremony began with offering tribute to Lord Gautam Buddha and Bodhi Satwa Bharat Ratna Dr. Babasaheb Ambedkar. The event started with Buddha Vandana. The guest was introduced by Khizer Ahmed Biyabani. And was felicitated by the principle of the college.

As we know the single spot of light can outcast darkness, samaya lightning was done by the guest. The brief introduction of Parivartan was given by event Incharge Prof V.A Losarwar. The details of student council of the college were delivered by Prof. S.M. Kulkarni sir. The guest of honour shares their views. Principle Dr A.P. Wadekar officially inaugurated the annual gathering. The event was followed by the prize distribution the host of this event was Hemant Shettigar. The winners of different event such as sports, treasure hunt, quiz, poster presentation etc were given prizes. Vote of thanks was delivered by Neha Singh. The inaugural ceremony concluded with the national anthem.
Sports:

Sports Day was organized by P.E.S.C.O.E. on 23rd February at P.E.S. collage Ground. In this Non-Technical activity, the students were able to play their favourite sports I.E Cricket, Football, Tug of War, Volleyball, Badminton. and were given a chance to prove their sporty Skills as well as their physically capabilities in the game. This event Highlighted their performance and extra-ordinary skills. The final match was held between Electrical 3rd year and Civil 4th year, in which civil 4th year won the match and final match was held on 28th of Feb. between Mechanical 3rd year and mechanical 4th year, in which mechanical 4th year won the match.
Cultural Night:

The Cultural Night was the finale event of Parivartan 2k19 held on 1st March. It was held in the College Ground with finely decorated stage under a starlit sky. The event started around 6’o clock. There were 5 Anchors for the event and the timing of the performances were coordinated by Mr Pandit sir (Mechanical) and Mrs Varsha Jadhav Madam. (CSE).

There were 30 performances that included Songs, Dance and a Skit. Before the event started, The Anchor, Mr Mustakim conducted various activities and games and interacted with the audience which was followed by welcoming the guests and Buddha Vandana. The event started with several songs followed by Dances. The performances were perfectly co-ordinated according to time.

The Skit was about the recent attacks on Pulwama which showcased the events that unfolded during the attack and ended on a note to create awareness and patriotism among the youth. After the skit, the guests and the participants lit up candles and paid tribute to the martyrs. The audience chanted various slogans thereafter and the skit ended on patriotic note and arose warm feelings of nationality and allegiance. Following the skit, there were some more performances of songs and Dance presented by students which were enjoyed by the audience.
At the end of the program, prizes were distributed by Prof. Varsha, Prof. Pandit sir and The Principal, Mr Wadekar sir. The Event on a joyous note and was concluded by National Anthem around 10PM.
Guest Lecture on competitive exam preparation and abroad education.

Objectives: To promote students for higher studies and research, education abroad.

The Guest Lecture was organised by Department of Computer Science and Engineering under the guidance of HOD Prof. Dr. S.N. Kakarwal. Mr. Irshad Darriwilian and Ms. Mayuri gave the information to the students about top foreign universities, their rankings, fees structure, entrance level exams, scholarships they offer, minimum qualifications and age, visa documentation preparation & processing. Total 27 students took benefit of Guest Lecture. The event co-Ordinator Prof. S. D. Pingle and CSE staff members took efforts for the success of the Guest Lecture.
Parents Meet 2019

Objective: The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student’s educational experiences and discuss variety of issues, regarding all round development of students.

Department of CSE, organized parents meet on 07/03/2019 for FY B. Tech student’s parents and on 09/03/2019 for SY B. Tech, TE and BE student’s parents.

On this occasion class teachers of all classes discussed about progress of students along with student attendance record and their class test marks.

Total Count of Students were as follow

And program was successfully completed with guidance our HOD Prof. S.N. Kakarwal and Coordination of all the staff.
Industrial Visit to Techno growth Solution Limited Pune

Objectives:
- To provide students an insight regarding internal working of companies at Techno growth Solutions Pvt Ltd.
- Carrier opportunities in future in Techno growth Solutions Pvt Ltd
- To understand how Techno growth Solutions, provide support & services in to there eminent clients.
- To understand Value of Technologies on which Techno growth Solutions Pvt Ltd is working.

Department of Computer Science & Engineering of P.E.S. College of Engineering organized Industrial visit at Techno growth Solutions Pvt Ltd on 22nd of March 2019 and 23rd of March 2019 for F.Y, S.Y, T. E, & B. E. Students of CSE department. Visit was organized with the prior permission and guidance of Honourable Principal Dr. A.P. Wadekar sir. It was supported by Respected HOD Prof. S. N. Kakarwal and Prof S. D. Pingle along with Department T&P Co-coordinators Prof.V.B. Kamble, Prof G. R. Goud and Teaching staff members. Total 47 students and 7 staff visited the Company. The students got benefited in terms of the technical details provided by the company on an important part of Recruitment Policy of Company. The different seminars were conducted for about 2 hours 20 minutes. It was started at 10.30 am and ended at 12.50 PM. The presentation session was conducted by Shivaji Kute and his team members. Mr. Shivaji Kute explained the importance of some important technologies such as Python, Machine Learning, DeVos and Django Web framework, in addition to these he also briefed how important Open source technologies are in the market and explained some important competing Opensource technologies. The presentation met the objectives of Industrial Visit. At last vote of thanks was given by Prof G. R. Goud
Visit to Imagica

Department of Computer Science & Engineering organized an amusement visit to Adlabs Imagica, Khopoli. A very fun-full and enjoying trip, for the students of F.Y, S.Y, T.E, B.E. This year being the last year for the BE ones. They had a great fun. Apart from that the freshers the FY students also enjoyed a lot. The trip was organised under the prior permission of Principal Dr. A.P. Wadekar and under the guidance of our HOD Dr. S. N. Kakarwal along with the faculties Prof. V. B. Kamble, Prof. G. R. Goud, Prof. S. D. Pingle, Prof. N. R. Khatri and Prof. S. M. Salve, Prof A. S. Gadekar, Prof. S. V. Bhosale.

A very enjoying trip to Imagica.
Seed IT Idol 2019

Objectives:

- To conceive the students with examinations and competitions
- To Examine the Competitive skills of Students
- To Enhance Programming Skills of Students
- It also Enhance the communication skills of student

Seed Infotech Aptitude Test was held on 12\textsuperscript{th} Feb 2019. Ms Ratnakar madam from Seed Infotech had given the details about the test. The test was conducted for SY, TE and final year students. Total 103 students had appeared for the test. The test was based on C and C++ language. The test was good exercise for the students.
Staff Achievements

Dr Varsha D. Jadhav PhD in Computer Engineering.

Ms. Varsha D. Jadhav was awarded the Doctor of Philosophy (PhD) in Computer Engineering from Dr Babasaheb Ambedkar Marathwada University on 9th March 2019.

She presented her Research work entitled, “Intention Mining in Social Networking”. She worked under the guidance of Dr Sachin N. Deshmukh.

She was congratulated by the Principal Dr Abhijeet P. Wadekar, all the faculties and students of P.E.S College of Engineering.

A remarkable work in Network Security by Prof. Y. S. Pagar.

Ms. Y. S. Pagar faculty of Computer Science and Engineering Department received copyright from Government of India in the area of Network Security.

She also received “Research Excellence Award 2018” from Institute of Scholars, Bengaluru for the research work in the area of network security.

P.E.S College and the Department Congratulated her for her great work and achievements.
**Students Achievements**

Our students have also shown a remarkable work with different Red Hat courses.

### PES College of Engineering Aurangabad
**RedHat Academy Placements 2018-2019**

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Student Name</th>
<th>Class</th>
<th>Cert Completed</th>
<th>Placement</th>
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<tr>
<td>1</td>
<td>Sumit Amrute</td>
<td>BE CSE</td>
<td>RHCSA, RHCE</td>
<td>3D PLM Software Solution Pvt Limited Nashik</td>
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<tr>
<td>2</td>
<td>Komal Kotagde</td>
<td>BE CSE</td>
<td>RHCSA, RHCE</td>
<td>Fujitsu Software Solution Pvt Limited Pune</td>
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<td>3</td>
<td>Nandita Dharkar</td>
<td>BE CSE</td>
<td>RHCSA, RHCE</td>
<td>ESDS Software Solution Pvt Limited Nashik</td>
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<td>4</td>
<td>Varad Padalkar</td>
<td>BE CSE</td>
<td>RHCSA, RHCE</td>
<td>EC Mobility Aurangabad</td>
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<tr>
<td>5</td>
<td>Abhishek Kulkarni</td>
<td>BE CSE</td>
<td>RHCSA</td>
<td>Skill Hub Aurangabad</td>
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<tr>
<td>6</td>
<td>Akash Ghorpade</td>
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<td>RHCSA</td>
<td>Sterlite Technologies Aurangabad</td>
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### RedHat Academy Certified student Details 2018-2019

<table>
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<th>Sr. No</th>
<th>Course Name</th>
<th>Number of Students</th>
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<tr>
<td>1</td>
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<tr>
<td>2</td>
<td>RHCE (RedHat Certified System Engineer)</td>
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### RedHat Academy Intern- Ship Enrolment Details 2018-2019

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<th>Course Name</th>
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<tr>
<td>1</td>
<td>RHCSA (RedHat Certified System Administrator)</td>
<td>48</td>
</tr>
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</table>
लेकीच्या मनातील वेदना.

लेकीच्या जातीची किती गं कोंडमारी
माय-बापाने बोलावे का हिं तिच्यावरी...
प्रत्येक शब्द तिने जीवावर सोसावा
सांग बापा तुंहा पांग कसा फेडावा...
महा बापा तु मलं नको रे हिं समझू
एक दिवस घेईं भरारी आकाशेंही होईं ठंगणां...
जन्म तुंहा पोटी घेऊन गुळ्या काय मी केला
का देताय सजा ही बोलण्याच्या माराची...
लाठीचा मार नाही घाव करीत मनावर
बोलण्याचा मार मरनासोबत सरनावर...
सांग माय-बापा जन्म घेऊन कस जगाव तुंहा पोटी
मला पडलेल्या कोंडांचे उत्तर मला कधी ना भेटी...
माय-बापा तुंहा कोंडमारीने जीव घुटमचे
एक दिवस जाईं उडंन मंग साठव डोक्यातील पाण्याचे तके.

- जयश्री साळवे.
TE CSE