Issue Highlights

- ✓ *Vision & Mission*
- ✓ *Objective & Goals*
- ✓ *PEO's & PO's*
- ✓ *Parents Meet*
- ✓ *FDP on Data Science*

Vision & Mission of the Department

Vision of department

To emerge as a department of repute in Computer Engineering which produces competent professionals and entrepreneurs to lead technical and betterment of mankind.

Mission of department

M1: To strengthen the theoretical and practical aspects of the learning process using modern tools and FOSS technologies.

M2: To endeavor innovative interdisciplinary research and entrepreneurship skills to serve the needs of Industry and Society.

M3: To enhance industry academia dialog enabling students to inculcate professional skills within them.

M4: To incorporate social and ethical awareness among the students to make them conscientious professionals.

Program Educational Objectives

- **PEO1:** Learners will be able to analyze problems from a computational viewpoint, propose algorithmic solutions, and implement them correctly and efficiently.
- **PEO2:** Learners will provide solutions to challenging problems by applying Computer Engineering theory and principles, as well as fundamentals of computing science and mathematics with the consideration of cost, safety, environmental, social, and human factors
- **PEO3:** Learners will be able to function as a responsible member of society with the willingness to mentor fellow employees and an understanding of the ethical and economic impact of their work in a global context.
- **PEO4:** To improve their knowledge and skills through lifelong learning and graduate studies for adapting to rapidly changing work environment and succeed in their careers and/or obtain advanced degrees.
- **PEO5:** Learners will be able to imply principles and practices of computer engineering to successfully complete hardware and/or software-related engineering projects to meet customer business objectives and/or productively engage in research.

Publication and Editorial Board

Publication:
Volume IV, Issue I, Nov. 2019

Editors:
- Malali Rudra
- Satpute Rutuja

Faculty Members:
- Prof. Kolekar S.M.
- Prof. More R.P.

Parent Teacher's Meet (PTM)

Organized by

Department of Computer Engineering

Date: 28/9/2019
Time: 10:00am
Venue: Seminar Hall (Comp. Dept.)

Parent Teacher's Meeting was organized and conducted by the Department of Computer Engineering of Zeal College of Engineering and Research on 28[th]Sept. 2019.

The meeting started with the Sarswati Poojan and a welcome speech by Head of the Department Dr. Sunil M. Sangve, briefed the gathering (of 35 parents) about the activities and also explained how the department offers the best possible learning environment for the students. Subsequently student's attendance, academic performance, special upcoming programs have been briefed to the parents along with communication policies.

Prof. Viraj Barge,T&P Officer,Zcoer elaborated on various activities being conducted by the college for the development of students. Also he has guided all parents about new training programs organized by T&P.Prof. Umesh Talware has given Departmental presentation to the parents.

Also Parents has given valuable suggestions and feedback .*Program concluded with vote of thanks proposed by Prof. A.Y.Yenkikar, she expressed gratitude towards Secretary,Shri. Jayesh Katkar,Executive Director Prof.Pradip Khandave and Principal Dr. Ajit M. Kate for their support and guidance.*

Faculty Development Program
On
"Data Science"
Organized by
Zeal College of Engineering and Research
In collaboration with
Faculty Development Centre, Shivaji University
A MHRD Government of India initiative
Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT)
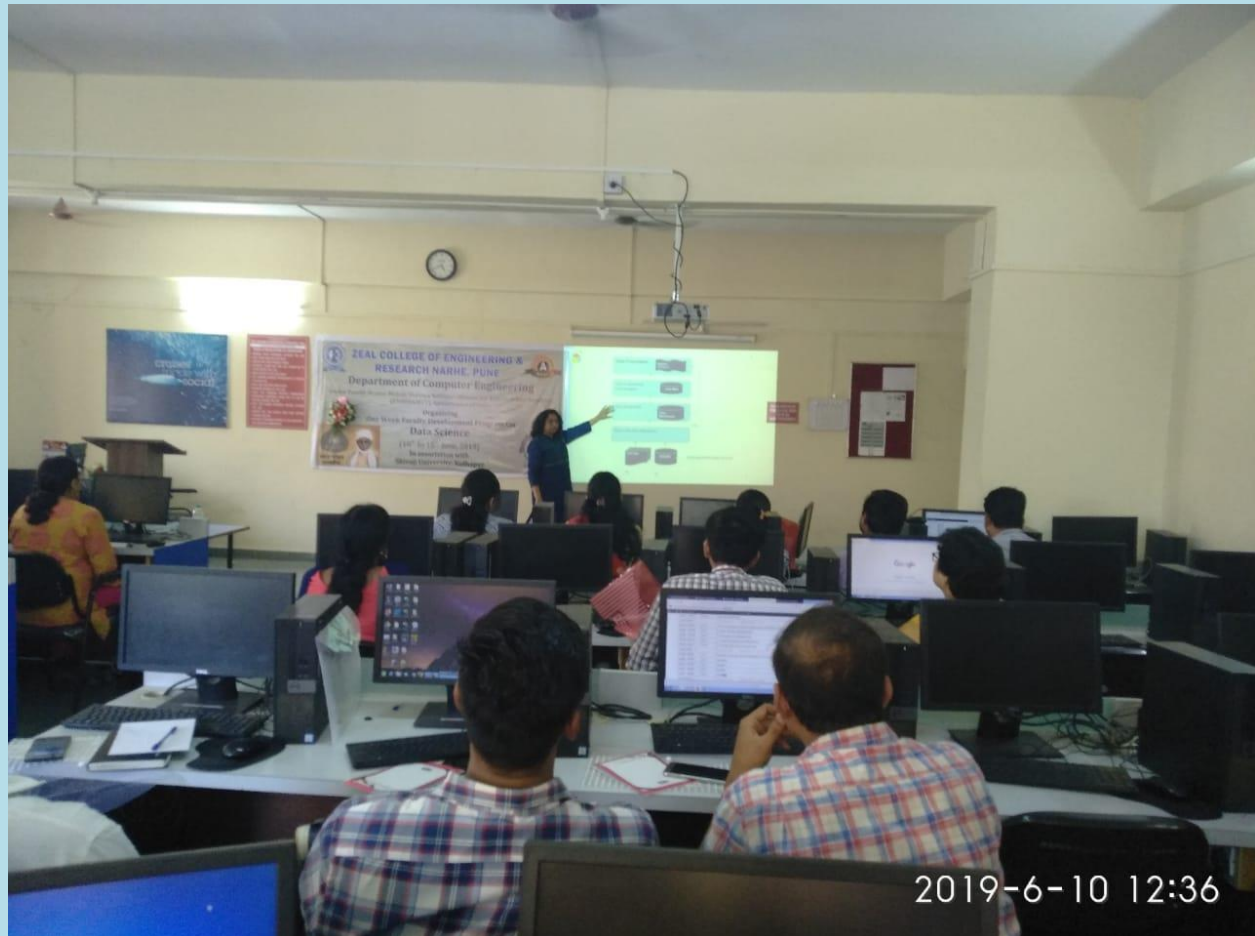### Duration – 10th June to 15th June, 2019

A Faculty Development Program on Data Science has been organized by Faculty Development Centre in Cyber Security and Data Science hosted by Department of Computer Engineering, Zeal College of Engineering & Research, Pune conducted by FDC PMMMNMTT on 10th June to 15th June, 2019. The program commenced with the National Anthem. Sonali Kulkarni, Program Manager, Inteliment Tech , joined Executive Director

Prof. Pradip Khandave, Principal Dr. A. M. Kate and Head of the Department Dr. P.S. Halgaonkar for Saraswati Poojan and Lamp Lightning ceremony. After felicitation of dignitaries Head of the Department welcomed everyone and briefed about FDP. Dr. A. M . Kate, Principal ZCOER, guided participants about importance of attending FDPs for knowledge enhancement. Prof. Pradip Khandave, Executive Director, Zeal Narhe Campus, encouraged participants to get most of the benefits out of this Faculty Development Program. At the end of the Inaugural ceremony FDP Coordinators Prof. P. D. Kshirsagar and Prof. R. P. More expressed their vote of thanks towards the Dignitaries and the participants of the Faculty Development Program.

First session started with Introduction to Business Analytics, Sonali Kulkarni had elaborate the Business analytics with the example of database maintenance in departmental store . She explained and interacted with the participants about what data get generated in the departmental store. For this she involved participants in the

discussion so the session became more interactive and participants got a chance to express their observations. All the details got listed out and then Sonali madam explained the correlation between the data. How these POS data are used for the POS analysis in Data Science.

She moved the focus of the participants from POS analysis to Business analytics. She explained what are the key features and the techniques involved in the Business Analytics. According to her Business Analytics needs the thorough knowledge of Business Intelligence and Business Statistics. For the elaborative explanation of the business analytics she added the overview of Corporate Sales. She continued with the detailed explanation of Business Intelligence . She also mentioned the working details of database, data ware house, report on data, dashboard and transactional and analytical processing.

Project Manager, Inteliment Tech, presented differences between online transactional processing and online analytical processing. Under this section she explained

all the minute details of the differences between the two along with detailed explanation of which processing is better in what case. Sonali Madam, enlightes the business analytics with the study case from Education field so the participants would get the analogy an didea about how the business analytics works. Participant felt a familiar approach by this case studyas most of the participants were belongs to educational field. She elaborate the concept more with the financial analytics.

Second session starts with participant introduction, participants introduced themselves along with their work in data science field. They also have suggested the outcomes they desired from this faculty development program. For the better team efforts and team work Sonali requested participants to join an activity for better understanding of how data analysts think of the data collected. Participants were very much happy to be part of such an thoughtful and knowledge gaining activity. Participant came to knoe thw working routine of the data analysts.

Sonali explained the statistical analysis of the data by presenting the example of current ICC World cup 2019. She correlate the concepts with better understanding of the participants. She focused on data collection methods of the various industries, she took an example of chocolate customer survey. She mentioned the importance of question chart for data collection. She explained the graphs and analysis provide to the industries with quantitative and qualitative approach for data analysis. For the participants understanding she have mentioned and refreshed the concepts of data mining such as correlation, correlation coefficient, regression, regression line, classification.

For the next session Sonali focused on the concept of probability. Probability was explained with the help of random variable, continuous variable , probability distribution concepts. The concepts like Normal Distribution standard normal distribution had also explained by the resource person. The session ends with decision rule and hypothesis concepts.

Further sessions involved the hands on session of Introduction Python programming language. Expert started with the basic concepts of languages and involved each participant with one to one interaction while hands on session. Expert assigned programmatic assignments to participants for the better understanding. At the last session an exam was conducted with a very unique way. The participants faced the exam with all the preparation they have done in the session of the Faculty Development program. After exam the Certificate distribution program was organized. Faculty Development Program Coordinators distributed the Participation certificates and expressed their sincere gratitude towards the participants for participating in the FDP. Participants thanked Coordinators and resource persons for such an knowledgeable treat of recent trends in Data science.

90 participants have participated in this Faculty Development Program from the various educational and industrial institutes. Faculty Development Program coordinators expressed their sincere gratitude towards the Head of the department Dr. P. S. Halgaonkar, Principal Dr. A. M. Kate and Executive Director Prof. Pradip Khandave for their continuous guidance and support to organize this program.

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of Computer Engineering

Malviya National Mission for Teachers and Teaching MNMTT), Government of India

Organizing

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Data Science

0th to 15th ne, 2019)

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ivaji U Kolhapur