



### ■ Software Engineering Workshop



**Prof. S. A. Kelkar welcomed by Prof. N. M. Shahane for workshop on Software Engineering**

IIT Professor S.A.Kelkar conducted two day workshop on “Software Engineering “from 18/12/15 to 19/12/15.Total 80 students of Computer attended the workshop. The event was organized by Prof. S.T.Patil under the CSI student branch of K K Wagh Institute of Engineering and Research Nashik. Students got familiar with the principles of Software Engineering, Design Methods and Models that can be implemented in S/W project development. Prof.P.L.Rakibe,Prof. S.P.Solunke,Prof P.M.Bhujbal also attended the session.

### ■ Expert Talk on IOT



Talk By Dr. R. S. Tiwari on "IOT Technology and Smart devices Programming and Details of IOT Technology course offered by InteliDemics" for SE Computer students was organized by Prof. S. K. Gondhalekar & Prof. C. R. Patil on 30/12/2015 at 11.30 to 1.30 pm.

Contents of the Talk were:

1. What is IOT Technology?
2. Job and Entrepreneurial opportunities
3. Open Source Hardware
4. Arduino Technology etc.

### ■ Expert talk on Python Programming



An Expert talk on Python Programming by Mr. Anubhav Yadav, Software engineer KPIT Technologies, Pune, was organized for SE/TE/B.E. Computer Engineering students by department of computer engineering, on date: 9th January,2016(Saturday) at 2.30pm at Dr. A.Kalam Career Development center K.K.Wagh Institute of engineering education and Research,Nashik.

The expert session motivated students to learn several aspects of efficient python programming for real world application as well as hands on python programming for different applications.

The objectives of expert talk were:

1. To learn and understand fundamentals of Python Programming.

2. To develop real world web applications

Following topics were covered during the talk:

- 1) Working with strings
- 2) List and Dictionaries
- 3) List comprehensions
- 4) Installing packages
- 5) File Input and Output
- 6) Interacting with pdf files
- 7) Interacting with csv files
- 8) Interacting with SQL databases
- 9) Interacting with the Web
- 10) Web applications using python

Session was attended by 16 SE/TE computer engineering students. Prof.K.P.Birla coordinated the session and expressed vote of thanks.

### ■ An Expert Talk on “Fundamentals of Machine Learning”

An Expert talk on “Fundamentals of Machine Learning” by Ms. Surabhi Mutha, Morgan Stanley, Mumbai was organized for SE Computer Engineering students by CSI students branch of KKWIEER, Nasik on 20th Feb. 2016 at 11 am at Computer Engg. Dept. K. K. Wagh Institute of Engineering Education and



Research, Nashik.



During her talk, she gave the brief introduction of machine learning and its applications. Students enjoyed the session. This session was organized by Prof. S. K. Gondhalekar & Prof. C. R. Patil.

### ■ An Expert Talk on the topic "Control Unit Design"

Prof. Dr. Anagha Khedekar delivered an expert talk on the topic "control unit design", which was arranged on 22nd Feb 2016( 12:45 pm to 3:00 pm in JVN) . The said talk was organised by Prof. Dr. S. M. Kamlapur and Ms. S. S, Bhandare. She has focused on topic hardwired and Micro programmed control unit design, Microinstruction and single bus and multiple bus organization. 126 students from SE computer along with two staffs attended the session.

### ■ Training on "How to perform a Group Discussion?"

Mr. Vishal Jategaonkar, had a Talk and given Training on "How to perform a Group Discussion?" to the SE Computer students on 10th & 11th Mar. 2016. The venue for the same was JVN Hall at 02.30 pm on 10th and MCA Hall on 11th at 2.00 pm for SE A and SE B students. During his talk he has given the brief introduction about How to perform an effective Group Discussion with Constructive argument and cleared the doubts of students related to it. Students enjoyed the session thoroughly and demanded for more such type of Interaction. It was organized by Prof. S. K. Gondhalekar & Prof. C. R. Patil and Student Co-Ordinators are Ekansh Jain, Pranati Prasad, Sharvari Bodke and Sakshee Godke.

### ■ An Expert Talk on "The Agile Way"

An Expert Talk on "The Agile Way" was arranged for TE students on 11th March 2016. The Expert talk was delivered by Ms. Dipti Kulkarni Senior Business Systems Analyst at Bank of America in New Jersey.

The session started with the facilitation of Ms Dipti Kulkarni by Dr. S.S Sane. During this session she has given introduction of the Agile Methodology and also discussed about challenges in Agile methodology, SCRUM Model and working of SCRUM model .



A Expert Talk on "The Agile Way" by Ms. Dipti Kulkarni

The session was very interactive and students enacted various key-roles involved in SCRUM methodology. The Session was attended by TE and ME-I students along with the Staff Members of Computer Department and coordinated by Mrs. A.V Tavare.

### ■ Training and Placement Activity: "Interactive session with BE placed students."



Mst Saurabh, Mst Shubham, Ms Sandya Parwani and few other be placed students had interactive session for SE B , Computer Engg. students on 12th March 16 at 11am, in SE B class room . These students are placed in renowned companies like Nvidia , Arrays , Persistence , GS lab , and KPIT shared their valuable placement experience. They have given the information like selection criteria of these companies, various rounds and questions asked to them, do's and don'ts about the placement process, subjects to prepare etc. . All of them were told to focus on the pillars of programming languages and use google for any problem. All SE B students enjoyed this activity. Prof. C R Patil coordinated this activity and Ms. Shreya Roy and Ms. Shalakra Sonar from SE B helped for the coordination.



### ■ Equinox-2016



Mr. Suchit Tiwari, Director Cognifront Pvt. Ltd. during inaugural of Equinox16.

Department of Computer Engineering in association with Debuggers Club and Student Branch of CSI organized National Level Technical Symposium “Equinox 16” on 17th and 18th March 2016. The event was presided by Chief Guest Mr. Suchit Tiwari, Director, Cognifront Pvt. Ltd Nashik.

Prof. Dr. S. S. Sane RVP Reg VI CSI, Prof. Dr. K. N. Nandurkar Principal, Prof. N.M.Shahane and Prof. S. M. Kamalapur during Inauguration.

Prof. S. S. Banait, W.W. Pingle, Prof. A. V. Kolapkar, Prof. D. M. Kanade and Prof. K. F. Alfatmi Coordinated the Technical Symposium. Equinox-16 saw around 1500 participants from various colleges across the state.

The non-technical events were Finder’s Keeper’s (Treasure Hunt Event), Picasso Attic (Photography Event), Flash Point (Poster Making Competition), Mock Interview (Apti. GD and Interview) and Mock Stock (Marketing Event). The technical events were Eureka (Project Competition), Quiz Up (Quiz Competition), Code War’s (C/C++ Programming), Sense Virtually (Augmented Reality Workshop) and Writer’s unboxed (Blog Writing).

### ■ An Expert talk on “Goggle Chrome Book and Technology”



An Expert talk on “Goggle Chrome Book and Technology” by Mr. Shashank Todwal, UMS Tech Labs, Nashik

An Expert talk on “Goggle Chrome Book and Technology” was conducted on 22nd March 2016 by Mr. ShashankTodwal, UMS Tech Labs,Nashik forSE A & B students at 2.30pm am in JVN Hall, Dept. of Computer Engineering. The said talk was organised by Mrs. S. M. Malao. Mrs. ChaitaliPatil and Mrs. PritiVaidya attended the session.

Mr. Todwal discussed different following points:

- 1) Goggle applications for staff and students.
- 2) Android Development tools
- 3) Job opportunities related to android and goggle technology
- 4) Goggle Chrome Book and & degree certifications and its pre-requisites

The session was followed by demonstration of Goggle Chrome Book.

### ■ An Expert talk on “Programming with CUDA”



An Expert talk on “Programming with CUDA” by Mr. G. K. Bhamare.

An Expert talk on “Programming with CUDA” by Mr. G. K. Bhamare, Assistant Professor, Gokhale Education Society's, R. H. Sapat College of Engineering, Nasik, was organized for SE Computer Engineering students on 25th of Mar. 2016 at 2.30pm am in JVN Hall, Dept. of Computer Engineering. The said talk was organised by Mrs. P. P. Vaidya and Mrs. S. M. Malao.

During the talk, speaker gave brief introduction of CUDA, installation of CUDA, difference between general C/C++ programming and parallel programming in C/C++ using CUDA. 76 students from SE computer along with staff attended the session.



### ■ Seminars/Workshop/Training attended by staff:

- Prof. K. P. Birla has attended FDP on BA&I at MITCOE, Pune from 15/12/2015 to 24/12/2015.
- Prof. D. M. Kanade has attended Software design methodology and Testing at Bhivarabai Sawant College college of Engineering and Research Narhe Pune on 11/12/2015 & 12/12/2015.
- Prof. A. V. Taware has attended FDP on Oracle at KPIT, Hinjewadi, Pune from 30/11/2015 to 04/12/2015.
- Prof. K. F. Alfatmi has attended FDP on High Performance Computing and Cloud Computing, MIT Pune from 05/01/2016 to 09/01/2016.
- Prof. S. K. Chumble has attended Android Application Development at SCOE, Pune on 22/01/2016 & 23/01/2016.

### ■ Papers Presented by Staff and Student

- **Title of Paper:** Dimensionality Reduction using Clustering Techniques

**Author:** Snehal D. Borase, Prof. Satish S. Banait

**Organizer :** IJARSMT

**Abstract:** Clustering is often an activity involving discovering homogeneous sets of the particular studied physical objects. Recently, numerous analysts use a considerable desire for establishing clustering algorithms. Clustering plays a significant position in lots of info mining apps including, computational biology, spatial repository apps, data collection, word mining, CRM, healthcare diagnostics, controlled info query, promoting, and also net research. “Big data” is actually speaking about terabytes and also pet bytes involving info. Major info is actually complicated because of its a few essential traits including quantity, speed, range, variability and also complication. Thus massive info is actually difficult to address utilizing typical resources and also strategies. You will find so many issues inside clustering strategies, therefore a few of the issues is actually how you can procedure the results and also massive info is actually clustered inside scaled-down data format, Clustering formula are afflicted by security issue, set involving sole and also numerous degree clustering. A crucial concern inside clustering is actually that individuals do not have sooner know-how relating to info. Likewise number of feedback boundaries including variety of

most adjacent neighbours, variety of clusters inside these types of algorithms creates clustering some sort of complicated activity. The leading aim is to review and also review the present clustering algorithms, effect involving dimensionality lessening and also working with outliers.

**Keywords:** Clustering algorithms, Big data, Nearest neighbours, Outliers.

- **Title of Paper:** Efficient Relevance Feedback for CBIR System

**Author:** Priti Prasad Vaidya

**Organizer :** International Journal of Science & Engineering Development Research (IJSDR) (ISSN : 2455-2631).

**Abstract:** The performance of the CBIR system can be improved by reducing the semantic gap between visual features and human semantics. Relevance Feedback (RF) approach refines the retrieval process as per users feedback. A variety of Relevance Feedback (RF) methods have been widely used to reduce the semantic gap. Related works on CBIR are also investigated and it was observed that existing Relevance Feedback techniques face the challenges of number of iterations and the execution time. To improve the retrieval efficiency of the existing system, the proposed RF approach makes use of binary classifier and a feature selection technique to reduce the dimensionality of the image feature space. In each RF iteration, the positive and negative examples provided by the user will be used to determine a small number of the most important features for the classification. After the feature selection has been performed, a binary classifier will be trained to distinguish between relevant and irrelevant images according to the preferences of the user for the given query. The trained classifier will be used later to provide an updated ranking of the database images represented in the space of the selected features.

**Keywords:** Content based image retrieval (CBIR); Relevance Feedback (RF); Feature selection; Binary classifier.

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