



**Sandip Foundation's
Sandip Institute of Engineering and Management, Nashik
Department of Computer Engineering
Academic Year 2017-18**

Report on Workshop

- 1. Event Title:** Three Days State Level Hands-on Workshop on “Compiler Design & Data Mining” (Computer Lab I)
- 2. Event Date:** 11/09/2017 Monday to 13/09/2017 Wednesday
- 3. Event Conduction Duration:** 5 h (10:00 to 17:00 h) daily
- 4. Event Venue:** Seminar Hall of Computer Department, SIEM.
- 5. Event Resource Person Details:**

Dr. A. B. Pawar
Computer Engineering,
Sanjivani College of Engineering, Kopergaon.

Dr. K. C. Nalavade
Computer Engineering, SIEM, Nashik.

Prof. Sujit. A. Ahirrao
Computer Engineering, SIEM, Nashik.

Prof. Amit G. Patil
Computer Engineering, SIEM, Nashik

- 6. Name of Event Coordinator:** Prof. Amit G. Patil
- 7. Expected Audience:** Faculties from Academic Institutions, UG students & Research Scholar
- 8. Number of Participants:** 86.
- 9. Course Content:**

- Introduction to Compiler & Data Mining
- Phases of Compiler
- Hands on Lexical Analyzer using LEX Tool
- Hands on Parser using YACC Tool
- Hands on ICG using LEX and YACC
- Implementation of AST & Code Optimization

- Hands on KNN & Apriori Approach
- Introduction to Supervised & Unsupervised Learning
- Hands on K - Means Clustering using C++ & weka

10.Event Objectives & Outcomes:

Objectives:

- a. Providing opportunity to faculty and UG students of Engineering Colleges or improving their technical skills and knowledge.
- b. Providing an opportunity for interaction and mutual exchanges of ideas between interested teachers and trainer working in particular areas of specialization.
- c. Providing an opportunity for teachers to familiarize themselves with modern engineering practices including the latest technological advances adopted by industry in view the national needs and relevant technologies.

Outcomes:

Participants get in depth knowledge of compiler construction and its working, data mining and its different algorithms. The workshop is divided into their sessions and lab sessions, in which participant's gets hands on various assignments. How to scan the program, check the syntax, generate the intermediate code, how to optimize it are the various assignments covered under compiler constructions. Various algorithms like Apriori, K-means, KNN covered under data mining.

8. Event photos



Photo 1: Felicitation of guests (Day 1)



Photo 2: Introduction & Felicitation of Dr. A. B. Pawar (Day 3)



Photo 3: Introduction of workshop by Dr. K. C. Nalavade



Photo 4: Theory Session by Prof. S. A. Ahirrao



Photo 5: Lab Session by Prof. S. A. Ahirrao



Photo 6: Lab Session by Prof. A. G. Patil



Photo 7: Certificate distribution by Dr. A. B. Pawar



Photo 8: Certificate distribution by Dr. K. C. Nalavade