



**Sandip Foundation's
Sandip Institute of Engineering and
Management, Nashik Department of
Computer Engineering
Academic Year 2019-20 Sem - I**

Report on Guest Lecture

- 1. Event Title:** Guest Lecture on “Theory Of Computation”
- 2. Event Date:** 10/08/2019 and 11/08/2019 (Saturday and Sunday)
- 3. Event Conduction Duration:** 2 days (Timings: 10 am to 5 pm)
- 4. Event Venue:** T.E. Classroom , Computer Department, SIEM.
- 5. Event Resource Person Details:** **Mr. Sujitkumar A.Ahirrao**
CyberSponse India Pvt Ltd., Pune.
- 6. Name of Event Coordinator:** Prof. Monika S.Deshmukh
- 7. Expected Audience:** Students of Third year Computer Engineering Department.
- 8. Number of Participants:** 60
- 9. Course Content:**
 - Introduction to “Theory Of Computation”
 - Deterministic and Non deterministic Finite Automata
 - Regular Expressions
 - Context Free Grammar
- 10. Event Objectives & Outcomes:**

Objectives:

- To develop problem solving abilities using DFA and NFA
- To construct regular expression for given language and DFA from given regular Expression
- To get knowledge about Arden's Theorem and Pumping lemma
- To get knowledge about CNF and GNF of Context Free Grammar and their Interconversion

Outcomes:

- Students are able to solve the problems based on DFA ,NFA and their Interconversion with analysis
- student are able to solve problems based on Regular Expressions
- students are able to recognize and inter convert CNF and GNF of Context free Grammer

11. Photos



