



Ten days Short Term Course on Algorithms & Automata June 15-24, 2018

10 days of Board
Teaching.
Say no to slides!

The **first** Computer Science and Engineering Department in India, proudly announces the long-awaited short term course on *Algorithms* and *Automata* for beginners, students and teachers. These crucial subjects are the core of Computer Science Engineering and it has always been a fascination to study and get through these disciplines.

This **10 days** exhaustive course covers elementary as well as advance topics forming the root course curriculum of Algorithm Design & Automata Theory. We, at CSED, MNNIT Allahabad, aim to train the participants in understanding the theoretical and practical foundations of these core subjects with the following course contents:

Algorithms: Sorting and Complexity, Divide and Conquer, Order Statistics, Greedy Method, Dynamic Programming, Back Tracking, Branch and Bound, Graphs, String Matching with KMP matcher, NP-Completeness. GATE questions and lab support.

Automata: Regular Expressions, Grammars (Context Free, Context Sensitive, Recursively Enumerable), Finite Automata (Deterministic and Non-deterministic), Mealy-Moore Machines, Push Down Automata (PDA), Linear Bounded Automata, Turing Machines. GATE questions and lab support.

Patron: Prof. Rajeev Tripathi, Director MNNIT Allahabad.

Chairperson: Prof. Neeraj Tyagi, Head CSED, MNNIT Allahabad.

Course Coordinators: Dr. Ranvijay & Dr. Divya Kumar

Registration details:

Registration deadline is **May 31, 2018** and registration fees is **Rs. 2,800/-**. Registration fee is to be paid through bank transfer only, the details are as follows:

Bank A/c Holder: Algorithms and Automata

Bank Name: Vijaya Bank

Account Number: 718400301000307

IFSC: VIJB0007184

Registration instructions:

E-mail your: <name>, <institute name> , <mobile no.> and <transaction id>
to: algomnnit@gmail.com

Correspondence:

Coordinator AA-2018,
CSED, MNNIT Allahabad, Allahabad.

E-mail: algomnnit@gmail.com

For queries contact Mr. Ankur Maurya (Mob: 9017171929).

Organized by:

**Department of Computer Science and Engineering,
Motilal Nehru National Institute of Technology Allahabad, Allahabad.**