

16-bit two pass assembler

The LNMIIT, Jaipur

March 2015

- Developed a **16-bit Instruction Set Architecture** aimed at basic mathematical computation of logical operations.
- Assembler works in two passes. In first pass op-code table is generated whereas in second pass assembly code is converted into corresponding machine code.

SKILL SET

Programming Languages:	C, Java, Javascript , MATLAB, Python
Web Technologies:	HTML5, CSS, d3.JS , JSP, angularJS
Frontend Frameworks	Bootstrap
Platforms:	Linux(Ubuntu), Windows, Android
Database Softwares:	IBM-Db2, MYSQL
Applications:	NetBeans, Xilinx, Eclipse , Visual Studio, Android Studio

IMPORTANT COURSES

C programming	Data Structures	OOP with Java
Database and Management Systems	Algorithms	Software Engineering
Artificial Intelligence	Operating Systems	Theory of Computation
Discrete Mathematical Structures	Operational Research	IT Workshop
Computer Organization and Architecture	Computer Networking	Software Metrics

POSITIONS OF RESPONSIBILITY

- Member of **Student Gymkhana** as **General Body Member** of **Science and Tech. Council 2015 – 2016**.
- Manages the various technical events happening in different clubs.
- Organizer of the technical fest (Plinth'16) of the college.
- Co-ordinated and Managed the Zonal Round of **International Robotics Challenge** organized by Robotics Lab and **Techfest, IIT Bombay**.
- Active Team Member and Event Coordinator in **I-club (Innovation Club) of the college**.

EXTRA CURRICULAR ACTIVITIES

Coding Platforms	<ul style="list-style-type: none"> • Participated in a coding event: Code Sprint India 2014 and cleared first round. • Participated in ACM-ICPC(2014) • Frequent visitors in coding sites like Codechef, Hackerearth
Sports Participations	Participated in Desportivos (Table tennis) : National Level Sports fest of The LNMIIT Jaipur
Cultural Participations.	Participated in Mime completion in national level cultural fest, Vivacity(2015)