About Institute

Guru Nanak Dev Engineering College (GNDEC), Ludhiana, established in 1956, is one of the oldest and a premier Engineering Institute of India. The Institute is set up on 88 acres of sprawling pristine land along Gill Road (Ludhiana-Malerkotla Highway). The foundation stone of the college was laid by Honourable Dr. Rajendra Prasad Ji, President of India on April 8, 1956. GNDEC is now an autonomous college under UGC Act 1956 [2(f) and 12(B)] and also accredited by NAAC with 'A' grade The Institution has six Under-Graduate (UG) programmes, thirteen Post-Graduate (PG) programmes, besides being a QIP centre for Ph.D.

About Department

Computer Science & Engineering Department was established in 1997. Department is currently offering undergraduate and postgraduate programmes with an intake of 300 and 12 respectively. Ph.D. programme is also being offered in the department. The department has various laboratories equipped with state-of-the-art computing facilities to support the research and teaching activities. The research activities in the department involve fields like Latural Language Processing, Image Processing, Big Data, Cloud Computing, Software Engineering, Network Security, etc.

Objective

The objective of cloud administration, system administration, database administration, and web hosting is to ensure the seamless, secure, and efficient operation of an organization's IT infrastructure. This involves managing and optimizing cloud and on-premises resources, maintaining high system and database performance, ensuring data integrity and security, and providing robust web hosting services. Administrators work to automate processes, enforce security and compliance, perform regular backups and recovery, and offer technical support. The ultimate goal is to create a reliable, scalable, and secure environment that supports business continuity and enhances operational efficiency.

Who can apply?

The students of B.Tech. –1st year, 2nd year, 3rd Year, BCA and MCA can apply for this training program. Students from other Engineering / Polytechnic colleges can also join this training .

Four Weeks Summer Training Program

Cloud Administration, System Administration, Database Administration and Web Hosting

(17th June, 2024 – 12th July, 2024)

Dr. Kiran Jyoti
(Head, Department of CSE)

Prof. Satinderpal Singh
(Training Coordinator)

Organized by:

Testing and Consultancy Cell

in collaboration with
Department of Computer Science and Engineering

Guru Nanak Dev Engineering College, Ludhiana, Punjab – 141006

[An Autonomous College u/s 2(f) and 12(B) of UGC Act. 1956]

Cloud Administration, System Administration,

Database Administration and Web Hosting

Duration: 4 Weeks　　　　　　　　　　　　　　**Mode:** Offline

Contents to be covered

Week 1: System Administration

Installation and configuration, User account management, System monitoring and performance tuning, Backup and recovery, Security management, Troubleshooting and problem resolution.

Week 2: Cloud Administration

Setting up cloud infrastructure, Monitoring and managing cloud resources, Security management, Backup and disaster recovery, Automation.

Week 3: Database Administration

Database installation and configuration, Database design, Database security, Backup and recovery, Data migration and integration.

Week 4: Web Hosting

Registering Domain and sub domains, Shared hosting, Virtual private server (VPS) hosting, Dedicated server hosting, Cloud hosting.

- Hands on Practice on daily tasks
- Weekly Assignment – with Practical Problems
- **Project Submission – Within One Weeks after completion of the course.**

Registration Form

Name (in block letters): _____

University Roll Number: _____

College Roll Number: _____

Department: _____

Institution: _____

Mailing Address: _____

_____

Age: _____ Gender (M/F): _____

Mobile No.: _____

Email: _____

Registration Fee: *Rs. 4500/- (Including GST)*

Receipt No. (Cash Payment): _____Date:_____

Signature of Applicant: _____

Note:

The participants should send through e-mail the scanned copy of the filled and duly signed registration form to the training coordinator on or before **14th June, 2024.** The hard copy of the registration form must be submitted on the first day of the program at the registration desk.

Contact Detail:

Prof. Satinderpal Singh (Resource Person)
+91 8289033132 satinder@gndec.ac.in / satinder.goraya91@gmail.com