

**RAMAIAH INSTITUTE OF TECHNOLOGY**  
(Autonomous Institute, Affiliated to VTU)

**Three Days Offline Staff Development  
Programme on**

**SYSTEM ADMINISTRATION BOOT-CAMP:  
MANAGING SERVER AND OPTIMIZING IT  
INFRASTRUCTURE**

**19th February 2025 – 21st February 2025**

**REGISTRATION FORM**

Name:.....

Designation:.....

Dept:.....

Institution:.....

Address:.....

Phone:.....

Mobile No:.....

Email ID:.....

Signature of Applicant

Signature of HOD

**CHIEF PATRONS**

Dr. M.R.Jayaram, Chairman, GEF  
Dr. M.R.Seetharam, Vice-Chairman, GEF  
Sri M.R.Ramaiah, Secretary, GEF  
Sri B.S.Ramaprasad, Chief Executive, GEF  
Sri G. Ramachandra Chief of Finance, GEF

**ADVISORY COMMITTEE**

Dr. N V R Naidu Principal, RIT  
Dr. Pradipkumar Dixit Vice – Principal, RIT  
Dr. Archana Registrar (Academic), RIT  
Sri. Mahadev Kokkari Registrar (Admin), RIT

**CONVENERS**

Dr. R China Appala Naidu, HOD, CSE  
Dr. Anita Kanavalli, HOD, ISE

**ORGANIZING COMMITTEE**

Dr. S. Seema - Prof.-CSE  
Dr. J Geetha - Assoc. Prof.-CSE  
Brunda G - Asst. Prof.-CSE  
Chandrika P - Asst. Prof.-CSE  
Pradeep Kumar D - Asst. Prof.-CSE  
Mamatha A - Asst. Prof.-CSE

**SPEAKERS**

Industry Experts from OpenText and American  
Express

**IMPORTANT DATES**

Last Date for Online Registration: 12th Feb, 2025



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Institute of Technology

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Organized by the Departments  
of

**Computer Science and Engineering &  
Information Science and Engineering**



**RAMAIAH INSTITUTE OF TECHNOLOGY**  
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MSR Nagar, MSRIT Post, Bangalore-54 Phone:  
+918023603123, 23603120, Fax+918023603124

Web: [www.msrit.edu](http://www.msrit.edu)

## ABOUT THE INSTITUTE

Dr. M. S. Ramaiah, a philanthropist, established the Gokula Education Foundation in 1962 with the objective of serving society through education. Under this foundation, M. S. Ramaiah Institute of Technology (MSRIT) was founded in the same year, emerging as a distinguished institution in technical education in India. The institute offers 18 undergraduate (UG) and 13 postgraduate (PG) programs, all of which are approved by AICTE and accredited by the National Board of Accreditation (NBA). MSRIT holds an 'A+' grade accreditation from NAAC and has been autonomous for UG and PG programs since 2007, with autonomy for Ph.D. programs granted in 2021 by UGC and VTU. It actively participates in the Technical Education Quality Improvement Program (TEQIP), a Government of India initiative. The institute is home to 380 highly qualified faculty members, with 70% holding doctoral degrees, and supports over 300 Ph.D. scholars across various research disciplines. Key infrastructure includes state-of-the-art laboratories, dedicated computing facilities for faculty, and active research departments with funded projects. To further research excellence, MSRIT has established several Centres of Excellence, focusing on Imaging Technologies, Advanced Materials, Antennas & Radio Frequency Systems (CARFS), Cyber-Physical Systems, Schneider Excellence, and Bio & Energy Materials Innovation. The institute has also gained national recognition, ranking 182nd in the Scimago Institutions Rankings (2024). As per the National Institutional Ranking Framework (NIRF) 2024, MSRIT ranks 75th among 1,463 engineering institutions and 21st for its School of Architecture in India, reaffirming its excellence in technical education.

## ABOUT THE SDP

This Staff Development Program (SDP) is designed to equip participants with essential system administration skills, focusing on managing servers, optimizing IT infrastructure, and enhancing security. This program is specifically designed for lab instructors in academic institutions to streamline lab work, ensuring smooth operations and efficient management of IT resources.

The program includes interactive sessions, hands-on demonstrations, and case studies showcasing best practices in system administration to enhance teaching and learning outcomes. Through practical applications, participants will gain expertise in Linux and Windows administration, networking, virtualization, and software management.

The main objectives of this SDP are as follows:

- To understand managing user accounts, system configurations, and security settings in Linux and Windows environments.
- To provide hands-on training in configuring intranet-based file storage, implementing security measures, and managing network access.
- To discuss troubleshooting skills for resolving common lab-related issues, including user login failures and access control errors.
- To discuss advanced server configuration techniques, including web server setup, database management, and virtualization.
- To enhance knowledge in JupyterHub user management, GPU integration, and efficient software installation methods using package managers and containerization tools.

## TOPICS

- User Management in Linux & Windows
- Intranet-Based File Storage & Security Configuration
- Lab Setup & Troubleshooting Common Issues
- Networking Basics (IP Addressing, DNS, DHCP)
- Web & Database Server Setup (Apache, MySQL, PostgreSQL)
- Virtualization with VirtualBox/VMware
- Docker & Containerization for IT Optimization
- JupyterHub Multi-User Configuration & GPU Integration
- Efficient Software Installation & Management.

## INTENDED AUDIENCE

This program is ideal for lab instructors, technical staff, IT administrators, faculty members managing IT infrastructure and researchers in technical fields.

## ADDRESS FOR COMMUNICATION

**Dr. J Geetha**

**geetha@msrit.edu**

**Ph: 9916912573**

**Ramaiah Institute of Technology  
Department of Computer Science and  
Engineering MSR Nagar, MSRIT post  
Bangalore-560054.**