



**Inviting applications for Research Associate (RAs) and Senior Project Fellowship (SPFs)**

The Information Technology Division, Indian Council of Forestry Research and Education (ICFRE) invites applications for Research Associate (RAs) and Senior Project Fellowship (SPFs) for the management and running of Data Centre Services (Server Farm) at ICFRE Head Quarter on temporary basis only.

**1. Research Associate (RA): 4 (Four) Posts**

**Eligibility Criterion:**

Research Associate shall be engaged in one of the specific area of expertise in the Data Centre:

- a) Management of LAN/WAN Networks and Routers.
- b) Management of Unified Thread Management FortiGate.
- c) Management of Domino Mail Solution.
- d) Management of Oracle database.

Candidate should have valid certification with authorization number in one of the expertise mentioned above as per IT industry standard.

**Essential Educational Qualification:**

M. Tech / ME (Computer Science / Computer Engineering / B. Tech / BE (Computer Science / Computer Engineering / IT) / MCA / Polytechnic Diploma Holder / Graduate

**Essential Experience for Respective Qualification:**

- M. Tech / ME (Computer Science / Computer Engineering / B. Tech / BE (Computer Science / Computer Engineering / IT) / MCA should have 5 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers / UTM / Domino Mail Solutions/ Oracle database preferably in Data Centre Environment.
- Graduate should have 7 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers / UTM / Domino Mail Solutions/ Oracle database preferably in Data Centre Environment.
- Polytechnic Diploma Holder should have 8 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers / UTM / Domino Mail Solutions/ Oracle database preferably in Data Centre Environment.

**Age:**

The upper age limit for RA shall be 40 years on the 1st day of June of the year in which the application is made. The upper age limit is relaxable upto 5 years in case of candidates belonging to scheduled castes / scheduled tribes, women, physically handicapped and OBC.

**Emoluments for Research Associate (RA) would be ₹ 47,000/- + applicable HRA per month.**

The responsibilities of RA will be as follows:

Sr. No.	Position	Responsibilities
1	RA in the area of LAN/WAN Networks and Routers. (System Administrator)	<ul style="list-style-type: none"> <li>• To ensure that all servers hardware, network, software and procedures aligned with organizational standards and strategic business plan and FMS.</li> <li>• To support technical group during data centre infrastructure upgradation and service migration.</li> <li>• To monitor all datacenter infrastructure to ensure availability of services for 24x7 and resolved all technical issues.</li> <li>• To manage network asset, including maintenance of network component inventory, life cycle management and related documentation.</li> <li>• To evaluate SLA with stakeholders at the end of every quarter and workout on enhancing the data centre utilization and efficiency.</li> <li>• To perform Liaison with building facilities and various IT management teams relative to Data Centre operations and project activity.</li> <li>• To prepare and conduct Business Continuity Plan and Preventive Maintenance Plan activities according to schedule.</li> <li>• Responsible for implementing and following in house IT Asset disposal policy to ensure unauthorised exposure to Information.</li> </ul>
2	RA in the area of Oracle Database	<ul style="list-style-type: none"> <li>• To work as a part of team and providing 24x7 supports on a Production database and system support environment.</li> <li>• To manage databases under various environments.</li> <li>• Installation of Oracle 10g,11g on Linux and Windows platform</li> <li>• To manage the database's storage structures like control files, redo log files, archive log files, table space, and data files.</li> <li>• Generating and Analysis of AWR Reports and Session Trace</li> <li>• Managing schema objects, such as tables, indexes, and views.</li> <li>• Managing users with Quota Maintenance and security by creating roles and profiles.</li> <li>• Monitoring the database growth, re-organization of Tables.</li> <li>• Performed logical backups, Schema Refresh using Export &amp; Import utilities.</li> <li>• Performing Backup and Recovery Using RMAN backups.</li> <li>• Cloning Database using Hot backup ,Cold Backup and Rman Backups for Testing Environment.</li> <li>• Checking the Data files consistency using DBVerify Utility.</li> <li>• Implement the security mechanism to secure the backup</li> </ul>



devices such tapes etc.

- Plan growth and changes for backup size, backup devices such as tapes, storage media etc.
- Review & monitor the backup status and backup resources (tapes) to ensure continuous backup operation
- Installation, configuration, upgrading the backup software (Microfocus Data Protector)
- Implement the backup and restoration of backup policies according to the requirement.
- Managing frontend of applications IFRIS SERVICE (implement at client side, Pims, Enterprise, Finance Accounting System)
- Resolving day to day issues generated in ERP.
- Generates queries/ scripts for various reports via Pay Slip, Payment Receipt, Vouchers, and Leave Reports.

3 RA in the area of Domino Mail Solutions

- To install and Configure of Linux Server like: RAID, LVM, User permissions, File Systems.
- To implement and maintenance of DNS, DHCP, FTP, SAMBA, Apache, NTP.
- To implement Redhat RHV Virtualization 4.2
- To create Virtual Hosts and Assign the SAN Space
- Open SSH, Send mail (SMTP), NFS, Yum Server, SQUID servers.
- IBM/HCL Domino Mail Server Installation, Configuration and Troubleshooting
- Installation of HCL Verse, HCL/IBM Notes Client and configuration and troubleshooting
- Quota implementation, assigning groups and OU
- To applying Application and Database patches.
- Perform Export and Imports Database Cloning Performance Tuning
- Proficiency with Backup and Recovery strategies.
- Profound knowledge of Unix, Linux and Windows
- Assisted in the on-call rotation to enable the efficient storage of back up data.
- To manage the configuration of the servers and maintained the hardware.

4 RA in the area of UTM

- Management of security and SAN devices viz: Firewall UTM solutions: Fortigate 200,240-D,Sophos xg 330 and Fortigate 600-D Rules and security profile as per forward traffic Reporting and Monitoring:- Forti-Analyzer 100-c and fortigate 400-E Intrusion detection, Threat, Botnet, Suspicious, Email transaction Anti-malware Solution:- Kaspersky enterprise edition, Symantec endpoint protection Manager 10.1,10.2, 14.2 and 14.2 MP1 RU1 Routing and Switching: Brocade 6600,7250, Cisco 3560 and Hp 5510 HSRP, VLAN IP Management tool:- IPAM Gestioip (Opensouce) Monitoring Tool:- Nagios and

  
 Asstt. Director General (Admin.)  
 Indian Council of Forestry  
 Research & Education  
 P.O. New Forest, Dehradun

Zabbix.

- To operate and manage webcasting

## 2. Senior Project Fellowship (SPF) : 2 (Two) Posts

### Essential Educational Qualification:

M. Tech / ME (Computer Science / Computer Engineering / B. Tech / BE (Computer Science / Computer Engineering / IT) / MCA / Polytechnic Diploma Holder / Graduate

### Essential Experience for respective qualification:

- M. Tech / ME (Computer Science / Computer Engineering / B. Tech / BE (Computer Science / Computer Engineering / IT) / MCA should have 3 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers preferably in Data Centre Environment.
- Graduate should have 5 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers preferably in Data Centre Environment.
- Polytechnic Diploma Holder should have 7 years of experience in Linux Server Environment with experience in management of LAN/WAN Networks and Routers preferably in Data Centre Environment.

### Age:

The upper age limit for SPF shall be 35 years on the 1st day of June of the year in which the application is made. The upper age limit is relaxable upto 5 years in case of candidates belonging to scheduled castes / scheduled tribes, women, physically handicapped and OBC.

The responsibilities of SPF will be as follows:

Sr. No.	Position	Responsibilities
1	Senior Project Fellowship (SPF)	<ul style="list-style-type: none"><li>▪ To configure Zabbix monitor Server, adding all linux/Window, network devices and Non-IT devices for monitoring.</li><li>▪ Physical inspection of Blade chassis, Server Racks, SAN Storage, Tape Library, Network Devices and Non IT Devices.</li><li>▪ Providing L1/L2 Support with production environment on physical and virtual servers.</li><li>▪ To deploying new websites on live environment with httpd application on Linux Platform.</li></ul>
2	Senior Project Fellowship (SPF)	<ul style="list-style-type: none"><li>• Providing L2 support to users and escalation as per issues.</li><li>• Troubleshooting and Maintaining Local Area Network</li><li>• Monitoring Data Centre devices and services.</li><li>• Managing and creating tickets in Helpdesk application of</li></ul>



- 109
- Data Centre regarding issues, requests and incidents etc.
- Monitoring Data Centre non-IT devices.
  - To operate and manage Video Conferencing.
  - OS installation, driver installing and other Software installing.
  - Monitoring of all sites and coordination with service provider
  - Technical support helpdesk admin. Manage and maintain all complains and coordination with vendor.
  - Monitoring and Call lodging of NKN services

**Emoluments for Senior Project Fellowship (SPF) would be ₹ 18,000/- + applicable HRA per month.**

**Tenure:**

The tenure of the engagement of RA and SPF will be initially six months. It may be extended or curtailed as per the requirement.

**Selection Criteria:** Candidates will be selected for the interview by short listing the resumes on the basis of qualifications and experience. Selection shall be made on the basis of their qualification, experience and performance in the interview.

**Interested and Eligible candidates may send their resumes comprising of Name, Date of Birth, Email-id, Mobile Number, Post Applied for, qualification, Experience to ADG (Admin), ICFRE, PO-New Forest, Dehradun -248006 on or before 31.12.2020 through email at [adg\\_admin@icfre.org](mailto:adg_admin@icfre.org). Resumes received after 31.12.2020 05:30 PM will not be accepted.**

**Note: Candidates are requested to submit the supporting certificates for Qualifying qualification, and Experience through email only at the time of submission of application. Further the subject of the email should be "Applications for Research Associate (RAs) / Senior Project Fellowship (SPFs)"**

**Terms and Conditions:** The tenure for the engagement of RA and SRF will be initially six months but may be extended or curtailed as per the requirement.

In case of any dispute, decision of the Assistant Director General (Admin.), ICFRE shall be final.

**Assistant Director General (Admin.)**