

Internship under Building e-Learning Infrastructure in South Asian Countries under TEIN [BeLISAC] project

Backdrop:

Bangladesh Research and Education Network (BdREN) Trust is the National Research and Education Network (NREN) of Bangladesh. It provides high-speed optical fiber network connectivity to all the Public Universities and a few of the Private Universities spanning across different parts of the country using its own state-of-the-art DWDM Transmission Network. Some of the prominent services that are being provided by BdREN are: High-quality Internet Connectivity, Global Research Network Connectivity, Video Collaboration, IP Telephony, Hosting, Virtualization and Computing, Training, Consultancy and others.

BeLISAC project has been assigned under Asi@Connect project and will be financed by participating six (6) NRENs, Asi@Connect and NORDUnet. Asi@Connect is a project which is jointly financed by 28 NRENs in 24 countries and European Union. NORDUnet is a conglomerate of Nordic NRENs. Six (6) beneficiary countries namely Bangladesh, Sri Lanka, Nepal, Bhutan, Laos and Cambodia are there under the ambit of BeLISAC project.

BeLISAC project encompasses procurement of computing resources which will be placed at 4(four) Data Centers in Sri Lanka, Bangladesh, Nepal and Bhutan. In addition to these 4(four) countries, CamREN (Cambodia Research and Education Network) and LERNET (Laos Education and Research Network) have been included who will be provided Zoom Controller and Zoom MMR facilities from the installed hardware in these 4(four) countries. NORDUnet has provided around 30,000 Zoom licenses for six (6) countries to be used for conducting classes and arranging meetings under this project.

Moreover, under the capacity development plan and under the sponsorship of NORDUnet **two (2) female interns** have been planned to be recruited in each of the six (6) countries who will be trained up, both theoretical and hands on, with the installation and configuration of Servers, Virtualization software, Zoom Controller and Multi-Media Routers. Also, they will be trained on how to configure the end-devices including but not limited to, webRTC and Zoom Room on various platform, Video-conferencing Room

design and configuration and other tools and facilities. They will be guided by one (1) female engineer in respective country who has also been recruited under the project. Here are the details of their assignments:

Period:

Oct 01, 2022 – Mar 31, 2023 [6 months]

Modality of Training:

- Both theoretical and Hands-On

Location of Training:

- Bangladesh Research and Education Network (BdREN), UGC Building, Agargaon Administrative Area, Dhaka-1207.

Outcome:

At the end of this training, the participants will be able to:

- Install and Deploy Server System.
- Install and configure Virtualization Software (Proxmox).
- Install and configure Zoom Controller and Multi-Media Routers.
- Install and configure storage system.
- Install and configure a Dashboard reflecting the Zoom Usage under the BeLISAC project
- Develop concept about the TCP/IP network and configure Switches and Routers.
- Network Operation, Management and Monitoring.

Qualification Criteria:

- 4th Year Final Semester (outgoing) student or recently (1 year maximum from taking the final exam) graduated in EEE or CSE or Software Engineering.
- Only Female candidates can apply.

Selection Criterion:

- The trainees need to register themselves online. Qualified candidates will be shortlisted. Competitive exams will be taken to select the final interns.

Perks and Benefits:

- The successful candidates will get a digital certificate to be verified online through printed QR code at the end of the internship program.
- Each candidate will receive a monthly allowance of 80 Euros per month.

Interested Interns are hereby requested to click on the following “Register” button to apply for getting enrolled in the internship program by **21 September 2022**.