**E-SpacE: High-tech Learning Centre**

**Introduction**

The existing computer centre of the Library and Information Centre, known as Internet Browsing Centre was established in the year 2007 and was functioning in the 3rd floor of the building with 30 computers with wired Internet connection. It is now temporarily shifted to the in-house publication section in the second floor as the 3rd floor is allotted for the Product Development Cell. We propose to set up a new computer centre for the Institute under the Library and Information Centre by name **E-SpacE**, with modern computing facilities.

**Need and Justification**

The Institute does not have a centralized computing facility other than the existing Internet Browsing Centre in the Library & Information Centre. Being the premier educational and research organization in the field of Communication Disorders, the Institute must have centralized advanced Computing facility with state of the art technologies that supports its education and research. It should cater to the routine computer and Internet requirements of the academic community and also should function as a training centre for IT applications pertaining to the field of communication disorders.

Most of the computers available with the existing set up are outdated, slow in working and required frequent maintenance. Also, the users are provided with only minimum hardware and software support facilities. On the other hand, there are a number of general as well as specialized software applications that support education and research available in the market.

The systems which are in working conditions at present will be re-deployed in different sections of the Library and the Product Development Cell.

**Benefits**

1. The proposed system will have a direct impact on current teaching and research within the Institute.
2. It will improve teaching and learning in Information and Communication Technology across all subjects.
3. The facility will enable the faculty, staff and students to use confidently and effectively the full range of technologies on offer

**Location**

The proposed facility will be functioning in the present bound volume section in the ground floor of the library building. The location is chosen based on the assumption that the facility will have more number of users than any other sections in the Library and Information Centre. Hence, placing the facility in the ground floor will make it easily accessible for the users and managing the users by the staff. Also, in future the timings of the facility can be extended beyond the present 12 hours without making it inconvenient to other sections of the Library.

**2. Project Description**

**2.1 Equipment Details**

**Computers**

We propose to replace the existing computers with 40 all-in One computer systems with the following specifications.

Hardware

1. Processor: Intel® Celeron® N3050 with Intel® HD Graphics (1.6 GHz, 2 MB cache, 2 cores)
2. Memory: 2 GB DDR3L (1 x 2 GB
3. Hard disk: 500 GB 5400 rpm SATA
4. Graphics: Intel HD Graphics
5. DVD: Ultra Slim-tray SuperMulti DVD burner
6. Display: 19.45" diagonal WLED-backlit (1600 x 900)
7. Connectivity: 802.11b/g/n (1x1) and Bluetooth® 4.0 combo
8. Network Interface: Integrated Ethernet 10/100 BASE-T

Software

1. Operating System: Windows 10

Each system must have a licensed version of the Windows Operating System. i.e. Windows 10. The licensed version will ensure avoidance of hanging of the system, and provide enough security with free updates.

No. of Licences: For all the systems in the lab (40 nos.)

1. MS Office 2016

All the software products available with the MS Office Suit have educational applications. It is important to have the licensed versions to avoid error while using the software. Students will be able to take advantage of the Microsoft tools to write reports, create tables, spreadsheets, and calendars, and prepare PowerPoint presentations.

No. of Licences: For all the systems in the lab (40 nos.)

1. Adobe Acrobat Professional 11 Version (Available)

The software will be useful for editing the pdf files and designing tools kile online questionnaires.

1. Aurora 3D Presentation Software

The software is useful for making appealing 3D presentations for the faculty and students

No. of Licences: 5 Nos

1. Abby Fine Reader (Available)

The software is useful in converting the image PDF to searchable PDFs

1. SPSS ( A few licences of the software available with the Department of Electronics may be installed in the lab)
2. MATLAB ( A few licences of the software available with the Department of Electronics may be installed in the lab)
3. Synchron-Eyes classroom management software

This software allows the instructor a view of every workstation in the lab

1. Flip E-book Professional (Available)

This software will help in making the flipping e-book materials for the students

**Flooring**

Germ Free Porcelain Vitrified Floor tiles with Glossy finishing

**Furniture and Fixtures**

Wooden Tables and Chairs

**Proposed Budget**

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| **Sl.No.** | **Item** | **Approximate Amount (Rs.)** |
| 1 | Computer & Accessories | 10,000,00 |
| 2 | Furniture & Fixtures | 2,50,000 |
| 3 | Electrical wiring and equipment | 2,00,000 |
| 4 | Other Equipment | 1,00,000 |
| 5 | Flooring | 3,00,000 |
| 6 | Interior Furnishing | 2,00,000 |
| 7 | Air Conditioning | 3,00,000 |
| **Total** | **23,50,000** |