

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

#### 4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

SHC campus has ten blocks which include the Main building, the Silver Jubilee block, Golden Jubilee block, Diamond Jubilee block, Bi-Centenary building, Communicative English block, APRC, Skill Centre, **Bosco Institute of Social Work (BISW)** and the Central Library.

At Sacred Heart College there are 104 classrooms with ICT enabled facilities for effective learning and dissemination of knowledge. This enables students to have vivid learning and acquire optimum usage. There are 23 laboratories with high-end equipment's for students learning and research. There are state-of-the-art facilities in the campus which also consists of 22 department faculty rooms with individual cabins to facilitate student interaction and enable faculty members to pursue their research work.

In order to provide a learning atmosphere for exchange of ideas, the college has 20 seminar halls with well-equipped infrastructure.

The campus houses a library with 89295 books. It has a separate area (Cybrary) allotted with 30 computers for research scholars to carry out their research. The college management ensures availability of adequate physical infrastructure.

Every department has well-equipped laboratories and classrooms. Classrooms and laboratory utilization is planned by the departments taking into consideration the number of contact hours of each programme.

Resources are shared across departments whenever needed. Every department uses computer laboratories for on-line examinations, aptitude tests, project development and competitions by students of all departments. The common facilities like seminars/conference halls and auditoriums are available on prior online booking. These can be used for conducting guest lectures, trainings, conferences and workshops.

The campus also has a separate browsing centre available for students during the working hours of the college and students are given cards to access the internet. The college has incorporated the LMS, MOODLE. The faculty members were oriented to the application and methods of dissemination of learning via the MOODLE platform. This novel application enables course teachers to prepare and post their electronic resources online and thus providing student's unlimited access in gaining optimum in sights on daily

lectures. For some courses, online tests, assignments, submission of reports and seminar evaluation are conducted via the MOODLE platform.

### File Description

- Upload any additional information
- Paste link for additional information

#### **4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)**

#### **Response:**

SHC is situated 27 kms from Yelagiri and presents a scenic view which can be seen from the college ground. The college has a vast area of 25.1 acres of land with versatile buildings and splendid landscape providing a rich campus atmosphere. The college buildings, furniture and equipment are put to optimum use and are available for teaching-learning process, evaluation, co-curricular, extra-curricular, research and extension activities.





**John Med Block (Seminar Hall)**

SHC campus has ten blocks which include the Main building, Silver Jubilee block, Golden Jubilee block, Diamond Jubilee block, , Bi-Centenary building, Communicative English block, APRC, Skill Centre, **Bosco Institute of Social Work (BISW)** and the Central Library.

There are 100 classrooms with ICT enabled facilities for effective learning and dissemination of knowledge at SHC. This enables students to have vivid learning and acquire optimum usage. There are 23 laboratories with high-end equipment's for students learning and research. There are state-of-the-art facilities in the campus which also consist of 22 department faculty rooms with individual cabins to facilitate student interaction and enable faculty members to pursue their research work.

In order to provide an atmosphere for exchange of ideas, the college has 20 seminar halls with well-equipped infrastructure. Additionally, there are also offices allotted for administration and management in every building of the college.

The campus houses a library with 82,057 books. It has a separate area (Cybrary) allotted with computers for research scholars to carry out their research. The college management ensures availability of adequate physical infrastructure. As and when an additional course is introduced or a curriculum need arises the management ensures the required physical infrastructure.

Every department has well-equipped laboratories and classrooms. Classrooms and laboratory utilization is planned by the departments taking into consideration the number of contact hours of each programme. On Saturdays laboratories and classrooms are available for additional lectures, tutorials and laboratory sessions.



**DMT Hall**



**DMT Hall**

Resources are shared across departments whenever needed. Every department uses computer laboratories to conduct on-line examinations, aptitude tests, project development and competitions. The common facilities like seminar/conference halls and auditoriums are available on prior online booking. These can be used for conducting guest lectures, trainings, conferences and workshops.

The campus also has a separate browsing centre available for students during the working hours of the college and students are given passes to access the internet. The college has incorporated the LMS and MOODLE. The faculty members were oriented to the application and methods of dissemination of learning via the MOODLE platform. This novel application enables course teachers to prepare and post their electronic resources online and thus provide the students unlimited access in gaining optimum insights on daily lectures.

For some courses, online tests, assignments, submission of reports and seminar evaluation are conducted via the MOODLE platform. For the admission of students to the PG programme, entrance examinations are conducted using the same.

### **Carreno Hall**



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**Mother Teresa Hall**



**Mother Teresa Hall**



**Pope Francis Hall**



**Pope Francis Hall**



**Don Bosco Indoor Stadium**



**Don Bosco Indoor Stadium**



**Seminar Hall (MSW Block)**



**Seminar Hall (MSW Block)**



**Playground**



## Playground



Football field



**Football field**





**Hockey Field**



**Floodlit Volleyball Court**



**Floodlit Basketball Court**









g Jump



## Javelin Throw



## Best Physique Competition

### File Description

- Geotagged pictures
- Upload any additional information
- Paste link for additional information

### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

Room number or Name of classrooms/Seminar Hall with LCD / wifi/LAN facilities with room	Type of ICT facility	Link to geo tagged photos and master time table
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numbers		

**File Description**

- Upload any additional information
- Number of classrooms and seminar halls with ICT enabled facilities (Data Template)

**4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)**

Budget allocated for infrastructure augmentation	Expenditure for infrastructure augmentation	Total expenditure excluding Salary	Expenditure on maintenance of academic facilities (excluding salary for human resources)	Expenditure on maintenance of physical facilities (excluding salary for human resources)

**File Description**

- Upload audited utilization statements
- Details of Expenditure, excluding salary, during the years
- Any additional information

**4.2 - Library as a Learning Resource**

**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

**Response:**

**Electronic Bosco Library Information System (eBLIS)** is for managing the enormous sources of the library effectively. eBLIS suite is a client-server application, which contains modules like the User Login, Admin, Librarian Desk, Document Catalogue, Barcode Circulation, **Online Public Access Catalogue (OPAC)** and Web modules for library maintenance. The user login module enables the registration of library users and records the amount of the time spent in the library. Using this module a monthly report can be generated on the usage of various users

making use of the library.

eBLIS provides the Admin the right of control on all users. The Librarian Desk module records the working days of the library and other important features which include the due notification of user for the scheduled date on return of books. The Document Catalogue module registers the new entries of books, journals, published articles and non-book materials like CDs and DVDs. Bibliographical details of all the books and journals can be viewed through this document catalogue module. The Barcode Circulation module automatically records the issue and return of books by the students. Books are made available for borrowing after screening the same via barcode reader.

The library also facilitates an OPAC. This is a personalized web page which enables a user to view the details of all the books, journals, articles CDs and DVDs. The software also enables its user to check the current status of the resource like reference, circulation and due date. Using this module a user can reserve a book which he/she would like to use and can also offer valuable feedback about the functioning of the library. eBLIS also facilitates students to state, classify, denote and suggest books that could be viable for purchase.

Some of the denoted components of the web module include:

<b>Module</b>	<b>Functions</b>
Circulation	<ul style="list-style-type: none"><li>▪ To charge, discharge and reserve resources;</li><li>▪ To extend lending period through renewals;</li><li>▪ To recall resources in circulation;</li><li>▪ To block members in single or in bulk from accessing the resources;</li></ul>
Serial Control	<ul style="list-style-type: none"><li>▪ To track the ordering and receipt of journals;</li><li>▪ To handle new subscriptions and renewals for journals;</li><li>▪ To check in journals and claim for missing issues;</li><li>▪ To Maintain articles from journals;</li><li>▪ Accessible only to the librarian and the library staff.</li></ul>
Document Catalogue	<ul style="list-style-type: none"><li>▪ To Maintain Bibliographic information on books, CDs, cassettes and other material types;</li><li>▪ Customizable classification schemes;</li><li>▪ To classify books and feed articles;</li><li>▪ To view statistical information on your library collections;</li></ul>

Acquisition	<ul style="list-style-type: none"> <li>▪ To handle ordering of books, CDs, Cassettes and other materials; Maintain gifts and direct purchase details;</li> <li>▪ To track orders and place claims to your vendors;</li> </ul>
Defaults	<ul style="list-style-type: none"> <li>▪ Helps to manage collection of predefined details, such as authors, sponsors, vendors, country and state;</li> <li>▪ These collections are for referencing from other modules, without having to enter them again and again;</li> </ul>
Budget	<ul style="list-style-type: none"> <li>▪ To generate budgets for a period of time;</li> <li>▪ It helps to allocate and de-allocate the budget for the various resource types;</li> <li>▪ It Provides various budget reports and shows status of the each budget;</li> </ul>

### File Description

- Upload any additional information
- Paste link for additional information

#### 4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

Library resources	If yes, details of membership s/subscriptions	Expenditure on subscription to e-journals, e-books (INR in lakhs)	Expenditure on subscription to other e-resources (INR in lakhs)	Total Library Expenditure	Link to the relevant document
Books					
Journals					
e – journals					
e-books					
e-ShodhSindhu					
Shodhganga					
Databases					

<b>Local and / or Remote access to library resources (Specify)</b>					
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**File Description**

- Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership
- Upload any additional information

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e- journals during the year (INR in lakhs)**

<b>Library resources</b>	<b>If yes, details of membership s/subscriptions</b>	<b>Expenditure on subscription to e-journals, e-books (INR in lakhs)</b>	<b>Expenditure on subscription to other e-resources (INR in lakhs)</b>	<b>Total Library Expenditure</b>	<b>Link to the relevant document</b>
<b>Books</b>					
<b>Journals</b>					
<b>e – journals</b>					
<b>e-books</b>					
<b>e-ShodhSindhu</b>					
<b>Shodhganga</b>					
<b>Databases</b>					
<b>Local and / or Remote access to library resources (Specify)</b>					

**File Description**

- Audited statements of accounts
- Any additional information
- Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)



#### **4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

##### **4.2.4.1 - Number of teachers and students using the library per day during the year**

#### **File Description**

- Upload details of library usage by teachers and students
- Any additional information

#### **4.3 - IT Infrastructure**

##### **4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities**

#### **Number of systems with configuration**

SHC has a total number of **497** systems which includes Dual Core processors and Pentium-V systems.

#### **Student-Computer Ratio**

At SHC importance is given for the development of students in the field of computer science. The Computer-Student ratio is 1:2 (Computer Related Course). On a specialized basis (Shift I & II) dedicated computers are available in the laboratories for use of student's access.

#### **Dedicated Computing Facility**

The college has a research wing with adequate computer facilities available in the departments of Physics and Social Work. The Department of Physics has a well-equipped computer lab and in the Department of Social Work there are new systems incorporated with high-end systems

#### **Internet Facility**

In today's growing computer savvy environment, the need for internet has become mandatory in knowledge dissemination, information sharing and networking among the faculty, the students and the administration. Hence, the College has introduced LAN and connected all the systems through internet and intranet facilities. These systems have WiFi facilities with speeds upto 250 Mbps.

## **WiFi Facility**

At SHC every building has a standalone WiFi Network and the students are provided access with due approval of the college management. A noteworthy feature of the institution is that its faculty and research scholars have 24/7 access to the internet.

## **Servers, Open source software and Propriety software's**

The college maintains eight servers, among them four servers (two Linux and two Windows 2003) are for UG and PG courses and four other servers are Database server, Internet servers, Proxy server and SIS server. Propriety software such as Microsoft Base licenses, Oracle 8i, SPSS 20 and NVivo are used. Also the college makes use of open source softwares which include operating systems such as Ubuntu 14, Red-hat Linux.

## **Number of computers with internet facility**

Fifty computers are available in the browsing centre for students. Sixty six computers are available in respective departments, 14 systems are exclusively provided for research purpose. Internet facility is provided to all postgraduate students, research scholars (M.Phil. & Ph.D.), faculty members and administrative staff.

## **Interactive Board and LCD**

Importance is given to the use of interactive boards for teaching and learning at SHC. There are 92 Interactive boards available in various departments for the dissemination of optimum learning. An important feature of the institution is that all classrooms are equipped with LCD Projectors for efficient and effective learning.

## **CCTV Facility**

SHC recognizes the importance of safety towards its students, faculty and all stakeholders. The entire campus is equipped with 230 CCTV cameras providing electronic surveillance and safety.

### **File Description**

- Upload any additional information
- Paste link for additional information

### **4.3.2 - Student - Computer ratio**

**Number of Students**

**Number of Computers**

### **File Description**

- Upload any additional information

### **4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**

### **File Description**

- Details of bandwidth available in the Institution
- Upload any additional information

### **4.3.4 - Institution has facilities for e- content development:**

**Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

<b>Name of the teacher</b>	<b>Name of the module developed</b>	<b>Platform on which module is developed</b>	<b>Date of launching e content</b>	<b>Link to the relevant document and facility available in the institution</b>	<b>List of the e-content development facility available</b>	<b>Provide link to videos of the media centre and recording facility</b>
<b>Nil</b>						

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**File Description**

- Upload any additional information
- Paste link for additional information
- List of facilities for e-content development (Data Template)

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

<b>Budget allocated for infrastructure augmentation</b>	<b>Expenditure for infrastructure augmentation</b>	<b>Total expenditure excluding Salary</b>	<b>Expenditure on maintenance of academic facilities (excluding salary for human resources)</b>	<b>Expenditure on maintenance of physical facilities (excluding salary for human resources)</b>

**File Description**

- Audited statements of accounts
- Upload any additional information

**4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.****Response:**

The institution with its long experience has established systems and procedures for maintaining and utilizing every facility under its dominion.

**Maintenance of the Campus**

Care and regular maintenance of the entire college are ensured by the Administrator who looks into its daily functioning. A team of 15 women supervised by an administrative staff regularly ensures the cleanliness and maintenance of the college. The infrastructures of all classrooms are

cleaned and mopping is done every day. The campus is supported by two full time electricians, one carpenter, one painter, three gardeners and one scavenger who look into the technical assistance, daily requirements and landscaping of the campus.

## **Classrooms**

It is necessary to provide the students with a surrounding that is peaceful, comfortable and spacious. The college takes necessary steps to make this possible.

- Classrooms are readily available with the necessary infrastructure under the purview of the Administrator.
- In case of any impairment or technical complaints a standardized form is available for the immediate rectification and assistance that would be facilitated by the IMF Technical team.
- During the summer holidays and as per the requirement of each department regular refurbishment of desks, tables and chairs are looked into.
- Electrical maintenance and the need for additional ports, cables, and wiring are also carried out.

## **Laboratories**

To facilitate practical teaching, research laboratories are available in various departments. Such laboratories operate from Monday to Saturday as specified in the curriculum. The laboratories house a large collection of sophisticated equipment to carry out research by faculty and students. In order to ensure the smooth functioning of the lab the following protocols are in check:

- Students and Staff must carry their ID card to utilize various facilities in the laboratories.
- Majority of the lab facilities are under CCTV surveillance to monitor movement of people and equipment etc.
- Laboratories are equipped with fire management systems which include the signal of fire alarms, evacuation and control. This ensures the right to save people and property in case of any unforeseen event.

- First-aid kits, fire extinguishers, fume cupboards, exhaust ducts, goggles and safety masks are now available to deal with various classification of fire in case of any emergency situations.
- Researchers from other institutes are permitted to use the Laboratories on a written request to the concerned HoDs and the same has to be approved by the Principal.
- Regular maintenance of various laboratories include the appropriate maintenance of proper lighting facilities, ventilation mechanisms, air-conditioning, fume chambers, expiry check of available first aid kits and regularity of water supply.

## **Library**

The books in library are accessed, stamped and then shelved according to the Dewey decimal classification. Periodic Book binding is carried out to prevent the damage of books. The institution has a Library Advisory Committee for its optimum functioning and a suggestion box is available for the improvement of its services.

- Students and staff must carry their ID card to enter the library through Turnstile.
- The recent trade mark of SHC is its effective Biometric system that monitors the in and out commutation of students, faculty and visitors.
- Visitors or guests are permitted to use the Library on specific requests to the Library Authority. They are required to produce a proper introduction letter from their Parent Institution/Organization.
- The entire library building is under CCTV surveillance to monitor the movement of people and goods etc.
- The Library building is also equipped with an effective fire management system.

## **Sports Centre**

A dedicated team of two full time Physical Directors and an assistant (marker) are available to monitor and maintain the effective functioning of the sports wing. A sports committee is created

to handle the matters and concerns related to sports. This committee consists of students and faculty.

- Sports equipment is periodically refurbished and new equipment is purchased accordingly.
- Marking of various fields to fit the nomenclatures of various sport events are specifically looked into. This includes the distinctiveness of the football field, cricket ground, volleyball stadium and the basketball court.
- Cutting, cleaning and maintenance of various grounds are regularly taken care of.
- Another significant venture in the utilization of the various sports facilities which include the conduct of district level, state level and various university level competitions.
  
- Since some of the sports facilities existing in the college includes the functioning of flood lights, these high end facilities are regularly maintained.
- First aid boxes are always available for the students in case of any emergency or sports injury.

### **Computer Services**

A well trained IMF team exists for the regular maintenance of electronic services and computer aided facilities. The Director of the Computer Centre ensures the maintenance of computers and network facility of the institution.

### **Hostels**

Four wardens and sub wardens regularly monitor & maintain hygiene and cleanliness of all facilities available in the hostels. In-house visits are performed by the Secretary of the College to effectively ensure the same.

### **Generator facility**

The campus has a diesel generator with a capacity of **250 KV** and two other generators each with a capacity of **75 KV**. There are three central RO plants and water tanks available for clean drinking water facilities and this is regularly maintained.

## **Canteen**

The canteen maintenance committee headed by the Dean of Student Welfare takes care of quality and other related issues with regard to the canteen.

## **Water and Waste Management**

Effective solid, liquid and waste management systems are available in the institution. Water harvesting units and environment conservation panels are also periodically checked. Adequate dustbins are available throughout the campus with colour distinction for the segregation of bio-degradable and non-degradable waste.

### **File Description**

- Upload any additional information
- Paste link for additional information