

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

INFRASTRUCTURE AND LEARNING RESOURCES



Classrooms / ICT / Library / Laboratories



Sports / Games / Cultural



Infrastructure Augmentation/Maintenance

The infrastructural strategy of the college is driven by visualization of future requirements of teachers, administrative staff and particularly students in advance. The requirement of new infrastructure is first discussed in the meeting of the Planning Board which is constituted as per UGC guidelines. The requirements are accomplished by the management at the earliest.

Our college facilitates the students with 52 classrooms which are spacious and fitted with lightings, fans and blackboards to make teaching learning process a triumphant one. Twelve projectors are installed at the essential classrooms for impressive and competent learning. The laboratory for Physical science and Chemistry are equipped with necessary resources to dispense the practical knowledge of students for rich experience.

Library is stacked with necessary books pertaining to the syllabus and reference materials. The students are permitted to borrow books as per the book bank scheme. Online resources [INFLIBNET / NLIST / NDL] are made available to both the faculty and the students. Apart from the main library, every department has its own department library with a considerable number of books to enhance the reading habits of the students and thereby enrich their knowledge.

The college has a well –equipped computer laboratory to enable the students to make an optimum use of network for their studies and presentations. The computer programs such as CHEMSKETCH, CHEM, wxMAXIMA, MATLAB etc., are provided for the betterment of the student community.

In addition to the above, as and when a need arises to introduce new technology, facility, teaching learning aid, equipment etc., it is fulfilled with the approval of the College Governing Council.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

KEY FACILITIES







1. **Outdoor and Indoor Sports Facilities:** Our College has set up facilities/grounds for Cricket, Football, Basketball, Volleyball, Table-Tennis, Badminton, Chess, Carom, etc., and league matches are encouraged. Our college has planned to organise inter-college sports tournaments to develop a spirit of healthy competition.
2. **Special Coaching:** We are proud to have quite a few state-level players who have played in the Nationals. One of our students was selected to participate in 5000 meter race in the Commonwealth games. Another student represented India in Basketball. We have also planned to arrange special coaching for them.
3. **Gymnasium:** In order to ensure a sound body and mind, students are given awareness on health and fitness. A modern gym with all the latest gadgets has been set up in the hostel.
4. **Adventure:** Taking advantage of the natural beauty of the surrounding western ghats, an 'adventure club' formed by students, organizes camps such as nature-walks, trekking and hiking.
5. While games, sports and athletics directly contribute to physical development of students, other co-curricular activities also indirectly contribute to it. These activities provide a useful channel for the growth and development of the body.

Students are selected through selection trials and trained to participate in intra college events, inter –

university events etc. Track suits, Jerseys and sporting gear are provided to the students free of cost and they are also provided with financial and technical support from the college sports fund to represent our college in the university level tournaments. Apart from the above facilities, our college has a fully equipped gymnasium for the use of students and faculty members free of cost.

Many of our students are selected for the university level sports and games every year. We fully support our students to participate in the games as it will help them in their future. Our college teams compete in various tournaments like Football, Kabadi and Athletics and have secured prizes. The sports department conducts an Intercollegiate and Zonal Sports Meet for the students and also conducts an Intra Department Sports Meet for the faculty members and students of our college. The sports department takes care of the needs and wants of the students regarding sports materials. The separate sports wing attached to the college provides facilities for many games. The sports facilities in the college are built to international specifications and provide a different choice of sports and games.

1. Yoga center

The college has 2 separate Yoga centers. Yoga and meditation are taught to activate their positive energy and to keep them fit physically and mentally.

2. Cultural activities

The youngsters lean more towards the western way of living. Slowly they forget their rich culture and heritage. To make them realize the importance of our rich culture and heritage, cultural activities are given due importance. They are encouraged to participate in several cultural competitions conducted in college as well as at the University level.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 14

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 99.6

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
53.75	51.00	55.50	65.30	114.21

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

- Name of ILMS software : ROVAN LMS
- Nature of automation (fully or partially) : Fully
- Version : 6.0
- Year of Automation : 2012

LIBRARY SOFTWARE

The Integrated Library Management Software **ROVAN LMS** co-ordinates the Library Administration and all the books are labeled with bar code. It provides a user-friendly atmosphere in the library. Further it is

upgraded from time to time.

The Library Management System module covers all library services like Online Public Access Catalogue (OPAC), book lending, e-gate, etc. The computerized database makes it easy for students to access the books needed for their curriculum. E-learning facility is also made available for the students. The ROVAN LMS provides extended service for accessing e-books through intranet.

The Library is Wi-fi enabled. There are 10 Computers having broadband internet connectivity including 5 computers in the Digital Library. Laser printer for scanning and photocopying and a Barcode Printer and Barcode Readers are also available in the Library.

DIGITAL LIBRARY SERVICES

- OPAC (Online Public Access Catalogue) for book search
- E- Library (1038 e-books are available with remote access facility)
- Member of e ShodhSindhu - **N LIST** under INFLIBNET an infrastructure for Scholarly Content under the Ministry of Human Resource Development that provides more than 6000 + online journals and 31,35,000+ e books. It provides web based services including access to e- books, e-journals and Research databases, that are available from a single point access.
- The College is an NDLI Club Partner making available nearly 3 crore items.

Apart from these the following facilities are also available:

- Internet browsing facility for Staff and Students.
- NVDA Software (NonVisual Desktop Access version 2018.4.1) that allows blind and visually impaired users to read the screen. Links to audio books are also made available.
- Links are provided to important Open access resources such as Reference desk, Indian Academy of Science Journals, Directory of Open access books, Directory of Open access Journals, etc.
- Links to the various MOOCs Portals and guidance to take up online courses are provided.
- Skill Updation Programmes on Internet Search & Online Application, Effective Web Usage, Open Referencing Tools, Open access resources, etc. are conducted periodically.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for

library enrichment

Response:

Library Enrichment:

Our Library is spread around 4560 sq.ft. with a seating capacity of 100 students. It is well stocked with a wide variety of 31,541 books and subscribes to 8 Newspapers, 34 Magazines and 15 Journals. The Library has exclusive sections for **Reference Books, Dissertations and Thesis, Book Bank** (catering to the students of economically and socially backward communities), a separate section on **Career Guidance**, and a **DVD** Section that are all well maintained.

Every department maintains a **Department Library**. The **Library Committee** meets periodically to discuss the activities of the library and to enrich the students' Knowledge. **Feedback** is collected from the students regularly.

Facilities for the Physically Challenged: The Library is User friendly and caters to the special needs of the Physically Challenged students with Ramps. A separate system is allotted for the Blind or Vision Impaired students in the Digital Library to read the screen with a text-to-speech output. Braille books are also available for the visually impaired students. Links to Audio Books are also provided.

The Library conducts activities such as Readers Forum, Certificate Courses and Competitions, Skill Update Programmes to empower both staff and students, Book Exhibitions and Expos, National Library Day Celebrations, Nature Walks, etc.

OUTREACH: The Library is open to outsiders who visit the library in quest of wider knowledge in their fields.

A **Memorandum of Understanding** has been signed with **Ritham Special School for Mentally Challenged Children, Rajapalayam**, and 25 volunteers render services to relish the Joy of Giving.

The Library reaches out to develop the reading habits of School children since the habit of reading is best cultivated in schools. Towards this mission, a State Level Programme for the Librarians from various schools in and around Rajapalayam was conducted for **Effective Librarianship**. Competitions for school children based on leisure Reading were conducted to instill the **Joy of Reading** in which many schools participated including two schools for Special Children.

RARE COLLECTION

The College library has a very good collection of rare books. We maintain rare books to safeguard our heritage and to promote the development of new ideas about the past. Old College Magazines and Handbook & Calendars from 1973 onwards are available in the library and it is a subject of great interest to young researchers.

Rare books are available in various subjects including History, Epigraphy, Archeology, Sociology and Tamil. These rare books are exclusively maintained and binding of these books is done as and when required. Although these books are not under circulation yet users can refer these books in the Library.

The library also has an extensive collection of reference sources like Encyclopedias, Dictionaries, Biographies, etc. These reference sources are accessed by the users for their various college Assignments, Project works, etc.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 3.07

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.34	4.43	1.86	6.07	2.67

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 8.08

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 205

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The IT infrastructure strategies are developed as per the guidelines of state government as well as UGC from time to time. Software and hardware are upgraded regularly and as and when a demand for the same arises. The college has a well-developed system for providing IT facilities to the users. Some of the facilities are as under:

1. Our college maintains and provide pioneering IT infrastructure facilities with time to time and need to its students as well as faculty members
2. Three servers and 164 computers are available with internet facility.
3. Computers are accessible through passwords.
4. The college website has information regarding admission, departments, committee, college rules, library, sports, photo gallery, IQAC and upcoming events. The college updates its website regularly.
5. Library is provided with uninterrupted internet service with bar coding system for lending books.

6. All the departments have Internet facility via lease line for preparation of power point presentation as teaching learning materials etc.
7. Computer with internet facility is available in placement cell.
8. Computers are provided in the administrative office for administrative purpose and maintenance of accounts.
9. Students' profile, Fees and attendance of the students are documented using ROVAN software. Students' database is accessible in all department computers through network.
10. Attendance of teaching and non-teaching staff members is automated with biometric system.
11. Printer and scanner facility are available for the students and faculty members in computer laboratory and library.
12. Examination cell and administrative office are provided printer and scanner facility.
13. Portable LCD projectors are provided on need basis for ICT enabled learning. Both Smart room with SMART and Audio visual hall is available with LAN as well as Wi-Fi facility
14. Computers in the computer laboratories, library, departments and administrative office are networked using LAN.
15. The campus is enabled with BSNL broadband connectivity with 10 Mbps speed and Rail net broadband connectivity with 16 Mbps unlimited free download.
16. The college campus is Wi-Fi enabled. Licensed software.
17. The College has self-supportive automated software ROVAN for maintenance of student database.
18. Net Protector and K7 Anti-virus software are used for PC security.
19. Proprietary software for Microsoft Office, Visual Studio 2005, Windows XP, Windows 8.1, SQL Server, Server 2008 r2 license.
20. The CCTV vigilance installed at strategic places help monitor the campus activities.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio

Response: 19.37

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: 5-20 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 43.73

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
35.255	19.5	25.22	24.3	37.63

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

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

Response:

The college has an Advisory Committee which looks after regular maintenance of College campus. The committee submits its report to the Principal and Chairman of the trust. If required the issues are discussed in Local Managing Committee (LMC) meeting and the necessary steps are taken. The management allocates sufficient fund for the upkeep of the infrastructure and equipments every year.

I. Laboratory

Science Lab

1. Each laboratory has got sufficient lab equipments as per the requirement of University syllabus and the equipments are periodically inspected.
2. College ensures that repairs are made in a timely manner and prevent any damages from getting worse.
3. The lab equipments are kept away from any extreme heat or cold
4. Timely replacement of damaged parts are done.
5. Each lab has a keen lab technician to look after particular lab.

Computer Lab

1. Computers and accessories are well maintained and serviced as required. Most of the computers and other electronic gadgets have AMC facility
2. Antivirus software is installed in all systems to prevent uncalled for system troubles.
3. A centralized generator is installed in the college
4. Each lab has a dedicated lab supervisor who is mainly responsible to look after that particular lab under his/her domain.

II. Library Maintenance

1. shelving new materials
2. searching for lost books
3. evaluating the physical condition of the stocks
4. removing and remediating damaged books
5. weeding the collections in accordance with established guidelines
6. recording collection statistics
7. changing location codes of materials, if necessary
8. physical processing and labeling of new materials
9. space planning for collection moves
10. organizing and planning the relocation of materials

III. Sports complex

1. There is a regular inspection and supervision of sports facilities and equipment available in our college.
2. Our college abandons the use of old and exhausted equipment.
3. Maintenance and repair are inappropriate to the extent that the equipment would be possible to re-use; otherwise, leaving such equipment is the best way to follow safety rules.

IV. Classrooms

1. The goal of the college is to maintain a safe, clean and secure environment that will optimize the learning experience for students and staff.
2. The classrooms, lecture halls and tutor rooms are fully furnished with state-of-the-art technology to be at par with the standards set by the world's best institutes. It was regularly overseen by the department staff and representatives.
3. The Teaching-Learning pedagogy used in the classrooms is IT enabled and all classrooms are equipped with a standard array of presentation equipment that provides our faculty with the best multimedia tools for their instructional needs.
4. The smart halls can accommodate up to 120 students, classrooms can accommodate 60 students. It was cleaned and kept in protected.

V. Departments

The respective department maintains a stock register for all relevant equipment. Stock verification is carried out at the end of every academic year and the missing instruments and breakages are noted down.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document