

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The institution has adequate infrastructure facilities for

a. teaching - learning. viz., classrooms, laboratories,

b. ICT enabled facilities such as smart classes, LMS etc.

c. Facilities for cultural and sports activities , yoga centre, games (indoor and outdoor) gymnasium, auditorium etc.

Describe the adequacy of facilities within a maximum of 500 words

Response:

Palamuru University has been augmenting requisite facilities for strengthening teaching learning processes and creating conducive ambience for scholarly pursuits in consonance with specified requirements of the concerned statutory bodies.

There are 87 classrooms with latest furniture. The University is keen on augmenting Learning Infrastructure for effective teaching and students' engagement with learning. In this direction, Smart Classrooms have been setup at Departments of Physics and Microbiology. ICT enabled facilities are installed at all Classrooms and Auditoria including Seminar Hall at campus and at each of the District PG centres.

There are 35 well equipped Laboratories including those at PG Centres. Departments of Microbiology, Chemistry, Integrated Chemistry, Physics, Botany, Zoology and Pharmacy have well equipped laboratories to cater to the course requirements and research pursuits. Some of these have been further strengthened with sophisticated equipment under funding from sponsored research projects.

In addition to subject specific laboratories, there are four well equipped common computer laboratories with 35 to 40 systems each exclusively for Computer Applications, Physics, MBA & M.Com., and Pharmacy programmes.

There are separate Digital Language Laboratories with 35 systems each at the Department of English and at the Centre for English Language Training (CELT) for the wider purpose of computer assisted English language learning to improve communicative English.

To promote information literacy and direct access for learning resources among the students, a general-purpose computer laboratory with 35 systems has been setup at the **Central Library** of the University.

As part of strengthening centralised evaluation process and digitization of Examination Branch, University has set up a 100 Computer Systems with latest Hardware Configuration and Software.

In all about 500 computers with requisite software and updated configurations are available at Palamuru University.

Palamuru University has created good amenities for the promotion of games and sports as well as cultural activities to facilitate holistic development of the students. Integrated Sports Complex, established in the year 2015 has facilities for indoor games of Badminton (area 455 sq.mts), Table Tennis (Area 154 Sq.Mts.), Caroms (Area 91 Sq. Mts.), and Chess (Area 91 Sq. Mts.). The sports complex also houses well equipped Gymnasium/Fitness centre (Area 88 Sq. Mts.) as well as Yoga centre (Area 88 Sq. Mts.).

The facilities for outdoor games and sports include Volleyball, Badminton, Ball Badminton, Tennikoit, Kabaddi, and Kho-Kho. There are facilities for track and field events which include, 200 Mts. athletic Track for Running Events, jumping pit for Long Jump, Triple Jump and High Jump, throwing sectors for Shotput, Discus Throw and Javelin Throw. Construction of Synthetic Basketball Court and Synthetic Matting of Badminton Court as well as Laying of Synthetic Athletic Track has been completed.

Three well equipped auditoria with a seating capacity of about 300 members each for the conduct of the cultural and literary festivals, competitions and related events. Open Air Theatre (Vikasaprananam) for staging cultural events are available at the University Campus.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.1.2

Percentage of expenditure excluding salary, for infrastructure development and augmentation year wise during the last five years

Response: 0.34

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
11.72	0	1.42	1.87	0.59

File Description	Document
Institutional data in the prescribed format (data template)	View Document
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

Automation of Central library has been taken up in the year 2017. The state-of-the-art integrated library management software developed by INFLIBNET has been chosen as the vehicle for institutional transformation.

Advanced version of Integrated Library Management System (ILMS) software –SOUL (version 2.0) has been installed. Library automation is opening up a new window of opportunities for enhanced access to educational resources for learners and effective functioning of the library as an institution. Digitalisation process is in initial stages.

Apart from procurement of Text Books and Reference Books for different programmes of study, the library also stocks good collections of general books catering to the growing requirements of students for career oriented and competitive examinations. The library subscribes to a vast number of subject specific journals and periodicals for use of students and faculty. Back volumes of journals are being made available. The library is acquiring online educational resources from different sources for the benefit of academic community of the University.

The library is making forays into the acquisition of rare books, manuscripts and related knowledge resources.

A general-purpose computer laboratory with 35 systems to promote information literacy and direct access for learning resources among the students has been setup at the **Central Library** of the University.

The services of library are availed to a maximum extent by the students and staff. It has extended

working hours and flexible schedules to suit the requirements of large number of resident students.

File Description	Document
Upload any additional information	View Document
Provide the Paste link for additional information	View Document

4.2.2

Percentage of expenditure for purchase of books/ e-books and subscription to journals/e-journals year wise during the last five years

Response: 0.17

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

2022-23	2021-22	2020-21	2019-20	2018-19
0	3.76081	1.30000	1.15067	1.62421

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Institutional data in the prescribed format	View Document
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4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

Efforts have been made to update the IT infrastructure in order to align with the changing needs and requirements. Presently, the campus-wide internet connectivity, revamped with Fiber Optics Cable connectivity (OFC), leased from BSNL, to ensure swift data access is catering to academic and research requirements. Similarly, existing JUNIPER M10 router is facilitating seamless connectivity with the National Knowledge Network (NKN), and offering uninterrupted access to knowledge resources.

Taking into consideration of the growing number of network users, the University has upgraded its earlier SonicWALL TZ600 firewall to a more advanced configuration Fortinet FG 600F Firewall-Hardware (FG-600F-HW-APP-FG6HOFTB 23904361) during the year 2023, which is capable of accommodating a larger user base (3000 users). This upgrade enhances internet security, and ensures safeguarding of computer systems against malware, offensive websites, hacking, and malicious intrusions.

In a bid to transform the University Campus into a Wi-Fi-enabled environment, Wi-Fi routers and Wi-Fi Access Points with advanced configuration Netgear- WAX610Y (Next Generation 802.11 ax WiFi 6 Technology (OPDM & OPDMA)) have been installed across all college and hostel buildings during year 2023, providing students and staff with swift, Secure and enhanced internet access.

Furthermore, Close Circuit Cameras (CC Cameras) with LED screens have also been set up at all campus buildings, including colleges, hostels, and PG centres, for the safety and security of University personnel.

In addition to these, Computer laboratories and administrative offices across the University Campus, as well as at PG centres, have been upgraded with new computer systems, printers, copiers, and other electronic devices with the latest configurations.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.3.2**Student - Computer ratio (Data for the latest completed academic year)**

Response: 7.43

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 290

File Description	Document
Stock register/extracts highlighting the computers issued to respective departments for student's usage	View Document
Purchased Bills/Copies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.3.3

Institution has the following Facilities for e-content development and other resource development

- 1.Audio visual center, mixing equipment, editing facilities and Media Studio**
- 2.Lecture Capturing System(LCS)**
- 3.Central Instrumentation Centre**
- 4.Animal House**
- 5.Museum**
- 6.Business Lab**
- 7.Research/statistical database**
- 8.Moot court**
- 9.Theatre**
- 10.Art Gallery**
- 11.Any other facility to support research**

Response: D. Any 3-4 of the above

File Description	Document
Videos and geo-tagged photographs of each of the facilities available in the HEI. Details of the structures of each of the facilities available in the HEI.	View Document
Purchase Bill / stock register, entry for lecture capturing system, mixing equipment, software for editing	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years

Response: 1.82

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)

2022-23	2021-22	2020-21	2019-20	2018-19
16.98	14.19	10.54	10.34	31.34

File Description	Document
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4.4.2

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

Describe policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities within a maximum of 500 words

Response:

Palamuru University follows a well laid down policy for maintaining and utilising different types of academic facilities and student amenities.

General upkeep (including cleaning and sanitation) of the offices, colleges, hostels & messes and other central facilities is assigned to Approved Agencies on outsourcing basis as per state Government policy. Specified procedure pertaining to issue of Tender Notification, Evaluation of tenders after financial bids and technical bids and finalisation of Tender and award of contract is being followed. The working of approved agencies is evaluated from time to time.

Periodic & Preventive maintenance of buildings and overall campus environs is looked after by the consultant Engineer. The services of duly approved central government agencies are enlisted for third

party inspection to ensure quality maintenance. At present National Academy of Construction, Hyderabad is extending service support for this purpose.

Utilisation of the classroom and laboratories facilities and looking after their day-to-day maintenance is the responsibility of Principals/Heads. The services of Laboratory staff are availed for the regular monitoring of availability of consumables and maintenance of equipment. Services of third-party supplier agencies are enlisted as and when required for necessary replenishments and repairs.

The upkeep and maintenance of Sports infrastructure on a regular basis is being looked after by the Department of Physical Education.

Maintenance of IT infrastructure takes place through periodic requisitions to service providers.

The purchase committee coordinates the procurement of all types of computing devices including hard and licensed software under rate control from the duly approved Venders. Standardised procedures are in place for this purpose.

State Government policy of green computing is being followed for disposal of E-Waste to designated firms for recycling.

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