Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

Located in the heart of Tanuku town, and within walkable distance from the bus stand. The college campus spreads over 7 acres out of which 4289 square meters is the total built-up area.

The college has 19 spacious classrooms and one seminar hall with ICT equipment. Out of these 19 classrooms, 3 digital classrooms and one virtual class whose equipment was sponsored by RUSA, one is a smart classroom whose equipment was sponsored by APSSDC, and 9 are equipped with an LCD projector facility.

The college provides a green and eco-friendly atmosphere, safe drinking water through an R.O. water plant, a ladies' waiting hall, and CC cameras installed at strategic places. The College accommodates the special infrastructural needs of the physically challenged. A women's hostel is being constructed with Grants-in-Aid of Rs.23,75,220/- by UGC and 90% amount was utilized and it is at the finishing level.

The college has 12 well-equipped laboratories. The list is as follows:

Physics labs-2, Chemistry labs-3, Botany labs-2 (along with Herbarium), Electronics lab-1, Zoology lab-1 (along with Museum), Microbiology lab-1, Computer Science lab-1, English language lab cum Jawahar Knowledge Centre (JKC) i.e. placement cell-1.

The college has 84 computing systems out of which 30 laptops sponsored by APSSDC, 3 laptops sponsored by RUSA for three digital classrooms, and one system sponsored by UGC for IQAC under the XIth plan. Jawahar Knowledge Centre cum English language lab was equipped with 30 clients sponsored by the Commissioner of Collegiate Education (CCE), Government of Andhra Pradesh. The computer lab is equipped with 20 computers which were sponsored by UGC under additional assistance, XIth plan. The college is equipped with one 100mbps, four 60mbps speed internet broadband connections and made campus Wi-Fi free. The students of the college have access to LMS provided by CCE.

Government of Andhra Pradesh selected this college to improve facilities to get better NIRF ranking in the district. In this regard an amount of 3.12 crore was sanctioned to augment infrastructure facilities.

The Institution has an open rostrum to conduct all kinds of cultural activities, general gatherings, assemblies, celebrations, events, etc. The college also has the conference/seminar hall which is also utilized for cultural activities. The cultural committee in the college facilitates the conduct of cultural activities and encourages the students to participate in various cultural competitions in the college, and on different occasions of national and international days of importance.

The campus with 7-acre land includes 400 meters running/walking track facilitates a wide variety of indoor and outdoor sports and games including athletics, cricket, volleyball, Kho-Kho, Kabaddi, Handball, and Indoor games like Badminton, Chess, Caroms, etc. An open Gym in the college promotes good health

among students. Students are trained by the Physical Director to participate and compete in College, University, District, State, and National level tournaments

Training arrangements are often made with experts for activities and sports such as Kabaddi, boxing, and yoga.

File Description	Document
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4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 82.04

4.1.2.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	41.42004	11.05366	116.29917	47.78173

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

The Library as Learning Resource Centre of the college has over 14169 textbooks, 15714 reference books, and 12 journals.

Its prompt and effective services are in synchronization with the changing needs of the academic community, which is moving towards electronic resources such as e-books, e-journals, and databases. For instance, the library is enriched with the subscription to e-resources of N-list. The faculty and the students have remote access to 6000+ journals and 1,99,500+ e-books through N-list, and 6,00,000 e-books through National Digital Library. The library also has 100 CDs & Videos related to various subjects for e-learning.

An e-learning center in the library with five computer systems helps the students to access these and other e-resources. The library is fully Wi-Fi enabled for this purpose.

In addition to the various resources, Library as Learning Resource Centre hosts a magazine lounge. The library has subscriptions to 7 newspapers in Telugu and English. There are separate reading rooms for students and the staff, where they can meet and discuss to enrich their knowledge.

The Commissioner of College Education, A.P initiated the process of automation of Libraries of Government Degree Colleges in collaboration with INFLIBNET, Gujarat in 2005. In this connection, SOUL (Software for University Library) version 1.0 was issued to this college with which Library was partially updated in 2010. This software provides UNICODE based multilingual support for Indian and foreign languages. Later it was replaced by the SOUL-2.0 version in 2019. In January'2022, it was upgraded to the SOUL-3.0 version. Presently, the library is partially automated with the SOUL-3.0 version.

The college library portal (https://sites.google.com/view/scimgdclibrary/home?authuser=0) is a gateway to its resources and services. It helps users to discover high-quality, relevant web-based information quickly and effectively. The portal provides direct links to e-resources of NLIST, INFLIBNET SHODHGANGA, e-PG Pathshala, *Integrated e-content Portal,* SWAYAM, SWAYAMPRABHA TV, and NATIONAL DIGITAL LIBRARY.

Readership: Library membership is free to all Staff and Students of the college. Students and faculty from other government institutions are also allowed to use the library for reference purposes only, free of charge. In order to optimize the use of library resources, the membership is also offered to College Alumni and retired faculty. The library will be kept open on all working days between 9:30 a.m. to 05:30 p.m. Currently, the Library is catering to the needs of more than 100 readers, including students, teaching, and non-teaching staff on a daily basis. Apart from this, the college has 507 active N-list users.

An average annual amount of 0.49 lakhs was spent on the purchase of books, subscriptions to journals/e-resources and newspapers, etc. during the last five years.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

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

Response:

The college has adequate IT infrastructure to meet the needs and challenges of modern education.

The college has 19 classrooms out of which 3 are digital classrooms and one is a virtual class whose

equipment was sponsored by RUSA, one is equipped with a smart classroom facility whose equipment was sponsored by APSSDC, and 9 are equipped with LCD projectors. The virtual classroom is earmarked for Teaching and Learning in ICT mode facilitating the interaction of the college teachers and students with the teachers and students of other institutions for mutual sharing of knowledge. The college also has a seminar hall with ICT equipment.

All digital/virtual/smart/other ICT-enabled classrooms are supported by:

1. Server HPE 56ML 350G9

2. Numeric 7.5 Kva online UPS

3. Numeric 3 Kva online UPS

4. 24-port Gigabit Fast Ethernet Web managed L2 Switch

5. Wireless Access Point

6. Home UPS 10 Kva sponsored by UGC-additional assistance-XIth plan

The college has 84 computing systems out of which, 30 are laptops sponsored by APSSDC, 3 laptops are sponsored by RUSA for three digital classrooms, and one system is sponsored by UGC for IQAC under the XIth plan. Jawahar Knowledge Centre was established for the purpose of placements cum English language lab with 30 computing systems, one Dell Server, and one 15Kva online UPS which were sponsored by Commissioner of Collegiate Education (CCE), Government of Andhra Pradesh. The computer lab is equipped with 20 computers which were sponsored by UGC under additional assistance, XIth plan. All the systems in the computer lab are installed with windows operating system 10 and loaded with various software such as Turbo C, C++, JDK, and Microsoft office 7. The college has mechanisms in place for repairs and frequent updates to its IT infrastructure.

The college is connected to the Internet with four 60 Mbps connections, one 100 Mbps connection provided by Excel Broadband, and one 10 Mbps connection provided by AP Fibernet. The college is made Wi-Fi free with these broadband facilities to bridge the digital divide and meet the needs of students from marginalised sections.

The college is equipped with an organizational Google workspace to facilitate online teaching, which provides 2 TB of cloud space for up to 1000 users. The students have access to high-quality educational content through LMS provided by CCE. The faculty of the college also contribute to content generation in this LMS platform. The college is selected as Nodal Resource Centre by the CCE for content generation and arranging faculty development programs.

There is an Integrated Attendance Management System equipment i.e. biometric machines in the college, supplied by iconma Pvt. Ltd. and sponsored by RUSA. CC cameras are installed at strategic places in the college to ensure safety and security.

The college library has an e-learning center with five computer systems. The library is enriched with

subscription to N-list resources.

The college website is updated regularly to communicate with all the stakeholders.

File Description	Document
Upload Additional information	[View Document](#)
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4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 8.88

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

Response: 84

File Description	Document
Upload supporting document	[View Document](#)

Other Upload Files	
1	[View Document](#)
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4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 17.96

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

2021-22	2020-21	2019-20	2018-19	2017-18
8.45641	3.1	11.85604	14.4048	9.60105

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 82.99

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
696	608	538	483	499

File Description	Document
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Institutional data in the prescribed format	[View Document](#)

5.1.2 *Capacity building and skills enhancement initiatives taken by the institution include the following*

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 41.14

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**