

CRITERION IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 *Physical Facilities*

The Vikram University came into existence on March 1,1957 with its dictum as विद्ययामृतमश्नुते (knowledge is the foundation of immortality) and well defined crystal clear objectives.

The University campus is spread over 330 acres of land on Dewas road. The main campus has 15 spacious multistoried buildings to house the academic departments, each building with self contained common halls for arranging seminars etc. Another three separate buildings house administrative office, examination section, VC office, USIC section, engineering office, computer centre and other associated supporting sections. A well equipped auditorium (Swarna Jayanti Hall), Sarswati Kantha bhawan and two seminar halls attached with all audio-visual facilities for organizing any large scale gathering are unique features of the University.

Besides these, the University has a stadium with indoor sports facility, Gymnasium, Canteen, open play grounds to organize a number of mega sports event, six hostel blocks (one for girls, four for boys, one for research scholars) one guest house, eighty one residential accommodations for faculty and 101 for non teaching staffs are also the infrastructural facilities acquired by the University.

All the academic and administrative blocks are connected by internet facility, student have access to the internet in their individual department and at Central library. The University has six generators/ electricity backup for the crisis.

The cultural heritage was symbolically established at the administrative building in the form of the statue of great king Vikramaditya. Infrastructure has been expanded at various fronts by the construction of Sikshak sadan, Shalaka dirgha, Swarna jayanti bhawan and a composite block named Vagdevi bhawan.

A new building, Vivekanand bhawan, has also been constructed to accommodate students of new engineering course. Extension of girl's hostel has been done to accommodate more girls. University guest house has also been provided with new amenities.

Some buildings of the teaching departments have been upgraded with new instruments/equipments, Smart class room and computers.

The University library named Maharaja Jiwaji Rao (MJR) Library was established in year 1967 to provide library facilities to the college/ university students, teachers, research scholars, public members etc. At present, more than 1,82,000 books are available in the library. In the library, more than 10000 books have been added in last three years. The library also has a good collection of national and international e-journals. About 25,600 online journals are available.

Earnet E-journals consortium, an initiative taken by the UGC provides facilities for free access to scholarly journals and databases in all the areas of learning to the research and academic community across the country. More than 4000 scholarly journals and databases are already made accessible to one hundred universities, and Vikram university is one of them and the first in our state. This effort has started making a very good impact on the research and academic community of our University and a very encouraging result is noticed.

Information and library network center (INFLIBNET) is also situated at Maharaja Jiwaji Rao library. The basic objective of the Inflibnet center is to provide information about the availability of research journals at different libraries of India to the users and research scholars of the university. The center also supports the administrative work of the university.

A well equipped UGC info-net center started working in 2009. The UGC infonet E-journals consortium (J-GATE) is one of the best facilities made available to the teachers, research scholars, and students of the university. UGC info net: E journal, consortium enables its user to access large number of scholarly journals from reputed publications. Under the consortium about 4500 full text scholarly e-journals across the globe can be accessed. It covers almost all the areas.

Scindia Oriental Research Institute was established at Ujjain by the Regency Council of the erstwhile Gwalior state as a Manuscript library in 1931. Government of M.P. transferred the management of the Institute to the Vikram University in 1961. The Institute has a collection of more than 23,000 manuscripts including BHOJ PATRA, and PALM-LEAF manuscripts. A number of rare manuscripts in the collection have illustrations painted in bright colors and gold. The library of printed books consists of more than 16,000 volumes. The institute has some prestigious publications to its credit. The Vikram commemoration volume printed separately in Hindi, Marathi, and English is known as an important academic contribution of the Institute. There are old maps of Mahabharata battle formations and landscape, and copies of Srimadbhagvata on leaves and special rolls. The Indira Gandhi National Center for Arts (IGNCA, New Delhi) has selected and microfilmed more than 4000 manuscripts of the Institute. The Institute has its own micro-film unit as well as a microfilm reader facility. **Scindia Oriental** Research Institute has been selected as a manuscript Resource and Conservation Center for the state of Madhya Pradesh by the National Mission for Manuscripts, Department of Culture, Ministry of Tourism and Culture, Government of India. This Institute has many rare manuscripts of historical importance from 9th Century A.D. to modern times which are used for research purposes. Many important printed books are available for research work, especially subjects like Itihasa, Purana, Mahatmya, Katha, Kavya, Nataka, Campu, Neeti, Subhashita, Almakara, Dharamshastra, Tantra- Mantra, Stotra, Vaisheshika, Sankhya, Yoga, Mimansa, Shaiva, Buddhism, Jainism, Vedanta, Veda, Upanisad, Karmkanda, Ayurveda, Kamshastra, Sahitya, Vastushastra, etc.

The University is also engaged in social upliftment. Dr. Ambedkar Chair was established with an aim to propagate the principles and thoughts of Dr. Ambedkar amongst the intellectuals, academicians and students in and around the areas of Vikram University, Ujjain. The chair also executes the research plan and put forward

the recommendations and suggestions regarding the requirements of the SC and ST classes and recommends the suggestions regarding that.

Equal Opportunity Cell was established in 2008 to implement all schemes related to SC, ST, OBC, Minority and physically challenged students. The objectives of the cell include equality, liberty, fraternity issues and strategy of nation building.

4.1.1 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The physical infrastructure is available to all, teaching and non teaching staff and to the students. Every bit of it is being used for the academic and extra curricular activities. The University has various committees to plan out to make best possible use of the physical infrastructure.

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes. Recently, new buildings developed are - the School of Engineering and Technology (SOET) as per AICTE norms, extension of Institute of Pharmacy (first floor) as per PCI norms, new girls hostel, examination hall etc. For the promotion of a good teaching-learning environment, most of university departments have well equipped smart class rooms, internet facility and computers.

4.1.3 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

All the science departments have well equipped research laboratories. Most of them have modern instruments like FTIR, UV Visible spectrophotometer, HPLC, AAS, high quality research microscopes, In every Plan period, a number of instruments are purchased by the University as per the requirements of the faculty. All the departments have computers and internet facilities.

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes

4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?

Yes. Ground floor buildings have least stairs and first or second floor stairs have proper railing for the support of disabled persons. Ramps are also available for disabled students.

4.1.6 *How does the university cater to the requirements of residential students? Give details of*

- * Capacity of the hostels and occupancy (to be given separately for men and women)

About 450 students in 5 hostels (4 for males and one for females)

- * Recreational facilities in hostel/s like gymnasium, yoga centre, etc.

Yes big play ground, gymnasium and yoga centre available.

- * Broadband connectivity / wi-fi facility in hostels. Is in place.

4.1.7 *Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?*

Yes, University has Primary Health Centre to provide health facilities to the students, teaching and non-teaching staff. Centralized canteen facility is also available in the campus.

4.1.8 *What special facilities are available on campus to promote students' interest in sports and cultural events/activities?*

The Dean of student's welfare is in-charge of all extracurricular activities except sports, of the students. The University has sports centre for the conduction of all type sports in University and it also has big play ground. An Indoor games courts, basket ball court is available in university sports centre. For cultural promotion every year Youth festival is organized by the University.

Besides this, each department organizes its own annual function every year in which the students participate in sports and cultural activities.

4.2 *Library as a Learning Resource*

Dwelling on new digital initiatives, the MJR library caters to the academic interests and research needs of the student and faculty members. Build in more than 4193.04Sq. M the library is well stocked with over 1,82,000 print books and 4800 back sets of periodicals, 26 news papers and more than 80 electronic media like CDs/DVDs. The library houses industry relevant reports, standards, annual reports, magazines, newsletters, etc. An automated set-up with user-friendly portal providing a single point access to e-resources is underway. The library has a rich collection on various subjects like management, business, technology, pharmacy, sciences, law etc. More than 1400 users are taking advantage of this library annually.

The Library is managed professionally and apart from lending and reference

services; offer good number of e-info services. The Library and E-Resource Centre plays a proactive role to ensure that the information resources are acquired and organized to meet the present and future needs of its users. The MJR Library holds documents predominantly related to management, engineering, computers, information technology, HRM, marketing, fine arts and its allied subjects and aims to develop a comprehensive collection of information resources that are useful for academic and research purposes. Salient Features:

The Central Library-E-Resource Centre has comprehensive information resources that are useful for academic and research purpose. It has a large collection of books, journals, DVDs, etc. Spread across 4193sq. mtrs. (4 floors) with a seating capacity of approx. 400 persons. SOUL.2 based Library Automation System is underway.

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Yes, University has an Advisory Committee. The composition of committee is as follows:

Vice Chancellor is the President of the committee. The committee has 4 deans of different faculties, 04 HODs of different departments and the Finance officer of the university as the members. The librarian acts as a Secretary of the committee

4.2.2 Provide details of the following:

* Total area of the library (in Sq. Mts.) :

More than 4193.04Sq. M

:* Total seating capacity

Approx 400 Persons

* Working hours (on working days, on holidays, before examination, during examination, during vacation)

Working Days: 10.30 AM to 5.30 PM

During examination: 8.00 AM to 8.00 PM

During vacation: 10.30 AM to 5.30 PM

* Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Layout is available. And all above mentioned facilities are available.

* Clear and prominent display of floor plan; adequate sign boards; fire alarm;

are available to its clients. This year library offering some valuable e-resource like J-GATE, DLS, Science Direct (on request), INDCAT, e-books (on request) to its academic community. It's the first university library in Madhya Pradesh which is using SOUL.2 software for its data conversions.

- * OPAC : Yes
- * Electronic Resource Management package for e-journals
Yes, library have KNIMBUS facility
- * Federated searching tools to search articles in multiple databases
Available Online
- * Library Website
Yes, www.vikramuniv.net/library.html
- * In-house/remote access to e-publications
Available Online

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

- * Library automation
Yes, automation facilities are available for users to access books, News papers, e- journals, articles, thesis, e- books, data base, etc.
- * Total number of computers for general access
Total number of computers: 40
- * Total numbers of printers for general access
Total numbers of printers: 01 (on request)
- * Internet band width speed 2mbps 10 mbps
The library provides High speed Broadband (1Gbps) facility to the users to access other library databases and networks spanning across India.
- * Institutional Repository
Not, at present
- * Content management system for e-learning
Yes
- * Participation in resource sharing networks/consortia (like INFLIBNET)
Yes

4.2.6 Provide details (per month) with regard to

- * Average number of walk-ins :
120 /day
- * Average number of books issued/returned:
80-100 books/ day
- * Ratio of library books to students enrolled
1:4
- * Average number of books added during the last four years Around 3500/year books
- * Average number of login to OPAC 7 to 9 users/day
- * Average number of login to e-resources Around 10 users/day
- * Average number of e-resources downloaded/printed Around 06 downloaded /day
- * Number of IT (Information Technology) literacy trainings organized 02, IT (Information Technology) literacy trainings organized during last three years.

4.2.7 Give details of specialized services provided by the library with regard to

- * Manuscripts Yes
- * Reference Yes
- * Reprography/Scanning Yes
- * Inter-library Loan Service Yes
- * Information Deployment and Notification
Yes, information notified
- * OPACS Yes, available
- * Internet Access The library provides High speed Broadband (1Gbps) facility to the users to access other library databases and networks spanning across India.
- * Downloads Yes
- * Printouts Yes (on request)
- * Reading list/ Bibliography compilation
The Library provides Bibliographical services to its users. The Library has so far publishes 22 bibliographical and current awareness service publications.
- * In-house/remote access to e-resources Inter-Library loan services are provided on demand by readers by borrowing books from other libraries.
- * User Orientation Yes, regular user orientation programs conducted. Library services trainings are provided for the teaching faculties, library staff members, research scholars and students.
- * Assistance in searching Databases Yes, provided by the library staffs.
- * INFLIBNET/IUC facilities Yes, INFLIBNET/IUC facilities available in library

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Annual Library Budget: 15 Lacs from university budget and around 1.0 Cr.

from UGC. Amount spent for purchasing new books and journals. : Around 85 lakhs / annum

4.2.9 *What initiatives has the university taken to make the library a ‘happening place’ on campus?*

Forty Computers with internet facilities are available, separate reading rooms for PG and research scholars are available. Regular marketing drive conducted in the campus by the librarian. A number of magazines and news papers are available for general reading.

4.2.10 *What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?*

Suggestion register provided in library for open suggestions of the users and time to time suggestions are to be taken by the faculty members before starting any facilities and procurement of books in library. Also performance appraisal form filled by the users regularly then analyzed on the basis of 10 point scale.

4.2.11 *List the efforts made towards the infrastructural development of the library in the last four years.*

Renovation and maintenance work has been done.

4.3 *IT Infrastructure*

4.3.1 *Does the university have a comprehensive IT policy with regard to*

Yes, jointly being implemented with the help of out-sourced companies.

- IT Service Management : Yes
- Information Security : Yes
- Network Security : Yes
- Risk Management : Yes
- Software Asset Management : Yes
- Open Source Resources : Yes
- Green Computing : No

4.3.2 *Give details of the university’s computing facilities i.e., hardware and*

software.

- Number of systems with individual configurations
1 server + 11 terminals in 1000 mbps LAN connection
- Computer-student ratio
- Dedicated computing facilities
Yes used for pay roll, results, MP online etc.
- LAN facility
Yes
- Proprietary software
UNIX 5, MS Microsoft, windows XP etc.
- Number of nodes/ computers with internet facility
05 nodes
- Any other (please specify)

4.3.3 *What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?*

Very soon the entire campus will be connected with optical fibre cable and Wi-Fi facilities for the faculty members, research scholars and students.

4.3.4 *Give details on access to on-line teaching and learning resources and other knowledge and information database/packages*

provided to the staff and students for quality teaching, learning and research. Yes all above facilities are available in central library through NMEICT and NKN projects of Govt. of India.

4.3.5 *What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?*

For enhancing student learning and Evaluation University utilizes Virtual class room, Smart class room facilities, e-journals, E- books and through NMEICT and NKN projects of Govt. of India.etc.

4.3.6 *What are the IT facilities available to individual teachers for effective teaching and quality research?*

Each department has their own internet facilities and computers for the teachers for effective teaching and quality research. Very soon the entire campus is being

connected with optical fiber cable and Wi-Fi facilities for the faculty members, research scholars and students.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

Most of the university teaching department has smart class rooms and multimedia projectors for the effective and quality teaching.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

Students are initiated for the Class room seminars by using power point presentation by utilizing internet facilities and library. Some pharmacological based practical are conducted with the help of software.

4.3.9 How are the computers and their accessories maintained?

Computers and their accessories are to be maintain by the individual departments on prior approval of expenditure taken by the university.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes. 1 GBPS line is being used.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Web resources facilities with hyperlinks are available in the university central library and by utilizing internet facilities available in the department

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

Separate annual budgets are allocated for the maintenance of equipments, which covers the computers also.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

Open environment facility for computers are available in all the departments.

4.4 Maintenance of Campus Facilities

4.4.1 Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

University engineering department look after all maintenance of buildings, class-rooms and laboratories. University has an university engineer for this. Recently maintenance of staff quarters, construction of new girls hostel, S. S. in engineering building and New examination hall, Seminar hall in Vagdevi bhavan and first floor extension of institute of Pharmacy have been constructed under the supervision of university engineering department.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

A Budget committee prepares the budget keeping in mind various issues related with infrastructure facilities, services and equipments maintenance. There is a separate head in the University Budget for the infrastructure and equipment maintenance. The Engineering section and USIC look after the maintenance work.

Any other information regarding Infrastructure and Learning Resources which the university would like to include.

Apart from Central Library University's most of School of Studies also have their own departmental library having more than 50000 books and some journals.