

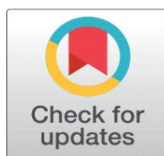
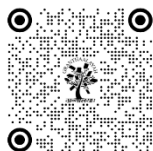
# AN ANALYSIS OF COLLECTION AND ICT BASED SERVICES OF INTEGRAL UNIVERSITY LIBRARY AND AMITY UNIVERSITY LIBRARY, LUCKNOW: A COMPARATIVE STUDY

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## ABSTRACT

The present era is based on Information and communication technologies (ICT). In the last two decades we can see a great improvement in ICT field. University Libraries are using ICT based services to fulfil their users demand timely. ICT has revolutionized the way libraries to operate, enhancing the accessibility, efficiency, and quality of services provided to users. In university libraries, ICT-based services have transformed traditional library functions by integrating digital resources, online catalogues, remote access to databases, institutional repositories, and interactive user services. This paper discusses about the comparative analysis of collection and ICT based services of Integral University library and Amity University Library, Lucknow. The paper focuses on key library infrastructure, its collection and various ICT based services provided by these two libraries. Primary data were collected through structured questionnaires given to the librarian in both institutions, supported by secondary data from institutional reports and on-site observations. The findings reveal that while both universities offer a range of modern library services and fully support research activities. Integral University has highest number of faculty members and highest budget for its library. It has highest collection of books and has best ICT facilities as compared to Amity University Library.

**Keywords:** University library, Private university libraries in Lucknow, Information Communication Technology (ICT), Library services



## 1. INTRODUCTION

At the time of India's independence, there were just 20 universities and 500 colleges with 2.1 lakh students. The UGC Annual Report (2024–2025) states that there are more than 1200 universities in India at present comprising 57 central universities, 508 state universities, 138 deemed institutions, and 508 private universities. The higher education system in India includes both private and public universities. Public universities are supported by the Government of India and the state governments, while private universities are mostly supported by various bodies and societies. Universities in India are recognized by the University Grants Commission (UGC). The University Grants Commission (UGC) came into existence on 28th December, 1953 and became a statutory Organization of the Government of India by an Act of Parliament in 1956, for the coordination, determination and maintenance of standards of teaching, examination and research in university education. As we all know that all Indian universities have to follow the norms set by the University Grants Commission (UGC). As such, this study deals with the Private Universities that are in Lucknow division.

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We know that the Lucknow, the capital of Uttar Pradesh has a total of 14 universities in which 8 are State universities, 1 central university and 5 private universities according to UGC website status as on February 2024. Educational Institutions like Universities, college and library plays an important role in learning, teaching and innovation. It is not only expansion of knowledge but also to provide a platform to develop the human being their skills, competencies and societal needs of the over the world in exponential rate. In this context the library plays a great role to fulfill the thirst of information needs of human beings.

This paper includes profile of two university libraries of Lucknow division and comparative analysis of library collection and ICT facilities of Amity University and Integral University library.

## **2. OBJECTIVES OF THE STUDY**

- To find out profile of Amity University and Integral University.
- To find out collection of Amity University Library and Integral University Library.
- To find out various ICT based facilities in Amity University Library (AUL) and Integral University Library (IUL).

## **3. SCOPE OF THE STUDY**

The present study covers the two private university libraries of Lucknow division, Integral University and Amity University, Lucknow and comparative analysis of library collection and ICT facilities.

## **4. RESEARCH METHODOLOGY**

The data was collected with structured librarian questionnaire from these two libraries. Interview were also held with the librarian. Information was also taken from library web pages, library records, annual reports, ledgers and other official records.

## **5. PROFILE OF TWO PRIVATE UNIVERSITIES OF LUCKNOW DIVISION**

The profile of selected two universities and their central libraries of Lucknow division has given below. Thereafter, a comparative analysis of these two universities, Amity University and Integral University has been prepared and presented in tabular form.

### **5.1. AMITY UNIVERSITY, GOMTI NAGAR, LUCKNOW**

Amity University was established in 2005 by an Act of the State Legislature of Uttar Pradesh. This university is a leading private university of Uttar Pradesh which is situated at Lucknow in Uttar Pradesh. It is recognized by University Grant Commission under section 22 of UGC Act and the university is accredited by NACC. The Amity University campus is spread over across the country in India. Presently the university campus is offering 22 major cities of India like Noida, Greater Noida, Chandigarh, Chennai, Hyderabad, Lucknow, Gwalior, Bangalore, Jaipur, Gurgaon, Mumbai, Raipur, Kolkata, Patna, Ranchi, Ahmadabad, Bhubaneswar, Indore Kochi, Mumbai, Malad, Pune. The University was established in the year 2004 under the Uttar Pradesh Legislative Act passed by the assembly. It is one of the premier universities in the capital of the state, Lucknow. Spread over a huge area. Amity University is a blend of education, training, and research within an academic ambiance. The University offers more than 90 University Grant Commission (U.G.C.) recognized undergraduate and postgraduate academic programs in its seventeen institutions. Having enrolled more than fifty-five hundred students, Amity University Lucknow Campus (A.U.L.C.) felicitates research in diversified areas like Nanotechnology, Biotechnology, Electronics, Agriculture, Forensic Sciences & many others. Accredited as premier university status by ASIC, U.K., Amity University Lucknow is facilitated by over 800 distinguished faculties and scientists. Offering multidisciplinary research centers within the campus for the skill enhancement of students.

## 5.2. AMITY UNIVERSITY LIBRARY

The central library of Amity University was established in 2005 at Lucknow, Uttar Pradesh. Amity University maintains a central library built-in state of art fashion and serves as the knowledge hub for all the Students, Research Scholars, Faculties, and other staff members. It is well-stocked and well-maintained with the latest books, periodicals, references, national and international journals, covering all aspects of academic disciplines and research domains. In addition to print, it also maintains an exhaustive collection of e-resources. The central library has a reading area, meeting areas in the form of closed cubicles, computer nodes for accessing electronic resources, printers, and copying facilities. The library is well equipped with an uninterrupted power supply, and the whole premise is centrally air-conditioned for comfort. The central library stocks a vast repository of printed books, journals and magazine.

The library facilitates its patrons with electronic resources through online access and provides download facilities to its various titles. The university library is equipped with around 40 computer nodes, which are sufficient for the demand of computer nodes. Also, access to electronic resources is granted within the library premises over the fully Wi-Fi enabled campus. Through its optical fiber networking, Amity University, Lucknow connects all of its departments and centers with the central library's electronic repositories. It provides access to students and teaching staff. Besides the library portal and in-house access, University provides a dedicated portal named Amizone for all students and teachers, which facilitates all academic activities and tracking processes. Through the Amizone portal, the students and teachers can access the digital library, which is quite rich and broad. Amity University provides access to electronic resources for students and teachers since the year 2004 and has been able to allocate as significant budget for this purpose.

Library at Amity University Lucknow consist of Reference section, Circulation section, Periodical section, Conference room, Meeting room, Carrels, Group Discussion rooms, Audio Visual rooms, Cubicles and internet surfing terminal. The library is open to from 9.00 A.M. till 8.00. P.M. and on Sunday 8.00A.M till 4.00 P.M., National holiday closed.



**AMITY UNIVERSITY LIBRARY, LUCKNOW**

**Table 1** Amity University Lucknow Library Collection

1	Books	70000
2	Print Journals	62
3	E-Journals	8079
4	Thesis/Dissertations	600
5	Magazines	10
6	Newspapers	9
7	CD ROM	600

**Table 2** Online Resources subscribed by the library

1	EBSCO
2	ACM Digital Library
3	Cambridge University Press
4	Royal Society of Chemistry
5	American Institute of Physics
6	Legal database (Manupatra, SSC Online)

7	IEEE
8	Oxford University Press
9	Institute of Physics
10	Taylor and Francis
11	DELNET and American Library
12	Amizone: 95,470 Periodicals / Journals
13	E-Books-11,389 Delnet (except Amizone)
14	DELNET (Developing Library Network) : 1,854,070 E-Books/Periodicals/Journals/Articles
15	Journals- 8,079 Delnet (except Amizone)

**Table 3** Sections of the Amity University Library

1	Acquisition section
2	Technical section
3	Circulation section
4	Reference section
5	Thesis & Dissertation section
6	Reserve and Prescribed books section
7	Oriental section
8	Digital Resource section
9	Periodicals section

### 5.3. INTEGRAL UNIVERSITY, DASOULI, KURSI ROAD, LUCKNOW

Integral University is a renowned university in Lucknow, Uttar Pradesh, and a center of academic excellence, established in 1998 as Integral Institute of Technology and in 2004 this Institute as university by the government of Uttar Pradesh with Act Number 9 of 2004. The Medical Council of India, Pharmacy Council of India, Indian Nursing Council, Council of Architecture, Bar Council of India, Indian Association of Physiotherapists, National Council for Teacher Education, UP State Medical Faculty, ICAR and the University Grants Commission (UGC) have all duly approved the university in accordance with sections 2(f) and 12B of the UGC Act, 1956. The university played an important role Quality based education, teaching, learning and research for not only minority community but also entire community of the country. The university is offered number of courses in various subjects like wise Art, Science, Humanities, computer science, Information technology, Pharmacy, management studies and so on. Presently the university has 11 faculties, 28 departments and 2 schools are existence in the campus. The Integral University is residential university which has boys and girls hostel and other accommodations are available for teaching and non-teaching staff. More than fifteen thousand students are enrolled here in various courses. Various department of this university has good IIRF ranking.

#### About the Integral University Central Library:

The Integral University library is one of the largest library among all private University libraries at Lucknow which has a very vast collection of documents. The library has holdings in various subjects likewise science, technology, social science, engineering, computer science, management, biotechnology, medical science and allied and so on. The integral central library is open to all teachers, non-teaching staff, researchers as well as students. The library has well qualified 25 professional library staff. The central library of this university existence in five storied building. Library is two floors of this multi-story building. Total area of the library 4000 Sq. Mts and total seating capacity is of 550 students. The library is members of various consortium likewise INDEST-AICTE consortium, UGC INFONET consortium. The Integral Central library is open to all users from 9 AM to 8.00 P.M. on all working days, holiday closed.

**INTEGRAL UNIVERSITY LIBRARY LUCKNOW**

**Table 4** Integral University Lucknow, Library Collection

1	Books	133660
2	Print Journals	323
3	E-Journals	10000
4	Thesis/Dissertations	3100
5	Magazines	17
6	Newspapers	17
7	CD ROM	3800

**Table 5** Online Resources subscribed by the Integral University library

<b>Online Resources</b>	
1	Springer Link17000 Collection
2	EBSCO (5800+e-Books
3	EBSCO Host
4	ASTM Digital Library
5	SCOPUS
6	IEEE ASPP Online
7	DELNET Services
8	MANUPATRA
9	Oxford University Press ESS Collection-262 titles
10	J Gate Next
11	Springer Link 1700 Collection and Nature Journal
12	eBook Academic Collection (EBSCOhost)
13	EBSCO Host BSE (Business Source Elite)
14	Online Version of Subscribed Print Journals
15	Institute for Studies in Industrial Development (ISID) Database
16	Predatory Journal Checker
17	E-dictionaries
18	E Encyclopedia
19	E -Repositories
20	E-Thesis & Dissertations
21	World eBook Library
<b>E-Journal Subscribed (Open Access)</b>	
1	Open Access Journals in Educational Technology
2	Open Access Journals Search Engine (OAJSE)
3	IEI Journal
4	NISCAIR
5	Medknow Publication
6	Indian Academy of Sciences
7	Indian Council of Medical Research
8	Science Direct View
9	Directory of Open Access Journals
<b>E-Book Subscribed</b>	
1	Directory of Open Access Book
2	NCERT Text Books
3	Online Books
4	Open-Source Books
5	Baen E-books
6	Google Books
7	Project Gutenberg
8	INTECH Open Science
9	World E-book library



**Table 6** Sections of the Library

1	Acquisition section
2	Technical section
3	Circulation section
4	Reference section
5	Thesis & Dissertation section
6	Reserve and Prescribed books section
7	Oriental section
8	Digital Resource section
9	Periodicals section

**Library Facilities**

- Orientation Program for newly admitted students
- Training in Accessing E-Resources
- Wi-Fi Facilities
- Ask A librarian Service through WhatsApp & Email
- User Orientation/Information Literacy Program
- CCTV Surveillance
- Old Question papers

With the help of optical fibre, intranet, and Wi-Fi techniques, Integral University has well connected all its departments to the central library to access electronic resources. The library has well-established power facilities and other amenities for comfortable and uninterrupted service.

Integral University has adopted electronic resources and services for its patrons in the year 2008. Since then, the University is investing heavily in the acquisition of e-resources and enriching its collection. The University spends more than one crore annually for this purpose.

**6. COMPARATIVE ANALYSIS OF TWO UNIVERSITIES AND THEIR LIBRARIES****Comparative Profile of two Universities:**

The complete profile of these two universities under study is given in table 7.

Table-7, It indicates that Integral University has maximum number of departments, students and faculty members as compared to Amity University. It has bigger area as compared to Amity University. Integral University has enrollment of about 15000 students as compared to Amity University has around 5500 students. Integral University has NAAC A+ Accreditation whereas Amity University Lucknow has also NAAC A+ Accreditation.

**Table 7:** Comparative profile of Integral University and Amity University

Name of University	Integral University	Amity University
Website address	<a href="http://www.iul.ac.in">www.iul.ac.in</a>	<a href="https://www.amity.edu/lucknow">https://www.amity.edu/lucknow</a>
Year of establishment	1998	2004
Departments and Institutes	28 depts and 256 programs	17 Institutes 87 Programs
Faculty members	750 (approx.)	270 (approx.)
NAAC Grade	A+	A+

## 6.1. COMPARATIVE PROFILE OF LIBRARIES OF INTEGRAL UNIVERSITY AND AMITY UNIVERSITY LUCKNOW

**Table 8** Comparative profile of Integral University Library and Amity University Library (as on March 2025)

Name of the University	Integral University	Amity University
Library name	Central Library	Central library
Library Website Address	<a href="https://library.iul.ac.in/">https://library.iul.ac.in/</a>	<a href="https://www.amity.edu/lucknow/library">https://www.amity.edu/lucknow/library</a>
Year of establishment	1998	2004
Sitting Capacity	550	400
Books	1.4 lakhs (approx.)	70000 (approx.)
Current Periodicals	323	62
Current magazines	17	10
Current Newspapers	17	8
Thesis and dissertations	3100	1200
Professional Library staff	25	13
Library annual budget (in Rs)	2 crore 25 lakhs (approx.)	80 lakhs (approx.)
Year of ICT introduced	2004	2010
Library software used	KOHA	KOHA
Personal computers	60	40
E Books	2 lakhs +	1 lakhs+
E journals	subscribed	subscribed
Online resources/ database	subscribed	subscribed

Table-8, It indicates that the Integral University library (IUL) is the biggest in every respect as compared to Amity University Library (AUL). IUL was established in year 1998 and ICT was introduced in year 2004, it used Koha software. Whereas in Amity University, it was established in year 2004 and ICT was introduced in year 2010. It also uses Koha software. Both University Libraries are well designed and have good reading environment for its users. IUL library has around 1.4 lakh of books and has sitting capacity of 550 students whereas AUL has around 70000 books and a sitting capacity of 400 students. IUL has subscribed more than 300 current journals and 17 magazines, whereas AUL has subscribed around 62 Journals and 10 magazines. IUL annual budget is about 2 crore 25 lakhs whereas AUL annual budget is 80 lakhs. IUL has subscribed a large number of online resources for its users as compared to AUL has purchased a lesser number of e resources according to the data available on their webpage. Both libraries are computerized, having good and having comfort furniture and best favorable studying rooms for their users.

**Table 9** A comparative analysis of ICT based library services in two universities Integral University and Amity University, Lucknow

ICT based Library services	Integral University	Amity University
OPAC	yes	yes
WEB OPAC	yes	yes
Access to e resources	yes	yes
Access to e books	yes	yes
CDROM service	yes	no
Reprographic service	yes	yes
CAS/SDI	yes	yes

Online databases	yes	yes
Institutional Repositories	yes	no
RFID	no	no
Email alerts	yes	yes
Social media platforms	yes	yes
SMS alerts	yes	yes
Document delivery service	yes	yes
Video Conferencing facility	yes	yes
Digital Library	yes	no
Ask a Librarian	yes	no
Online tutorials, webinars and workshops	yes	no
Digital Resource Centre	yes	yes
Plagiarism service	yes	yes

Table-9, It indicates that Integral University Library (IUL) and Amity University libraries (AUL) are providing ICT based services to its users. Both are providing OPAC and Web OPAC services. Amity University library online services are available in campus only through LAN only and not outside university Campus. Whereas Integral University library online services are accessible online anytime anywhere through internet. Good number of E resources and E books are available round O clock from Integral University library web page. Amity University library is not providing this service. IP based campus wide access to online journals and e-books are available through E-Shodhsindhu Digital Library Consortium as well as other leading international publishers. If we see over all ICT based library services, Integral University is providing mostly all kinds of services to its enrolled users. Both universities are not providing RFID facility. IUL is providing institutional repository service whereas AUL is not providing such service. IUL is spending a huge amount on ICT based services to keep its users updated online with latest information. A good number of PCs are dedicated exclusively to the users for online public access catalogue (OPAC) in both libraries.

## 7. FINDINGS

Both the Libraries of Integral University and Amity University are well developed, having good collection of books, journals, e-books, e-resources, e journals, a well-established Central Library with all amenities, computer systems to fulfil its user's demand. More or less these universities are providing ICT based services. Integral ICT based library services are far much better and has a very rich collection of digital resources.

Based on the above study it was found that both the institutions, Integral University library and Amity University Library are using ICT based services for its user community. Both libraries are fully automated. Koha library software is being used there. Integral University Library web page is more informative and provides more ICT based information and fulfils users need to a great extent. Whereas Amity University library is not providing such information through its web page. The Integral University Central Library took a pioneering initiative and developed Lecture Capturing System (LCS). It is useful to record video lectures, make audio-visual presentations, PPT presentation along with writing by using the stylus on running PPT or on a virtual whiteboard or on a browser etc.

## 8. CONCLUSION

This study provided that ICT based services are very important in university libraries to fulfil its users growing demand of right information at right time to the right person. Day by day libraries are adopting ICT based services to help their user community and saving their precious time and money. By using ICTs, libraries are performing their services more efficiently and timely. Implementation of ICT to library operation is a complex and continuous process. It



requires proper planning and huge investment of financial as well as human resource. User want to access information in less possible time and in minimum efforts. ICT has become a powerful tool these days in the routine management of library operations and services thus saving time as well as efforts in delivery of information to the right users.

## CONFLICT OF INTERESTS

None.

## ACKNOWLEDGMENTS

None.

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