



Application of Electronic Resource Management (ERM) to E- Journals: The IUCAA library experience

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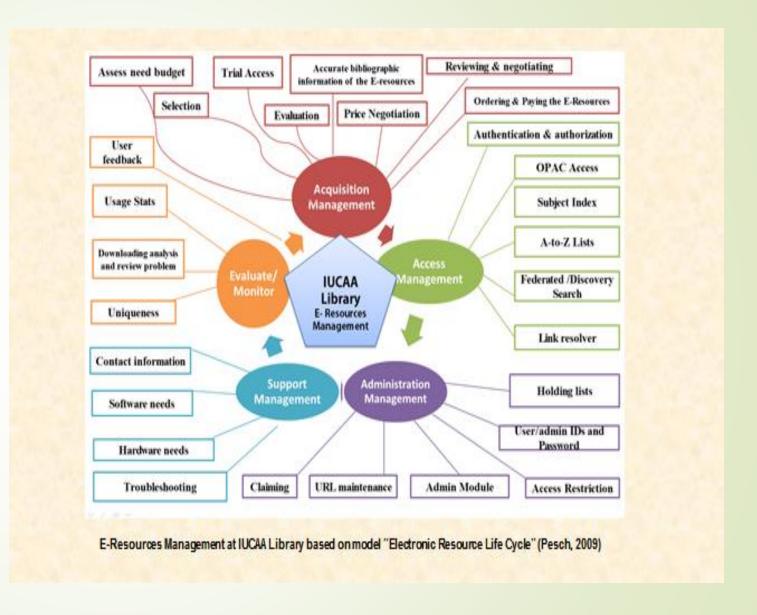
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Abstract

- Present the experience of application of ERM to e Journals in the IUCAA library through the five facets namely Acquisition, Access, Administration, Support and Evaluation & Monitor Management with modified Pecsh's E-Resource Life cycle.
- Also attempts to evaluate the usage pattern of electronic resources subscribed by the IUCAA library, Pune, and e-resources made available under the E Shodh Sindhu program,
 - Where the user community takes the opportunities to make the best use of e-resources provided by the ibrary.



Outline of the Presentation

- Introduction
- About IUCAA
- IUCAA Library, its infrastructures, Collections & Services
- Purpose, Scope and limitations of the Study
- ERM & its five components with its implication in IUCAA Library
- Usage Statistics of E-Journals/E-Resources
- Users feedback
- Role of Librarian in the E-Resources Management
- Summery and References used in the study

Introduction:

Importance of E- Resources Management in the Library





Inter-University Centre for Astronomy and Astrophysics, Pune, India

- About IUCAA in brief
- Mission
- Organization

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IUCAA Library Facilities

- Circulations & Access of E-Resources
- Study Carrels
- A/C Reading Zone with WiFi
- Space for Discussion
- Xerox and Printing facilities

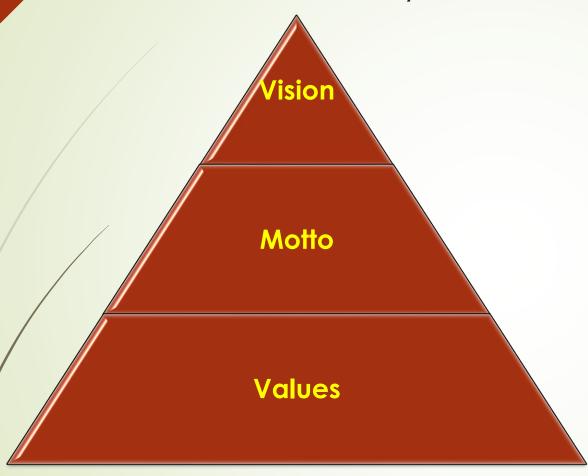








At IUCAA Library



- Integrity
- Relationship
- Team Work
- Dedication

Excellent permanent facility for scientists and technologist to enhance reading and study culture for R&D

IUCAA Library: Collections & Infrastructures

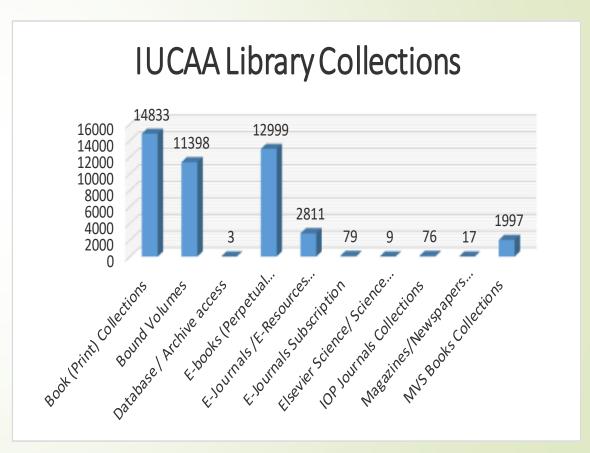
Library Automation & its Infrastructure

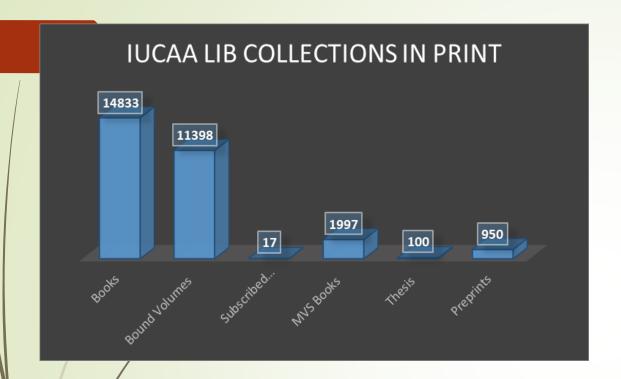
- Total Automation with help of SLIM 21 Integrated Library Management Software
- Bar-coding of all publications for fast and accurate transactions and stock verification
- Digitization Project as created Institutional Repository of inhouse collections as IUCAA Preprints, Annual Report, Khagol: Newsletter Using Dspace
- In-house publications made available online with help Open Journal System.

Library Infrastructure

- Desktops 23 Nos.
- HP Servers 2 Nos, Scanner 2 Document scanners, 1
- 1 Canon IR-ADV4025Photocopier integrated network printer and scanner

IUCAA Library Collections







Bibliographic access through SLIM21

Full text access through DSpace

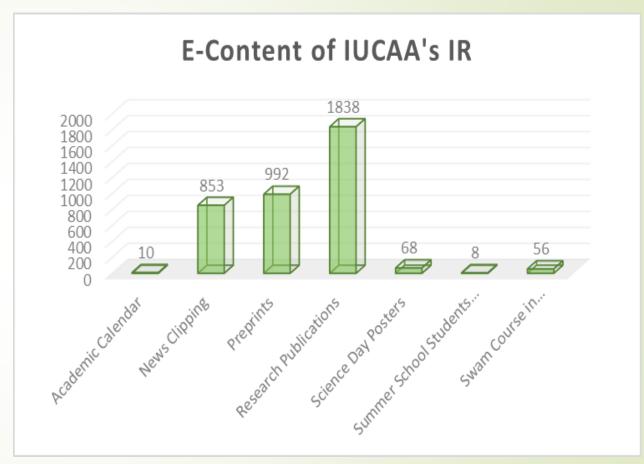


In-house Digitization of entire
Annual Reports & Khagol Newsletter
collection from Volumes



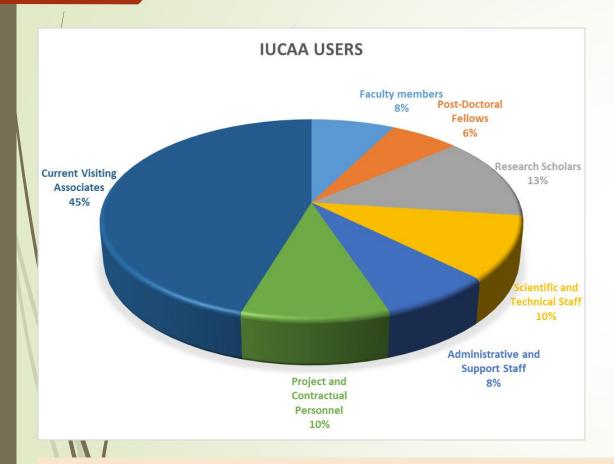
Institutional Repository of IUCAA

- Collective Intellectual Property
- Technical Reports
- Annual Reports
- Conference Proceedings
- IUCAA's Preprints / Reprints
- In-House Publications/ Newsletters
 - Personal Intellectual Property
- Conference Papers by IUCAA scientists
- Articles for Journals
- Thesis and Dissertations
- Lectures Presentations PPTs
- Student PhD Theses & Dissertation
- collections of online lectures via zoom platform available via IUCAA YOUTUBE channel
 - IUCAA Related Material
- Guest lectures at IUCAA functions
- Photos/videos of IUCAA's events
- Posters/Presentations of IUCAA
- Seminars and Workshops



Total IUCAA's IR collections is 4106

IUCAA Users & Services



Library Services: Both in-house & Off campus

- Provide online access of E-Resources via IP access for inhouse campus and via Ezproxy to off campus access
- Creating awareness about ADS
- Content page service.
- Reference service.
- Article requests.
- Document delivery through Interlibrary loan
- Newspaper clipping service through blog.
- Maintain The library YouTube Channel: 206 lectures videos by faculties – uploaded till March 2020, Its subscriber base 3853 with 79362 views
- Plagiarism report using Urkund for research papers
- Assisted Visitors Services in the compilation of the research write up & publications by Visiting Associates

Objectives of the Study

- To provide an overview of perspectives of ERM and offering its practical aspects along with the experience of IUCAA library's e- resources management with significant five facets called Acquisition, Access, Administration, Support, Evaluation Management with modified Pecsh's E-Resource Life cycle.
- To evaluate the usage pattern of e-resources made available users by the IUCAA library
- Finally, highlighted the role and responsibility of librarians to ERM to give the best e-services to its users.

Scope & Limitations of the Study

Scope and limitation of this study is the application of the ERM components in the process to the manage the e-journals being subscribed y library and access being oyided by e-Shodhshindu, RD, Govt. of India.

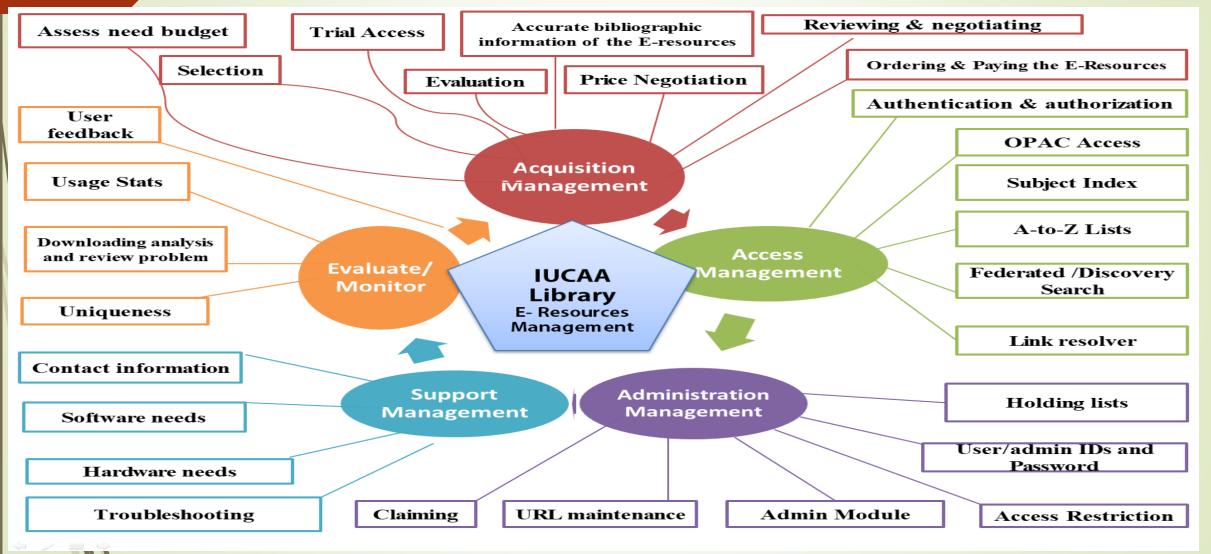


NUCAA Library also has collections of total 12999 e-books from different publishers

Electronic Resources Management (ERM): What and Why?

- Managing ER is different that of the traditional library collection.
- ERM includes proper planning, acquisition, subscription, organization preservation and access to e-resources/contents.
- ERM is the continue process that caters to the need for evaluation, selection, acquisition, renewal/cancellation, license agreements, access rights, usage statistics, single access point, copy right, implementation, and administration of E-resources.

E-Resources Management at IUCAA Library based on model "Electronic Resource Life Cycle" (Pesch, 2009)



Work flow of Acquisition Management of E-Journals

Access Need Budget

Make a provision in yearly budget for E-Journals

Ordering & paying for E-resources

After all procedure, make a final payment to party for selected e-journals

Reviewing & Price negotiation

Review the whole procedure for make it final

Price Negotiation

Start for price negotiation with publishers for selected contents

Accurate Information of the E-Resources

Get full details of e-journals from Publisher/Aggregators

Selection

Make selection based on requirement from Users

Trial Access

Make a request to publisher to allow trial access by users for to make final decision to subscribe it

Evaluation

Acquisition

Management

Evaluate & verify the selected e-contents

Work flow of Access Management of E-Journals

Authentication and Authorisation

Of subscribed E-Journals to cater user needs based on their digital device

Link resolver
Keep reviewing links of e- journals & resolve if any link issue

Access Management

OPAC Access

Make sure link newly added e-journals in the OPAC access

Integrated in Federated/Discovery
Search

For one window search

Subject Index

Made available subject wise list to ejournals

A to Z List

Make proper A to Z list of all e-journals & link with library homepage

Work flow of Administration Management of E-Journals

Holding list

Make proper holding list of all e-resources of library & link it with library homepage for easy users access

Claiming

Make claims to publisher if any access issues, etc.

URL maintenance

Keep reviewing URL links of ejournals & resolve if any link issue

Administration Management

User/admin IDs and Password

Make online access provision with Institute's IP address based OR create & assign ID/PW for authorized users if required

Access Restriction

Let's user know if access restriction from publisher side for un-authorised users

Admin Module

Request or make admin module to control of all Authentication and Authorisation of e-journals

Work flow of Support Management of E-Journals

Contact Information

Make proper database for all contact details of publishers of e-journals for easy and timely contact with publisher

Troubleshooting
Solve troubleshooting issues if
any



Software needs
Subscribed additional software if required for easy access, etc

Hardware needs

Make arrangement for all required additional hardware/various devices in the library for users for easy access of e-journals

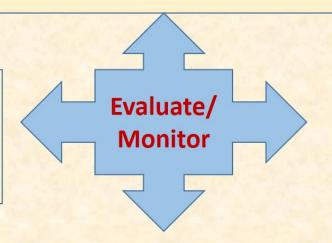
Work flow of Evaluate/Monitor of E-Journals

User feedback

Take feedback from the users/library committee members for evaluation and renewal / cancellation of e-resources on yearly basis

Uniqueness

E-resources can be evaluated by comparing duplication in various formats such as individual journals titles in publishers' package generally cannot be cancelled because the title duplicated in aggregator database



Usage Stats

Collect usage statistics on monthly/yearly basis to decide further renewal/cancellation, if any by authorities

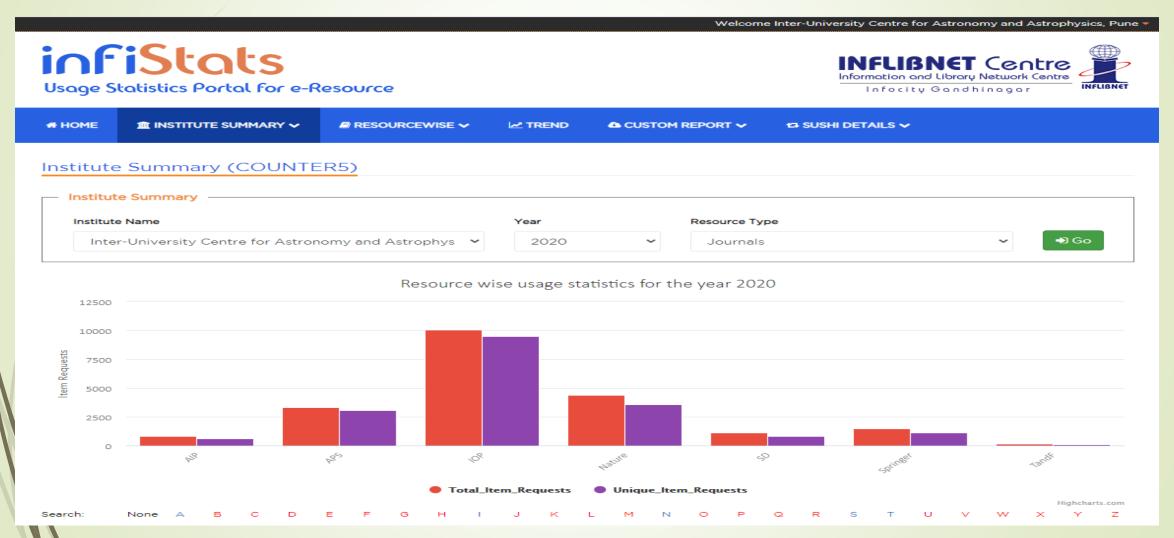
Downloading analysis and review problem

Keep regular watch on history of downtime with the reason and review problems unless robotic downloading

Overall E-Journals Usage of IUCAA from 2012 to 2019

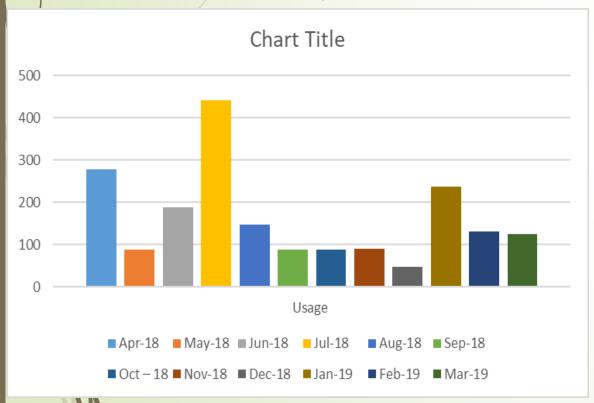
Welcome Inter-University Centre for Astronomy and Astrophysics, Pune **infiStats** INFLIBNET Centre Information and Library Network Centre Usage Statistics Portal for e-Resource Infocity Gandhinagar **# HOME ★ INSTITUTE SUMMARY** ■ RESOURCEWISE <</p> **∠** TREND **△** CUSTOM REPORT ✓ 13 SUSHI DETAILS V e-Resource Usages Update Status (COUNTER 5) e-Resources usage from 2012 to 2019 Click the columns to view Monthwise. 40k 31613 27291 26936 Total no. of downloads 24190 23457 20784 18241 17616 10k 2012 2013 2014 2015 2016 2017 2018 2019 Highcharts.com

E-Journals: Usage Statistics (2020)

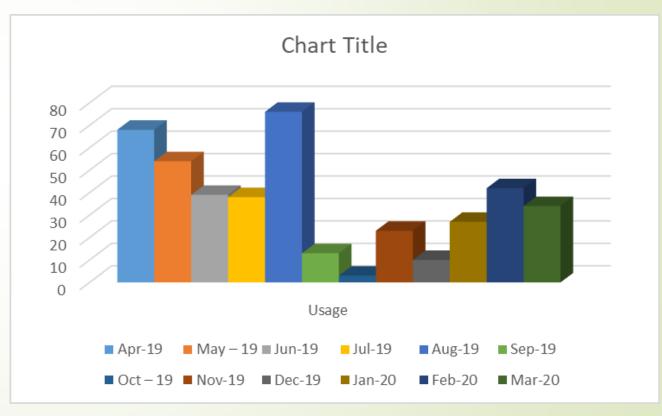


The EZproxy access and authentication software has been deployed by the library to facilitate off-campus access

Ezproxy access usage during April 01, 2018 to March 31, 2019



Ezproxy access usage during April 01, 2019 to March 31, 2020



Conditions of Use and Licensing Restrictions for Electronic Resources

- The terms and conditions for using E-resources
- Does not breach the terms and conditions

Licenses vary from publisher to publisher

What happens if the License is violated?

- Publishers keep tracks
- Misuse, if any, is notified to the subscribing Institutions.
- The publisher also stopped access/ suspends the access to eresource if any misuse
- Moreover, the access is suspended not only for the individual violator but for the entire institution.

Users Feedback

IUCAA Library use to take feedback from the users/library committee members for evaluation and renewal / cancellation of eresources on yearly basis.

Role of Librarian in E-Resource Management:

- Peggy Johnson in her third edition of "Fundamentals of collection development and management" second chapter she listed the responsibilities as a typical assignment that include for librarian are as follows;
- 1) Coordinating the overall activities of Electronic Resources Management
- 2) Negotiating with publishers for subscription and its licenses terms and conditions
- 3) Administering new and existing licenses for electronic products and maintain its records
- Applying knowledge of copyright and intellectual property principles to ensure that library users' rights are protected
- Working closely with library staff to identify, select, and acquire new e-resources, assess needs of the user community, and adjust resources to fit these needs and to ensure that e-resources are atalogued as appropriate
- 6) Monitoring vendor services and performing vendor evaluations
- 7) Compiling and analysing electronic resource usage statistics and keep tract URL updates.

Summery:

- The talk has been presented in the form of case study of overview of perspectives of e-resource management.
- This talk also has attempted to evaluate the usage pattern of electronic resources subscribed by the IUCAA library and access made available under the ESS program.
- where the user community takes the opportunities to make the best use of e-resources provided by the library.
- Finally, this article enlists the role and responsibility of librarians in ERM to give the best e-services to its esteem users.

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- Peggy Johnson, Peggy (2018). Fundamentals of collection development and management https://www.alastore.ala.org/content/fundamentals-collection-development-and-management-fourth-edition.
- ► The IUCAA Library Homepage: https://www.iucaa.in/~library



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