

1. Researchers Manual

Registration

The Shodh-Chakra helps higher education institutes to manage entire lifecycle of the researcher scholars starting from registration for the Ph.D programme to thesis submission. All the stuffs that are expected by a research scholar during the research journey are embedded into a single dashboard.

Step 1: Register: At the outset, researchers have to register themselves by entering basic details such as First Name, Last Name Email Address, Mobile, University, Department, etc. **Enter the Captcha text** and click on **Register**.



Figure 1: Registration Form

Step 2: Login: After filling these details, you will receive an email and with the help of username and one time password you may login and reset the password, by clicking on the change password option. There are two types of credentials, the first one will be provided by the university and the second one is self-registration by the research scholar; the concerned university will approve and verify your registration in case it is registered by the research scholar. As soon as it is verified by the university, you can login to the portal.

SHOP DH CHAKRA A Gateway to Researchers for Resources

(INTRODUCTION

Research is a systematic investigation of a problem or question. The process of research implies various components in accordance with appropriate research methodology based on the type of research problem or question. It is a continuous process to bring societal changes and ease the life of human being. Research allows researchers to pursue their career in their area of interest. There are 940+ universities in India. Each of these universities are involved in teaching and research in variety of disciplines. Managing and monitoring research activity is a time-consuming task that requires lot of efforts to aggregate various information at one platform. It is a need of an hour to manage research activity with the use of latest tools and techniques to complete the research work within the stipulated timeframe.

(ABOUT)-

ShodhChakra is a unique initiative of Information and Library Network (INFLIBENT) Centre to help the academic community during their research life cycle. ShodhChakra provides a unique space to the researchery, guide/supervisor and university to manage research lifecycle of research scholar. The ShodhCharka will work as a digital workspace wherein researchers can collect, store, organize and cite their research work. The ShodhChakra would help researchers to create their profile and manage their preferences. The process of using the portal starts with signing an MoU with INFLIBNET Centre. The university/institute has to provide valid information of researcher and supervisor. The institutes would be able to check and verify details of registered researchers. The system will generate login credentials to researchers, supervisor and university.

	LOGIN		
🎓 Researcher	🏛 Institute	🛢 Guide	
sachin@inflibnet.ac.i	n		
			۵
227	539		
Enter Captcha:			
227539			9
I forgot my password			Sign In Registration

Figure 2: Sign in Page

Enter the email address, password and Enter the Captcha text and click on Sign In.

Step 3: After Login: After successful login to the portal, the system will display researcher's dashboard as shown in the figure 3 below. The dashboard will help researchers to setup the research profile by entering research topic, synopsis, scholarship, keywords, etc. The dashboard shows entire workflow of your research starting from literature gathering to the thesis submission. Researchers can search literature from Shodhganga, Crossref and other open access resources that are embedded with the Shodh-Chakra. The portal provides knowledge resources with pre-recorded videos on different topics that includes research ethics, literature review, reference management, scientific/academic writings, and plagiarism. Resource aggregation will help researchers to identify the relevant resources and publications menu will help researchers to find out appropriate journal, conference, and seminar in his/her research. The reference management menu will help researcher to create references in the format of choice. The Zotero reference management tool is integrated with the portal that helps researchers to generate bibliography and references in selected citation style. The thesis submission menu will help researcher to submit the thesis. On the left bottom side of the page, researchers can have their own my research space where they can have small personalized my library allowing them to store resources in drive and mark the favourite resources. Researchers can also interact with Guide directly from this portal.

SHORE I HARMEN		(An Inte	An initiative by INFLBNET Centre -University Centre of UGC)		
DASHBOARD: SACHIN MALI (S-CHAKRA-2021-01)		YOUR PROFILE IS	VERIFIED BY INSTITUTE ABOUT SHODH-CHAKRA		
A GATEWAY TO RESEARCHERS FOR RESOURCES	PROFILE		ASSISTANCE FOR LITERATURE		
refit	Profile	Topic / Title & Synopsis	work Shedh		
	Scholarship / Fellowship	ک Keyword & Metadata	exception of the second of the		
		KNOWLEDGE RESOURCES			
MyLibary	Research Ethics	Literature Rev	iew		
	Reference Management System	Scientific/Aca Writing	Scientific/Academic Writing		
	Plagiarism				
And a standard	RESOURCE AGGREGATION		PUBLICATIONS workshop.conference)		
	Resource	Journals/V Conference	Vorkshop/ es		
MYLIBRARY	REFERENCE MANAGEMENT		THESIS SUBMISSION		
Drive Fax, Resource Guide Internation	Reference Management	Thesis Sub	mission		
A Gateway to Researchers for Resources					

Figure 3: Researchers' Dashboard

A. Profile Creation

The purpose of setting-up researchers' profile is to store research related information and provide suggestion on literature search and allied areas of research. After clicking to the profile, researcher have to fill up the First name, Last name, Email address, Mobile no., Date of admission, gender, upload photo, insert address and click on submit button to save the data.

SACHIN MALI (S-CHAKRA-2021-01) (RESEARCH	SACHIN MALI (S-CHAKRA-2021-01) (RESEARCH AND DEVELOPMENT - INFLIBNET)							
	10	0%						
Profile Topic / Title Synopsis Scholarship / Fellowship	Keywords & Metadata Course Work Add Objective		Dashboard					
PROFILE								
First Name *	Last Name *	Email *	Mobile *					
Sachin	Mali	sachin@inflibnet.ac.in	9510102784					
Date of Admission*	Gender *	Photo						
26-04-2021	Male 🗸	Choose File No file chosen						
		view						
ADDRESS								
Address Line 1 *	Address Line 2*	City *	State *					
Meghaninagar	Ahmedabad	Ahmedabad	GUJARAT 🗸					
Pincode *								
380016								
· · · · · · · · · · · · · · · · · · ·								
Submit								
Subline								

Figure 4: Profile Creation

Topic: Researcher will be able to select/enter title/topic of research and enter co- guide details. The research scholar will also be able to store ORCID ID and Researcher ID in the profile section as shown in the figure 5 below.

Profile Topic/Title Synopsis Schol	arship / Fellowship	Keywords & Metadata Cours	se Work Add Objective	100 %			Dashboard
TOPIC / TITLE		Date of Registration *		Registration Number *			
Security		01-04-2021		test234234		PHD Type *	
GUIDE DETAILS				CO-GUIDE DETAILS			
University *		iuide *		University		Guide	
INFLIBNET	~	Abhishek kumar	¥ 🔍	INFLIBNET	٠	-Select-	~
RESEARCHER ACADEMIC IDENTITY							
Researcher Academic Identity	10		Remove				
ORCID	~	0000-0001-9081-1998					
Researcher ID	~	RE2131	×				
		WEEL JA					
Submit							
Synopsis: Reseand the approved.	rcher h	ave to uplo	oad synops	is of the researc	ch work.	It may be a	
A Gateway to Researchers for Resources						INFLIBNET Co (An Inter-University Centre of I	
SACHIN MALI (S-CHAKRA-2021-01) (RESEARCH	ND DEVELOPMENT - I	NFLIBNET)				
				100.07			
Profile Topic / Title Symopsis Scho	larship / Fellowship	Keywords & Metadata Cours	se Work Add Objective	100%			Dashboard
SYNOPSIS							
		Constantin American Mint A					
Synopsis * Choose File No file chosen		Synopsis Approve/Not Approve Not Approved	r .				
		nochpprorcu					
Submit							

Figure 6: Synopsis of Research

Scholarship & Fellowship: The research scholar can record details of fellowship/scholarship received for the research work. These details are verified by the university and therefore, it will be locked after submitting the data and will be edited by only university administrator. The

system shows YES and NO options, if researcher selects yes, then few more fields will be displayed. As soon as these details are filled, click on submit button.

SACHIN	SACHIN MALI (S-CHAKRA-2021-01) (RESEARCH AND DEVELOPMENT - INFLIBNET)												
							100.96						
Profile	Topic / Title	Synopsis	Scholarship / Fellowship	Keywords & Metadata	Course Work	Add Objective						Dashb	oard
SCHOLA	RSHIP / FEL	LOWSHIP											
Whether y No	ou have got sch	nolarship?*	¥										

Figure 7: Information about Scholarship/Fellowship

Keywords & Metadata: The Keywords and metadata tab will help researcher to select category of subject and appropriate keywords for the research work. The system will fetch relevant literature from different resources that are integrated in the portal and prompted on the dashboard.

		100%	
Profile Topic / Title Synopsis Scholarship	p / Fellowship Keywords & Metadata Course Work	Add Objective	Dashboard
KEYWORDS & METADATA			
Category *	Category 1 *	Category 2*	Keyword
Computer science, information & general works	✓ Computer science, knowledge & systems	✓ Computer science, information & general works ✓	Security Test
Keywords			
Subject *	Note: It will help to fetch full text thesis for research	chers	
× Biotechnology × Botany			
Submit			

Figure 8: Keywords and Metadata

Course Work: The coursework tab under the profile section will help research scholars and university to keep the track of course work related information as shown in the figure 9 below.

SACHIN	MALI (S-CH	AKRA-20	21-01) (RESE	ARCH	AND DEVELOPME	NT - INFLIBI	NET)				
									_		
							100	9%			
Profile	Topic / Title	Synopsis	Scholarship / Fe	llowship	Keywords & Metadata	Course Work	Add Obje	ective			Dashboard
COURSE	WORK										
Current Sta	atus *			Start	Date			End Date			
Complet	ed		¥	01-0	04-2021			20-04-2021			
Remarks *											
Test											
											h

Figure 9: Coursework Related

Add Objectives: The objective section under profile management will help researcher and guide to keep track of the completion of research work and set forth the target of the research work. Researcher can select name of the guide and the progress of the objective can be reported using this section.

	. 1			1. A.			_	2			
SACHIN	MALI (S-CH	AKRA-202	21-01) (RESEARCH	AND DEVELOPMEN	IT - INFLIBI	NET)					
_											
						100 %					
Profile	Topic / Title	Synopsis	Scholarship / Fellowship	Keywords & Metadata	Course Work	Add Objective					Dashboard
ADD OB. Guide *	JECTIVE			~							
#		Objective			Prog	ress	Remarks				
Submit											

Figure 10: Research Objectives

B. Assistance for Literature Work: Shodhganga

Shodhganga is an open access repository of theses submitted to Indian universities. Researcher can use this repository for variety of purpose from checking uniqueness of the research work to referring relevant thesis in the area of current research work. Shodhganga contains lakhs of records of thesis submitted to the academic institutes across the country.

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Shodhganga Data : The system will correspond with the live Shodhganga database and results will be displayed on the screen as shown in the figure 11 below. Research scholar may choose the relevant one and click on 'Add to Favourite' button to store in the resource under 'My Library'. Researchers may click on 'View' button to read the full text of selected thesis. Researcher would be able to annotate from the result page itself by clicking on button 'Add with Annotation'. This feature will help researchers to create on the fly annotations for further use.

SH ^(P) DH CHAKRA A Leteny to Respecter for Respecter			An initiative by INFLIDRET Centre (An Inter-University Centre of UGC)
ASSISTANCE FOR LITERATURE W	ORK		
My Favourite Shodhganga Data			Dashboard
Al	~	thesaurus	Search
Search by: All thesaurus			Rest
SUBJECT		Showing 1 to 8 of 8 Records:	1.74 Second
Computer science	0		
Library Science	0	Title: - Granthalay ane mahiti vigyanno Gujarati paryayvachi shbdixosh Thesaurus	Add to Favourite Add with Annotation View
Not Mentioned	0	University: Dr. Babasaheb Ambediar Open University Department/Subject: Library Science Author: Kalani, Vanita Level: Source: Shodhganga Language: Not Mentioned	Guide/Organization: Vyas, Kint M
LANGUAGE		Title: - Thesaurus development for Indian social science literature on relational database management system and its integration with OII	Add to Favourite Add with Annotation View
		University : Sandar Patel University Department/Subject: Library Science Author: Pandya, Miteshkumar Y Level : Source : Shodhganga Language : Not Mentioned	Guide/Organization: Oza, Nimesh D
A Gatew	ay t	Figure 11: Related Thesis from Shodhganga	s/

C. Knowledge Resources

The Knowledge Resources contains textual and video modules developed by the experts on various aspects of ethical research. The topic includes research ethics, literature review, reference management, academic writings, and plagiarism.

Knowledge Resource: The first tab in the knowledge resources is 'Research Ethics'. E-text and videos related to research ethics are displayed on the screen and researchers can read and watch all the modules listed on in the left side of the screen as shown in the figure 12 below.

HAKRA /	An initiative by URINET Centre of UGC)	
OWLEDGE RESOURCES		
Research Ethics Literature Review Reference Management System	Scientific/Academic Writing Plagiarism Dashboar	4
Introduction to the Course Research Ethics Part 1	Self Learning	1
Introduction to the Course Research Ethics Part 2		
Introduction to the Course Research Ethics Part 3		
History, Evolution and Case Studies Part		
Ethics in publications Part	1. Name of the CCs:- Mr. Manoj Kumar K	
Ethics in Scientific Research Part 1	 Name & Designation of the Content Writer: Mr. Manoj Kumar K Name & Designation of the Content reviewer: Dr Gopakumar, University of Goa 	
Ethics in Scientific Research Part 2	4. Name & Designation of the Video reviewer: Mr. Kannan P, Deputy Librarian, Central University of Punjab	
Ethics in Scientific Research Part 3	Name of the Module:- Introduction to Research Ethics	
Research Ethics involved in Human Subject	Learning outcome	
Introduction on Animal Ethics	After listening to this course, the student will understand the best way of doing research and academic activities without indulging in unethical practices. The student will come to know	

Figure 12: Knowledge Resources – Research Ethics

Literature Review: The second tab under knowledge resources is 'Literature Review', this will help researchers to conduct effective an efficient literature search on selected topics of research as shown in the figure 13 below.

SH ⁽²⁾ DH CHAKRA	An initiative by INFLIBNET Centre 2010 (An Inter-University Centre of UGC)
KNOWLEDGE RESOURCES	
Research Ethics L.Borature Review Reference Management System Scientific/Academic Writing Plagarism	Dashboard
Literature Review and Pooper Use of E-Resources Part 1	
Literature Review and Proper Use of E-Resources Part 2 U Literature Review and Proper Use of E-Resources by Dr. Kruti T and Mr. Dites REMO9 Part 1 Literature Review and Proper Use of E-Resources by Dr. Kruti T and Mr. Dites REMO9 Part 1	С А
Literature Review and Proper Use of E-Resources Part 3 Ulterature Review and Proper Use of E-Resources Part 4 Objective of the Module	Watch later Share
To conduct comprehensive and systematic literature review, which metho	d should be applied
Q To identify relevant literature	a
To use electronic resources	<u>)</u>
MORE VICEOS	
▶ • 0,45/856	◆ YouTube []

Figure 13: Knowledge Resources – Literature Review

Reference Management System: The third tab in the knowledge Resources 'Reference Management System'. This will help researchers to understand tools and techniques to use various reference management tools namely Mendeley and Zotero. The modules under reference management would also be helpful in citing while writing the research paper and chapters of thesis.

KNOWLEDGE RESOURCES	
Research Ethics Literature Review Reference Management System	Scientific/Academic Writing Plagiarism
Introduction to Reference Management and Managing References in MS-WORD Part 1	Self Learning
Introduction to Reference Management and Managing References in MS-WORD Part 2	Structure of the Module
Introduction to Reference Management and Managing References in MS-WORD Part 3	0. Learning Outcome 1. Introduction 2. What is Reference Management System?
Managing References using Mendeley Part 1	Storing and Arranging Metadata into Reference Management Tools Features of the Reference Management Systems
Managing References using Mendeley Part 2	5. Reference Management Using MS-WORD 6. Steps for Preparing Manuscript in MS-WORD
Managing References using Mendeley Part 3	7. Summary
Managing References using Zotero Part 1	0. Learning Outcome
Managing References using Zotero Part 2	The module enables learners to understand the concept of reference management system and how it can be used to organize references. It discusses effective and practical use of
Managing References using Zotero Part 3	reference management in MS- WORD. It also provides detailed information about inserting citation and creating bibliography for the resources. It describes the use of reference management tools while writing research report.

Figure 14: Knowledge Resources – Reference Management

Scientific Academic Writing: The fourth tab is Scientific/Academic writings. Academic writings is an art and the modules under scientific/academic writings covers important aspects of academic writings.

	An initiative by INFLIBHET Center 🕌 🧕 🥯
KNOWLEDGE RESOURCES	
Research Ethics Literature Review Reference Management System Scientific/Academic Writing Plags	arism Dashboard 🗲
Ethics to be followed while Writing Quality Academic Publications E-Text Control Control Part 1	
Ethics to be followed while Writing Quality Academic Publications Part 2	
Ethics to be followed while Writing Quality Academic Publications Part 3	Structure of the Module Learning Outcomes
Ethics to be followed while Writing Quality Academic Publications Part 4	Introduction Why ethics to be followed while writing Quality Academic Publications? A cademic Publications
Ethics to be followed while Writing Quality Academic Publications Part 5	Ethics to be followed while writing Quality Academic Publications Initiative to carb unethical practices and promote ethical publications Summary
	Learning Outcomes
	At the end of the module, the learners will be able to
	I. Understand what academic publication is. Comprehend the meaning of efficiency of efficiency of efficiency. Meanify the reasons for following efficies in writing quality academic publications. Meanify good academic publications practices. Learn the importance of efficies, integrity and honesty in academic publications Learn various chical means the integration of



Plagiarism: The fifth and last tab in the knowledge resources is 'Plagiarism'. Plagiarism is one of the key concepts that a researcher has to understand before starting any research activity. The videos recorded by experts gives in-depth idea on avoiding plagiarism in research activity.

KNOWLEDGE RESOURCES		
Research Ethics Literature Review Reference Manag	ement System Scientific/Academic Writing Plagiarism Dash	nboard
Introduction to Basics of Plagiarism and Ethical Writing Part 1	E-Text Self Learning	
Introduction to Basics of Plagiarism and Ethical Writing Part 2	Central University of Punjab Name of the Module (2):- Introduction to Basics of Plagiarism and Ethical	
Introduction to Basics of Plagiarism and Ethical Writing Part 3	Writing Learning outcome	
Plagiarism Check Tools Part 1	After listening to this course, the student will understand the concept of plagiarism and why they should avoid it. It will also enable students to know the various occurrences of plagiarism and how far they can avoid the blame of plagiarism.	
Plagiarism Check Tools Part 2 Plagiarism Check Tools Part 3	What is Plagiarism?	
Plagiarism Check Tools Part 4 (URKUND)	The University of Melbourne on their website on "Academic Honesty and Plagiarism" describes plagiarism as 'the act of representing as one's own original work the creative works of another, without appropriate acknowledgment of the author or source'. The site provides	
"ShodhShuddhi & Plagiarism Detection Software Part 1	practical advice on when and how to properly acknowledge other people's ideas and work. The term 'creative works' includes: published and unpublished written documents, interpretations, computer software, designs, music, sounds, images, photographs, and ideas or ideological	
ShodhShuddhi & Plagiarism Detection Software Part 2	frameworks gained frugeh working with another persons or in a group. These works may be in print and/or electronic media (The University of Melbourne, n.d.).	



D. Resource Aggregation

Resource aggregation section facilitates researchers to find out relevant resources from different categories and store it into 'My Favourite' for future use and reference. This feature will help researchers to find out published papers from different databases such as **Google Scholar, Scopus and Open Access resources**.

My Favourite: The first tab under resource aggregation is 'My Favourite'. This tab will store all the resources that are marked as Favourite. The figure 17 shows the details of the saved resources under my favourite tab.

A Gateway to Researchers for Resources
An initiative by INFLIBNET Centre (An Inter-University Centre of UGC)
MY FAVOURITE ARTICLE
My Favourite Google Scholar Scopus IRINS Departmental Publications Search (Open Resources)
More Detail
S 💈 Gheorghe Päun. "Introduction to Membrane Computing" Springer Berlin Heidelberg, doi: 10.1007/3-540-29937-8_1. http://dx.doi.org/10.1007/3-540-29937-8_1.
Department
O Manoj Kumar K. "Building the State-of-the-Art IT Infrastructure for ICT enabled Higher Educational Institutions" INFUBNET Newsletter - ISSN : 0971 - 9849 2013 book-chapter. ORCID uri: https://orcid.org/0000-0002-3979-4448.
IRINS
Title: - Creation of self-organized gold nanostructures by kel/ ion beam irradiation
Author: Singh, U. B. Agarwal, D. C. Khan, S. A. Tripathi, Publication: Radiation Effects and Defects in Solids ISSN: EISSN:
A Kumar, Ajay Choudhury, R. K. Panigr Resource Type : Conference Paper Volume : 166 Page Range : 553-557
Google Scholar
Title - Computing warus human thinking

Figure 17: My Library – Favourite Resources

Google Scholar: The second tab under resource aggregation is 'Google Scholar'. Google Scholar is integrated using API with resource aggregation tab. It will provide simple search box with three fields namely, Google Scholar ID, Title, Author, Keywords. Researchers may enter appropriate term and select a field in which he/she wants to perform the search. The system will fetch results and can be added to favourite by clicking on the "Add to Favourite" button as shown in the figure 18 below.

RESOURCE AGGREGATION							DASHBOARD
My Favourite Google Scholar	Scopus IRINS	Departmental Publications	Search (Open Resources)				
Title	~	computer				Search	
Title - Computer networks Description Title: Computer Netwo 96 books was great	orks Author: Andrew S. 1	Fanenbaum Released: 1996-0	3-06 Language: Pages: 813 ISBN	0133499456 ISBN13; 978-0133499452	ASIN: 0133499456 I 'ma reader of the memo	_	This novel the Add to Favourite
Author : AS Tanenbaum, D Wetherall		Year:		Cited Articles: 1220 View			
Title - Computer Networks Title: Comp Description - Note: Failure to complet rules for supplemental			N being awarded for the course	Assignment of an E grade and suppler	nental examination for this course will be a		tructor. The Add to Favourite
Author : A Tanenbaum, D Wetherall, J	Kurose, K Ross	Year: 2019		Cited Articles: 3 View			

Figure 18: Favourite Resources – Google Scholar

Scopus: The third tab under resource aggregation is 'Scopus'. Scopus is an indexing and abstracting database that has millions of articles with citation score of each research paper. The Shodh-Chakra fetches bibliographic information of the searched terms and displays on the screen. Researchers can check the appropriateness of the article and mark as favourite for further use.

RESOURCE AGGREGATION	DASHBOARD
My Favourite Google Scholar Scopus IRINS Departmental Publications Search (Open Resources	
Search By: 0 computer Select Source Type	Keywords Scopus ID Select Doc Type Select Subject Search Reset
Title - Development of a digital twin of a local road network: A case study Author : Steyn W.J.V.D.M. CoverDate: 2023-01-01 ScopusID: 85107590758 DOI: 10.1520/JTE202100.43 EID: 2.422.045107950758 EISSN : (USSN : 00903973 PubmedID Source Type : Journal Document Type: Article Volume : 51 Issue : 1 Page Range :	Add to Favourits Publication: Journal of Testing and Evaluation Cited Articles: 0 View 2:
CoverDate: 2023-01-01 ScopusID: 85107574309 DOI: 10.1520/JTE20210028 EID : 2: 2: 45107574309 EISSN : 115SN : 0:	Add to favourite Publication: Journal of Testing and Evaluation Cited Articles: 0 View :

Figure 19: Favourite Resources – Scopus

IRINS: The fourth tab is 'IRINS'. Research profiles of faculty members of most Indian academic institutions have been created on IRINS portal. IRINS has been integrate with Shodh-Chakra to enable research scholars to search in the IRINS and mark as favourite for future use.

RESOURCE AGGREGATION		DASHBOARD
My Favourite Google Scholar Scopus IRINS	Departmental Publications Search (Open Resources)	
Select ~ Search by: Research and Development		Search Reset
PUBLICATION TYPE	Showing 1 to 10 of 1927 Records: 1 2 3 4 5 > >>	0.48 Second
Article (1400	The final soft of the second sec	
book 71	Title - Creation of self-organized gold nanostructures by keV ion beam irradiation	Add to Favourite
Chapter 20	Author : Singh, U. B. Agarwal, D. C. Publication: Radiation Effects and Defects ISSN: EISSN: Khan, S. A. Tripathi, A. Kumar, Ajay in Solids in Solids in Solids	
chapter in book	Choudhury, R. K. Panigrahi, B. K. Avasthi, D. K.	
CONFERENCE	Resource Type : Conference Paper Volume : 166 Page Range : 553-557	

Figure 20: Favourite Resources – Indian Articles

Departmental Publications: The departmental publications will list out all the resources published by the colleagues from the same department of native institute of researchers. Researcher may add to favourite and store it in my library section for future reference.

RESOURCE AGGREGATION	DASHBOARD
My Favourite Google Scholar Scopus IRINS Departmental Publications Search (Open Resources)	
Manoj Kumar K (https://orcid.org/0000-0002-3979-4448) Affiliations: INFLIBNET Centre,	
Browse Research Work	
Pallab Pradhan (https://orcid.org/0000-0002-7862-9998) Affiliations: INFLIBNET Centre,	
Browse Research Work	
Dharmesh Shah (https://orcid.org/0000-0001-9081-1998) Affiliations: INFLIBNET Centre, INFLIBNET Centre,	
Browse Research Work	
Asha Vaghela (https://orcid.org/0000-0003-0898-4721) Affiliations: Gujarat Vidyapith, INFLIBNET Centre,	

Figure 21: Favourite Resources – Department Resources

Open Resources: The fifth tab helps researchers to find out bibliographic information of the documents that are published in open access. Shodh-Chakra will populate metadata of the resources and full text can be accessed using DOI for individual article.

ESOURCE AGGREGATION	DASHBOAR
My Favourite Google Scholar Scopus IRINS Departmental Publications Search (Open Resources)	
Journal Article V computer X Search	5
• "The IEEE Computer Society's Ninth International Computer" Institute of Electrical and Electronics Engineers (IEEE), Jan, 1985, doi: 10.1109/mc.1985.1662899. http://ieeexplore.leee.org/document/1662699/.	+
Computer Magazine Introducing the Computer Editorial Board" Institute of Electrical and Electronics Engineers (IEEE), Nov, 1981, doi: 10.1109/c-m.1981.220239. http://ieeexplore.ieee.org/document/1667146/.	+
IEEE Computer Society's Computer Magazine" Institute of Electrical and Electronics Engineers (IEEE), Dec, 2016, doi: 10.1109/mc.2016.383. http://ieeexplore.ieee.org/document/7756255/.	+
IEEE Computer Society Workshop on Computer Communication" Institute of Electrical and Electronics Engineers (IEEE), Mar, 1971, doi: 10.1109/c-m.1971.216770. http://eeexplore.ieee.org/document/1641404/.	+
Computer" Institute of Electrical and Electronics Engineers (IEEE), Nov, 1977, doi: 10.1109/c-m.1977.217547. http://ieeexplore.ieee.org/document/1646280/.	+
Computer" Institute of Electrical and Electronics Engineers (IEEE), May, 1981, doi: 10.1109/c-m.1981.220438. http://ieeexplore.ieee.org/document/1667345/.	+
Computer" Institute of Electrical and Electronics Engineers (IEEE), Nov, 1981, doi: 10.1109/c-m.1981.220236. http://ieeexplore.ieee.org/document/1667143/.	+
Computer" Institute of Electrical and Electronics Engineers (IEEE), Sep, 1979, doi: 10.1109/mc.1979.1658881. http://ieeexplore.ieee.org/document/1658881/.	+
🔮 "Computer" Institute of Electrical and Electronics Engineers (IEEE), Jul, 1979, doi: 10.1109/mc.1979.1658800. http://ieeexplore.ieee.org/document/1658800/.	+
Computer' Institute of Electrical and Electronics Engineers (IEEE), Jun, 1979, doi: 10.1109/mc.1979.1658766. http://ieeexplore.ieee.org/document/1658766/.	+

Figure 22: Favourite Resources – Open Resources

E. Publications (Journal/Workshop/Conference)

As per current guidelines of the UGC, it is mandatory for a research scholar to publish articles in journals, conferences, and seminar/workshops. Research scholars are not aware of how many journals published; conferences being organized. The publication section would help researchers to search and add to favourite journals, conferences and workshops/seminars in which they can submit their research paper for publication and presentation.

My Favourite Journal: 'My Favourite Journal' will list out all the journals that have been marked as favourite. Researcher can save his favourite/required journal. A Gateway to Researchers for Resources

SHOP DH CHAKRA A Gateway to Researchers for Resources	L			An initiative by INFLIBNET Centre (An Inter-University Centre of UGC)	ULENCE an fare light
MY FAVOURITE JOURNAL					
My Favourite Journal Journal	ls Workshop/Conferences Ado	d Your Publication/Workshop/Conferences			
Journal title:Ruan Jian Xue Bao/Jo	urnal of Software				Remove Favourite
ISSN: 10009825	E-ISSN:	Publisher name: Chinese Academy of Sciences	Languagest ENG	Source: Scopus	
Journal title:Studies in Humanities	and Social Sciences				Remove Favourite
ISSN: 0972-1401	E-ISSN: -	Publisher name: Indian Institute of Advanced Study	Languages: -	Source: UGC Care List	

Figure 23: My Favourite Journal

Journal: The journal tab will facilitate the researcher to search journals by title and keywords. The results will be fetched from UGC Care List, Scopus, and Web of Science. The researcher may select a relevant journal and mark it as favourite as shown in figure 24 below.

PUBLICATIONS : JOURN	IALS						DASHBOARD
My Favourite Journal Journ	nals Workshops/Confere	ences Add Your Publicatio	n/Workshop/Conferences				
Correl but constant of the	1-6						Search
Search by: Computer science,	information & general w	orksComputer science, kn	wledge & systemsCompute	r science, information & general works			Reset
All	674	Showing 1 to 10 of 674	Records: 1 2 3	4 5 > >>			0.37 Second
Scopus	37						
WoS	637	Journal title: Ruan Jian)	ue Bao/Journal of Software				Add to Favourite
Data as on 31 st March 2021		ISSN: 10009825	E-ISSN:	Publisher name: Chinese Academy of Sciences	Language: ENG	Source: Scopus	
		Journal title: RISTI - Revi	sta Iberica de Sistemas e Teo	cnologias de Informacao			Add to Favourite
		ISSN: 16469895	E-ISSN:	Publisher name: Associacao Iberica de	Language: SPA, POR	Source: Scopus	
				Sistemas e Tecnologias de Informacao (AISTI)			

Figure 24: Search Journals

Workshop and Conference: As per prevailing UGC, guidelines the researcher has to present at least one research paper at the conference. It is slightly difficult to identify the upcoming conferences in different fields. The Shodh-Chakra gathers data from the academic institutions on upcoming conferences and provides a list under the workshop and conference tab. The researcher can mark it as favourite for further use.

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PUBLICATIONS :WORKSHO	PS/CONFERENCES				DASHBOARD	
My Favourite Journal Journals	Workshops/Conferences Add Your	Publication/Workshop/Conferences				
					Search	
Showing 1 to 10 of 563 Records: 1	2 3 4 5 > >>				0.03 Second	
Title: 3rd International Conference on I	nnovative Technologies for Clean and Su	stainable Development				
Organization: National Institute of Technical Teachers Training and Research,Chandigarh,	Theme:	Venue: National Institute of Technical Teachers Training and Research, Chandigarh,	Country: India	Website URL: https://www.rilem.net/agenda/3rd- international-conference-on- innovative-technologies-for-clean- and-sustainable-development-1357		
Title: 3rd International Conference on Materials, Manufacturing and Modelling (ICMMM-2021)						
Organization: VIT, Vellore	Theme:	Venue: VIT, Vellore Campus	Country: India	Website URL: https://www.bits- pilani.ac.in/pilani/srikanta/Conference		

Figure 25: Workshops and Conferences

Add Your Publication: Researcher can store list of publications that are published in journals and conference proceedings. This feature will help researcher to list out all personal publication at one place.

(BLICATION/WORK	SHOP/CONFERE	NCES								DASH	BOVI
My Favour	rite Journal Journals	Workshops/Conferen	ces Add Your Pu	blication/Workshop/Conf	erences							
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		Authors Abhishek Kumar,Sanj Kumar,Chauhan		Publisher COLLNET Journal of Scientometrics and Information	Journal Artic		Language 11 English		Search: n/doi/full/10.1080/09737766.2020		Action	_
SrNo ↓≞	Title Impact of NIRF on research publications: A	Abhishek Kumar,Sanji	ay Tiwari,Ashish Swetha	COLLNET Journal of Scientometrics and		le 03-07-			m/doi/full/10.1080/09737766.2020			•

Figure 26: Adding Research Publications/Conference Papers

F. Reference Management

Reference management for the collected/referred literature is an important task. It is necessary to cite all the documents that are referred for an ongoing research work. The Shodh-Chakra has integrated Zotero Reference Management tool for managing all resources that are used in the research work.

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REFERENCE MANAGEMENT	DASHBOARI
Download Bibliography Repo	t Print Bibliography Report
Morphological Studies of the Deccan Intertrappean Flora of Mohgaonkalan M P India	
2 "ScienceDirect Snapshot." Accessed May 15, 2020. https://www.sciencedirect.com/science/article/pii/S1546144020301502.	×
C Z Kooraki, Soheil, Melina Hosseiny, Lee Wyers, and Ali Gholamrezanezhad. "Coronavirus (COVID-19) Outbreak: What the Department of Radiology Should Know." Journal of the American College of Radiology 17, no. 4 (April 1, 20: https://doi.org/10.1016/j.jacr.2020.02.008.	20]: 447-51.
Studies on Evalution and Identification of Bread WheatTriticum Aestivum L Under Moisture Stress Condition	
2 Coronavirus: Athawale's 'Go Corona' Chant Video Goes Viral." The Hindu. March 10, 2020, sec. National. https://www.thehindu.com/news/national/coronavirus-athawales-go-corona-chant-video-goes-viral/article31031072.et	ce. X
2 "Snapshot." Accessed May 15, 2020. https://www.thehindu.com/sci-tech/health/coronavirus-the-hindu-brings-out-e-book-on-essential-covid-19-information/article31122298.ece.	×
Computing versus human thinking	
2 "Snapshot." Accessed May 15, 2020. https://www.thehindu.com/news/resources/the-hindus-e-book-on-covid-19-in-multiple-indian-languages/article31174374.ece.	×
2 "Coronaviruses, Volume 96 - 1st Edition." Accessed May 15, 2020. https://www.elsevier.com/books/coronaviruses/ziebuhr/978-0-12-804736-1.	×

Figure 27: Adding References

G. Thesis Submission

The final step in the research journey of a research scholar is the submission of a thesis to the university for the award of degree. The research scholar will be able to submit all the documents such as registration receipt, pre-submission report, course work completion certificate, plagiarism report, and finally thesis through Shodh-Chakra. The researcher can submit documents to the Guide only as well as Guide and University both.

SHOP DH CHAKRA A Gateway to Researchers for Resources			An initiative by INFLIBNET Centre (An Inter-University Centre of UGC)	0
DASHBOARD: SACHIN MALI (S-CHAKRA-20	21-01)			DASHBOARD
+ Add New Thesis	THESIS SUBMISSION			
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🗎 Trash Thesis	Save & Add New			

Figure 28: Thesis Submission

Documents: Researcher can store full text documents in the 'Drive' under 'My Library' section. These documents can be shared with research supervisor.

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Figure 29: Submission Related Documents

Full Text Thesis: The 'My Library' contains all the resources that are marked as favourite by different categories. Full text thesis retrieved from Shodhganga and marked as favourite will be displayed in the full text Thesis tab.

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MY FAVOURITE RESOURCES/JOURNAL		DASHBOARD
Full text thesis Knowledge Resources Research Publication		
Title: - Morphological Studies of the Deccan Intertrappean Flora of Mohgaonkalan M P India		Ver
University :Sant Gadge Baba Amravati University Deparment/Subject: Botany Level : Source : Shodhganga Language :Not Mentioned	Author:Bobade M B	Guide/Organization: Upadhye E V
Title: - Studies on the effect of antibacterial activity and anticancer activity of Aegle Marmelos, Solanum Nigrum and Cassi	a Fistula	Vier
University :Bharath University Deparment/Subject: Biotechnology Level : Source : Shodhganga Language :Not Mentioned	Author: Venkatesan, D	Guide/Organization:Karrunakaran, C.M.

Figure 30: My Favourite – Full Text Thesis

Knowledge resources: The resources that are marked as favourite under knowledge resource are displayed under 'My Library' → 'Knowledge Resources' tab.

SHOP DH CHAKRA A Geteway to Researchers for Resources	An initiative by INFLIBNET Centre (An Inter-University Centre of UGC)
MY FAVOURITE RESOURCES/JOURNAL	DASHBOARD
Full text thesis Knowledge Resources Research Publication	
Title: - Creation of self-organized gold nanostructures by keV ion beam irradiation	Remove favourite
Author : Singh, U. B. Agarwal, D. C. Khan, S. A. Tripathi, Publication: Radiation Effects and Defects in Solids ISSN: A. Kumar, Ajay Choudhury, R. K. Panigr Resource Type : Conference Paper Volume : 166 Page Range : 553-557	EISSN:

Figure 31: My Favourite – Knowledge Resources

Notes: Researchers can create notes in the 'Note' in 'Guide Interaction'. This will help research scholar and guide to discuss research related matters on the portal. Researcher and Guide both can create and share notes with each other.

CHARTER IN RESERVENCE IN MALLY (SACHING MALY (SACHING MALLY (SACHING MALLY (SACHI	-снакра-2	21.01)	An initiative by INFLIBURE Centre (An inter-University Centre of UGC)	a farri fryst
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C Shared Notes	0	Description*	≡• ⊞• ∞ ⊾ •■ X > ?	
 Trash Shared With me 			prms that <u>include bacteria</u> , algae, fungi, protozoa, <u>and viruses</u> .	
🗣 Guide Interaction				
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Figure 32: My Favourite – Creating Notes

The notes shared by Guide can be viewed under Shared Notes option available in interaction with guide section as shown in the figure 36 below.

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A Gateway to Researchers for Resources Figure 33: My Favourite – Shared Notes									