

# Opening up by closing the circle: Enhancing visibility & accessibility of theses and dissertations

by

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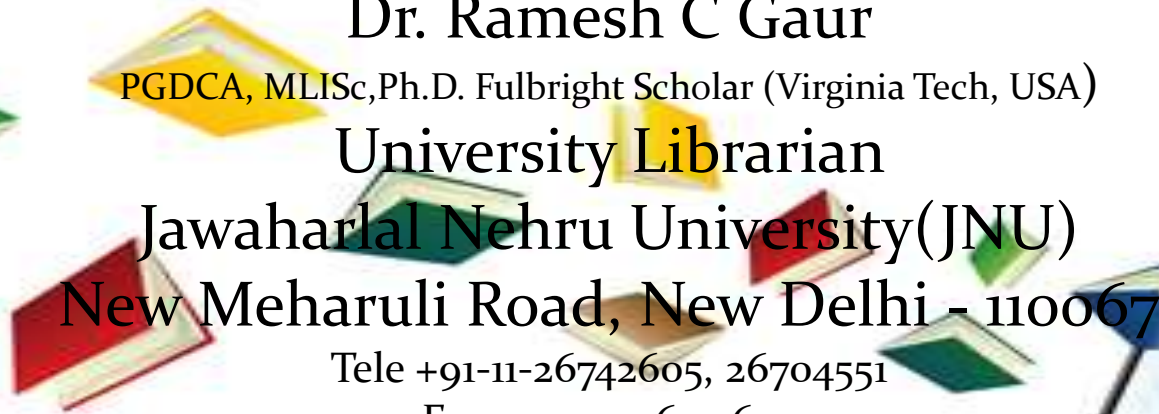
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# Outline

- ETD Initiatives in India
- Jawaharlal Nehru University
  - Theses & Dissertations Collection
- Access to Theses & Dissertations
- Moving Towards Electronic Theses & Dissertations (ETDs)
- Access to ETDs
  - Full Text available in OPAC
  - ETD Archive/Repository at JNU
  - JNU's ETDs at Shodhganga
- What next
  - E-Thesis Tracking System
  - Repository of PhD Proposals

# ETD Initiatives in India



- **Initiatives by individual institutions**

- **Institutions and Organizations**
  - Council of Scientific & Industrial Research: CSIR Explorations (<http://eprints.csirexplorations.com>)
  - Indian Institute of Science: ETD@IISc (<http://etd.ncsi.iisc.ernet.in>) - 2271 Theses
  - Central Marine Fisheries Research Institute : Eprints@CMFRI (<http://eprints.cmfri.org.in>)
- **Indian Institute of Technology (IITs)**
  - Indian Institute Technology, Bombay: ETD@IIT Bombay (<http://etd.library.iitb.ac.in> )
  - Indian Institute Technology, Delhi: Eprints@IIT Delhi (<http://eprint.iitd.ac.in/>)
  - Many others
- **Universities**
  - Jawaharlal Nehru University: ETD@JNU (<http://etd.lib.jnu.ac.in/>)
  - University of Mysore: Vidyanidhi
  - Cochin University of Science & Technology: Dyuthi (<http://dyuthi.cusat.ac.in/xmlui/>)
- Many other universities and institutions
- A search for repository type 'theses' from 'India' in OpenDOAR gives 34 results

Contd./-

# ETD Initiatives in India

- **Initiatives at National Level**

Earlier Initiative: IndCat

- <http://indcat.inflibnet.ac.in/>
- Online Union Catalogue of Indian Universities
- IndCat (Theses Database) 2,64,636 unique Theses of 354 Universities

Shodhganga

<http://shodhganga.inflibnet.ac.in/>

Digital Repository of Indian ETDs: An Initiative of INFLIBNET Centre

172 Universities signed MoU with INFLIBNET

As on date, more than 18000 Theses



- **KrishiPrabha**

<http://14.139.232.167:8080/HAU/thesis.html>

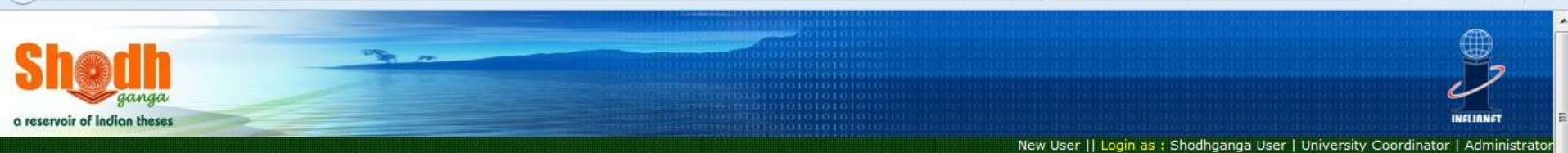
Indian Agricultural Doctoral Dissertations Repository

Collection of more than 6000 doctoral theses from 45

State/Deemed Agricultural Universities



# Shodhganga <http://shodhganga.inflibnet.ac.in>



**Search Shodhganga**

  
  
**Advanced Search**  
**Subject Search**

Home

**Browse**


- Universities & Departments
- Submit Date
- Researcher/Guide
- Title
- Keyword
- University

**Top 5 Contributing Universities**

- Jawaharlal Nehru University [2420+]
- Bundelkhand University [1520+]
- Cochin University of Science & Technology [1270+]
- Mahatma Gandhi University [1190+]
- Anna University [730+]

Indian ETD Repository @ INFLIBNET >

**Welcome to Shodhganga@INFLIBNET Centre**




The Shodhganga@INFLIBNET Centre provides a platform for research students to deposit their Ph.D. theses and make it available to the entire scholarly community in open access. The repository has the ability to capture, index, store, disseminate and preserve ETDs submitted by the researchers. [Read More](#)

Shodhganga received e-INDIA Jury Choice award.

**Have Synopses??. [Click Here](#)**

[Click here for Visual Browser](#)



**Research in Progress**

**Universities Contributed in Shodhganga [40 Top Universities Contributed]**

Choose a University to Browse its Departments. (18017 theses uploaded)

[ Show Top 40 Universities ]

Acharya Nagarjuna University [235]	Alagappa University [2]
Aligarh Muslim University [282]	Allahabad University [0]
Amity University [1]	Amrita Vishwa Vidyapeetham (University) [51]
Andhra University [150]	Annamalai University [0]
Anna University [739]	Assam University [36]

**Update @ Shodhganga**

2014 NEW

[Advanced Training Programme on Shodhganga](#)

[National Seminar on "Managing Electronic Theses and Dissertations" at JNU on 22nd March and 23rd March, 2012](#)

Shodhganga received e-INDIA award for the Year 2011 under Digital Learning category.

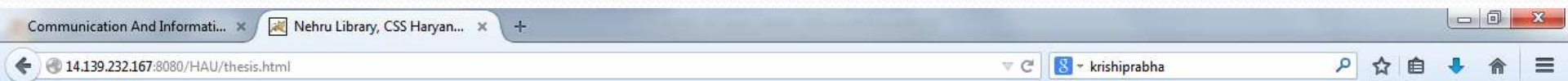
[Delhi University, Delhi signed MoU](#)

**UGC Notification**

M.Phil/Ph.D Regulation 2009M

UGC Guidelines for

# KrishiPrabha <http://14.139.232.167:8080/HAU/thesis.html>



**NEHRU LIBRARY**  
CCS Haryana Agricultural University, Hisar



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➔ [KrishiPrabha \(e-Theses\)](#)



**KrishiPrabha**  
Indian Agricultural Doctoral Dissertations Repository



KrishiPrabha is a full-text electronic database of Indian Agricultural Doctoral Dissertations submitted by research scholars to the 45 State/Deemed Agricultural Universities during the period from 1.1.2000 to 31.12.2007. This database, listing about 7500 Doctoral Dissertations with a full text of about 6000 Dissertations has been created by Nehru Library, Ch. Charan Singh Haryana Agricultural University, Hisar with financial support from Indian Council of Agricultural Research, New Delhi under its National Agricultural Innovation Project.

[Click Here to Search in KrishPrabha Database](#)



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# Jawaharlal Nehru University (JNU)

- Theses & Dissertations Collection
  - The first PhD awarded by JNU in the year 1970
  - As on March 2014, the JNU library has over 20,000 unique theses and dissertations
  - More than 5,000 PhD Theses are under open access
- Access to Theses & Dissertations
  - Phase I : Hard Copy of Theses & Dissertations with Card Catalogue
  - Phase II : Hard Copy of Theses & Dissertations with OPAC
  - Phase III : Hard Copy with digital Table of Contents (TOC) in OPAC
  - Phase IV : ETDs



# Access to Theses & Dissertations at JNU

- **Phase I:**
- Hard Copy of Theses & Dissertations with Card Catalogue
  - Traditional approach with restricted access
  - Photocopy any part of theses and dissertations was not permitted
- **Phase II: 2001 onwards**
- Hard Copy of Theses & Dissertations with OPAC
  - The same traditional approach with restricted access
  - Theses became searchable in OPAC
- **Phase III: 2007 onwards**
- Hard Copy of Theses & Dissertations with Digital Table of Contents (TOC) in OPAC
  - The same traditional approach with restricted access
  - Theses became searchable in OPAC
  - Table of Contents (TOC) of theses & dissertations became available in OPAC
- **Phase IV: 2011 onwards**
  - Moving Towards ETDs

Contd./-



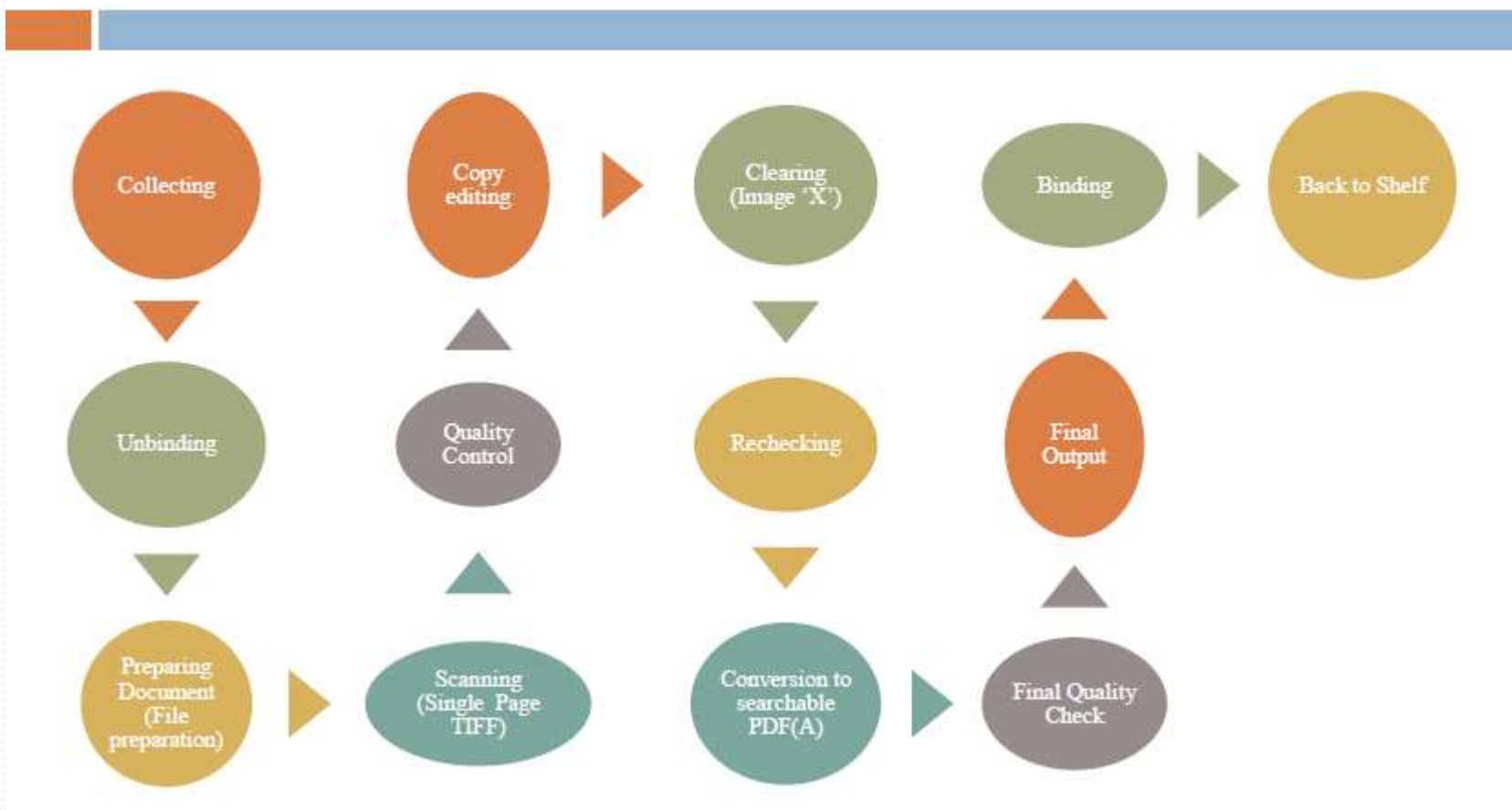
# Moving towards ETDs

- In 2011, two major decisions were taken by JNU
  - To digitize hard copies of more than 20,000 theses & dissertations
  - Regulation for Submission of e-Thesis
- The digitization project
  - Outsourced to experienced company
  - Started in 2012
  - More than 20,000 theses & dissertations digitized
  - Over 3 million pages digitized
- Regulation for Submission of e-Thesis
  - Submission of e-Thesis along with hard copies of the thesis became mandatory
  - Plagiarism check before submission of thesis made mandatory
  - On CD-ROM with hard copy



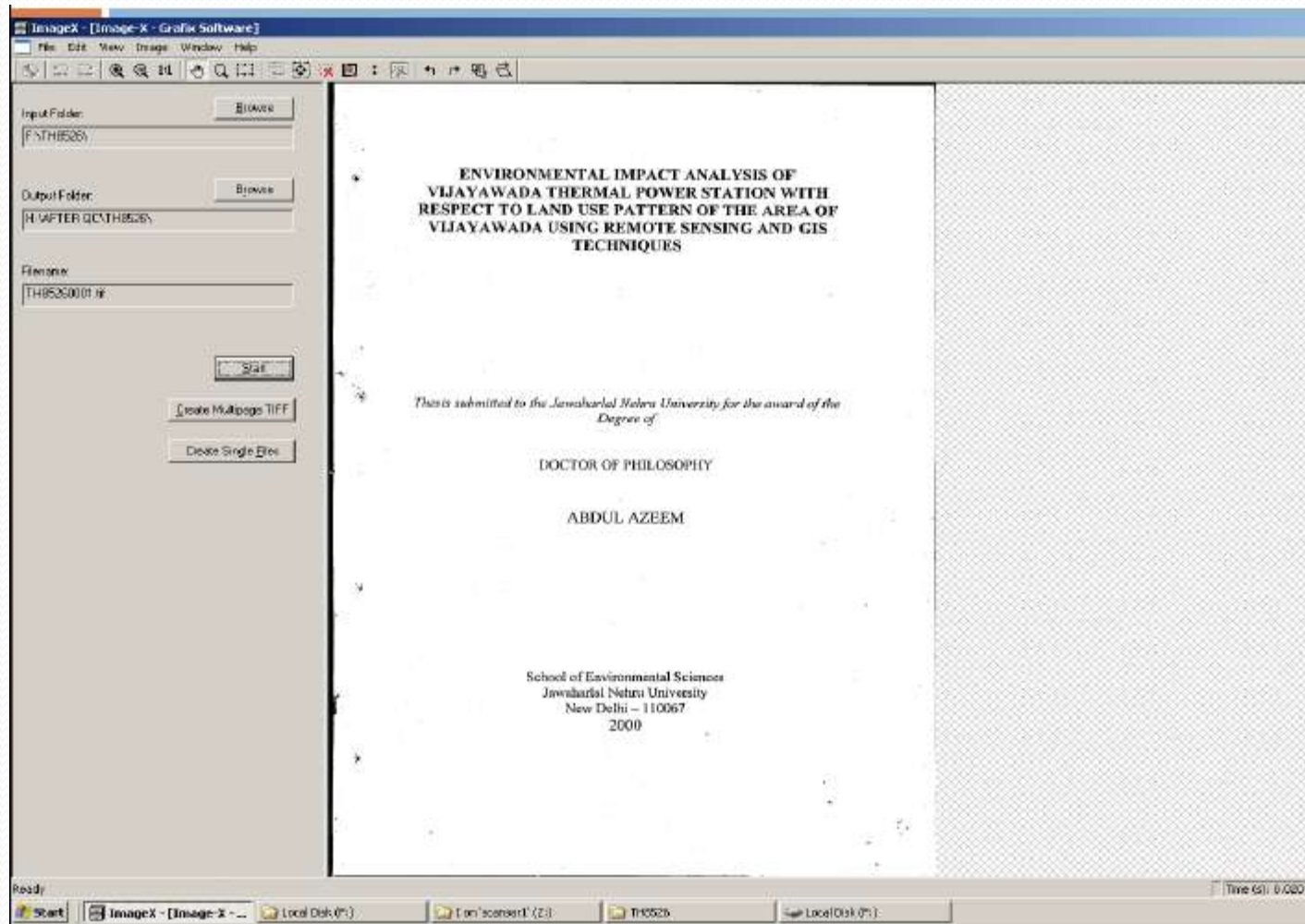
# The digitization project

- Digitization Process - Flowchart



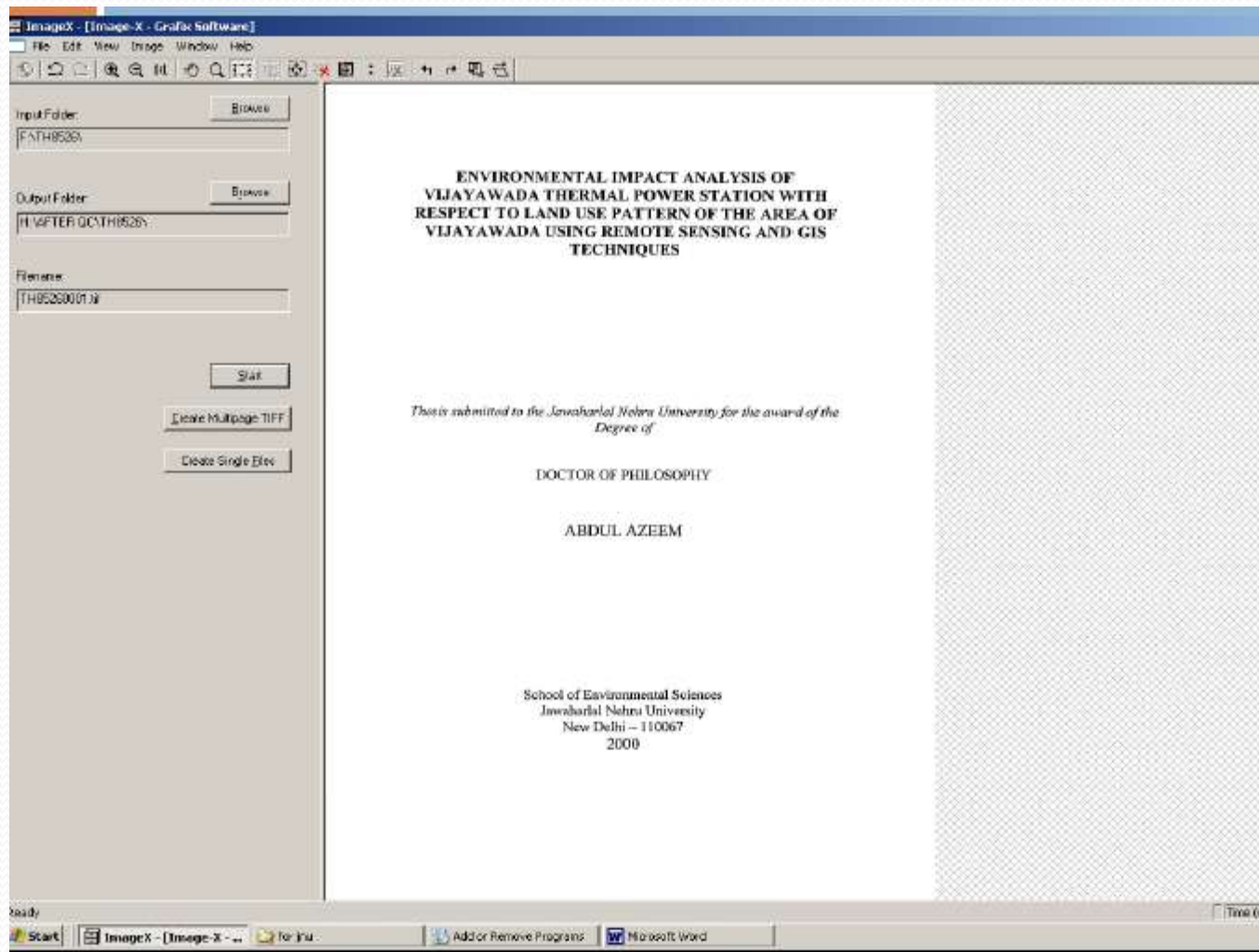
# The digitization project

- Digitization Process - Scanning



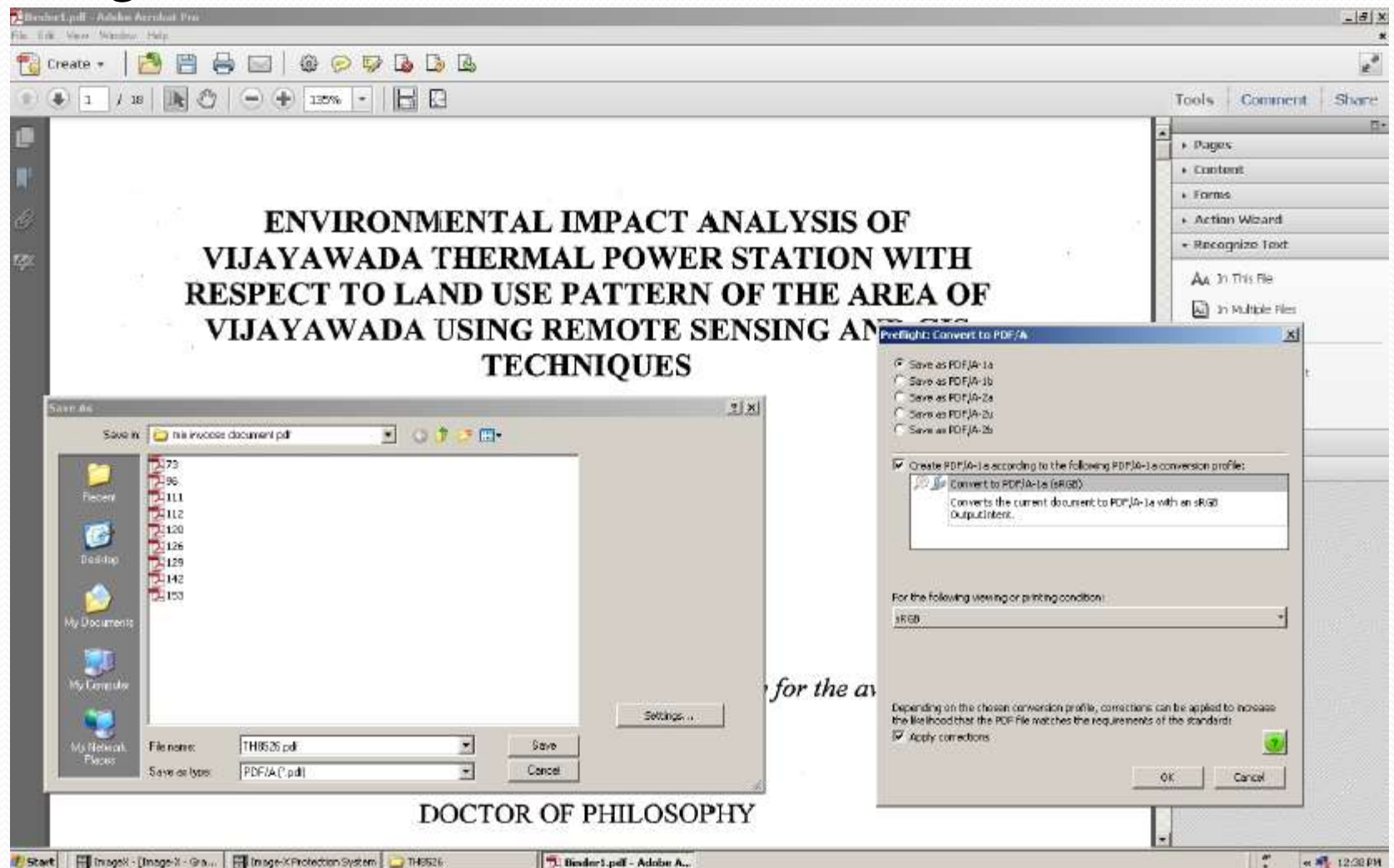
# The digitization project

- Digitization Process – Cleaning of Image



# The digitization project

- Digitization Process – PDF creation, OCR





# The digitization project

- Digitization Process – Cost Involved

□ Digitization per page	INR 1.10
□ Metadata Creation per title	INR 5.80
□ Uploading on Archive per title	INR 9.85
□ Total average cost per title approx.	INR 225 ( US \$ 4)

(In-house staff cost involved in Editing, Quality Checking and related works not included in above cost)

# Regulation for Submission of e-Thesis

- In 2011,
  - Submission of e-Thesis on CD-ROM became mandatory
  - Plagiarism check before submission of ETDs made mandatory
- Difficulties faced
  - Inconsistencies in the contents of CD-ROM
  - Missing 'fonts' of other languages
  - Missing 'certificate' page
- In 2014,
  - Modifications in regulation for streamlining the process

# Modifications in regulation for Submission of e-Thesis

- Contents of the CD specified as
  - A single PDF file containing the complete thesis/dissertation
    - Without password, security tags, and restriction on copy, paste or print
  - MS-Word files of the thesis along with all special fonts used in the thesis
  - Authentication Certificate
    - thesis/dissertation contained in the CD/DVD is complete in all respect and is same as submitted in print
  - An abstract of the thesis/dissertation
  - Metadata Form
  - Consent Form for Digital Archiving
  - Other accompanying material/s, if any
- The Degree or Provisional Certificate shall finally be released after clearance from the library along with other 'No dues'

Annexure-I

Jawaharlal Nehru University

**Thesis/Dissertation Authentication Certificate**

<b>Name of the Author (Research Scholar)</b>	
<b>Degree</b>	
<b>Department/Centre</b>	
<b>School</b>	
<b>Name of affiliated Institution for which JNU is granting the degree</b>	
<b>Guide/Supervisor</b>	
<b>Thesis/Dissertation Title</b>	
<b>Date of Submission</b>	

I hereby certify that the thesis/dissertation contained in this CD/DVD is complete in all respect and is same as submitted in print.

**Signature of the Scholar**

**Signature and Seal of the Guide**

Place :

Date :

## Annexure-II

Jawaharlal Nehru University  
Thesis/Dissertation Metadata Form

1.	Title	
2.	Alternative Title, if any	
3.	Name of Research Scholar	
4.	Name of Guide/Supervisor(s)	1. 2. 3.
5.	Name of Degree	
6.	Level of Degree	
7.	Department/Centre	
8.	School	
9.	Name of affiliated Institution for which JNU is granting the degree	
10.	Date of Submission	
11.	Subject Keywords	1. 2. 3. 4. 5.
12.	Coverage (for time periods or spatial regions only)	
13.	Language of the thesis	
14.	File Format of thesis and accompanying material, if any (PDF, MPEG, etc.)	

Signature of the Scholar



## Annexure-III

Jawaharlal Nehru University  
Consent Form for Digital Archiving

Name of the Author (Research Scholar)	
Degree	
Department/Centre	
School	
Name of affiliated Institution for which JNU is granting the degree	
Guide/Supervisor(s)	
Thesis/Dissertation Title	
Date of Submission	

- I hereby give my consent to the Central Library, Jawaharlal Nehru University, New Delhi to archive and to make available my thesis or dissertation in whole or in part in the University's Electronic Thesis and Dissertations (ETD) Archive and to make it accessible worldwide under the conditions specified below in all forms of media, now or here after known.
- I retain all other ownership rights to the copyright of the thesis/dissertation. I also retain the right to use in future works (such as articles or books) all or part of this thesis or dissertation.

Conditions: [mark '√' in relevant box]:

[The University recognises that there may be exceptional circumstances requiring restrictions on public access. Requests for restriction for a period of up to maximum 3 years must be specified by the scholar explicitly. However the digital contents on JNU INTRANET will be available immediately after the award of Degree]

1. Release the entire work for worldwide access immediately		
2. Release the entire work for worldwide access after	1 Year	
	2 Years	
	3 Years	

Signature of the Scholar

Place :

Date :

Signature and Seal of the Guide

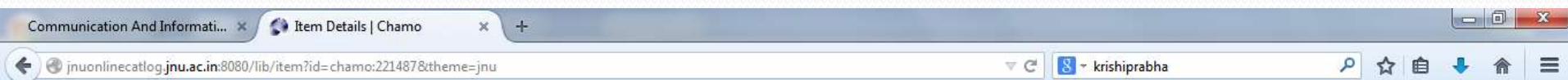
# Access to ETDs at JNU

- Full Text available in OPAC
  - Full text PDFs are available in OPAC as multimedia link
  - Access within university premises only
- ETD Repository at JNU
  - <http://etd.lib.jnu.ac.in>
  - At present, available only within university premises
- JNU's ETDs at Shodhganga
  - JNU signed an MoU to upload its ETDs in Shodhganga
  - Open Access
  - With embargo period of 3 years
  - More than 5000 PhD theses sent to be uploaded in Shodhganga
  - 3155 Theses already uploaded



# Full Text available in OPAC

## sample record of thesis in OPAC



जवाहरलाल नेहरू विश्वविद्यालय  
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*Nehal, Mohammad*

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**Author** Nehal, Mohammad.  
**Title** Biochemical changes in red blood cells treated with insulin and thyroid hormones / Mohammad Nehal  
**Call Number** 612.111 N313  
**Publication** New Delhi : Jawaharlal Nehru University, 1987.  
**Physical Description** v. 141 p. ; 30 cm.  
**Added Author** Jawaharlal Nehru University. School of Life Sciences.  
**Subject** Blood cells.  
**Multimedia** [Click here to View : http://172.16.21.5:8000/theses/TH2374.pdf](http://172.16.21.5:8000/theses/TH2374.pdf)

Call Number	Location	Shelf Location	Barcode	Item Class	Units	Copy Number	Status
612.111 N313 Bi	Theses / Dissertation	Theses / Dissertation	TH2374	Theses/Dissertation		0	Available





# ETD Repository at JNU

etd.lib.jnu.ac.in

Google



CENTRAL LIBRARY, Jawaharlal Nehru University

[Login](#)

ETD Archive Home

## JNU's Electronic Theses and Dissertations

Jawaharlal Nehru Univeristy has a collection of nearly 20,000 Theses and Dissertations till date. All these theses and dissertations have been digitized and are ....

## Communities in ETD Archive

Select a community to browse its collections.

- [Centre for the Study of Law and Governance](#)
- [School of Arts & Aesthetics](#)
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- [School of Language Literature and Culture Studies](#)
- [School of Life Sciences](#)
- [School of Physical Sciences](#)
- [School of Social Sciences](#)
- [Special Centre for Molecular Medicine](#)
- [Special Centre for Nanoscience](#)
- [Special Centre for Sanskrit Studies](#)

## Recently Added

Some aspects of regeneration in the ciliate spirostomum ambiguum /

Khurana, Madhubala. (Jawaharlal Nehru University, 1974)

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[Kember, J.L. \(1\)](#)  
[Khurana, Madhubala. \(1\)](#)  
[Koshy, V.C. \(1\)](#)  
[P, Rafi \(1\)](#)  
[Raina, Sunita \(1\)](#)  
[Stein, Burton \(1\)](#)  
Subject



# JNU's ETDs at Shodhganga

The screenshot shows a web browser window displaying the Shodhganga website. The browser's address bar shows the URL `shodhganga.inflibnet.ac.in/handle/10603/60/`. The website header features the Shodhganga logo on the left and the INFLIBNET logo on the right. A navigation bar below the header includes links for "New User", "Login as : Shodhganga User", "University Coordinator", and "Administrator".

The main content area is titled "Indian ETD Repository @ INFLIBNET >". Below this, the search results for "Jawaharlal Nehru University" are displayed, showing a total of [3155] items. A search box is visible with "In: Jawaharlal Nehru University" selected in a dropdown menu. Below the search box, there are buttons for "University", "Keyword", "Title", "Researcher/Guide", and "Submit Date".

On the left side of the page, there is a sidebar with a search box and a "Go" button. Below the search box, there are links for "Advanced Search" and "Subject Search". Under the "Browse" section, there are links for "Universities & Departments", "Submit Date", "Researcher/Guide", "Title", "Keyword", and "University". At the bottom of the sidebar, there is a section titled "Top 5 Contributing Universities" with a list of universities and their respective counts.

On the right side of the page, there is a section titled "Recent Submissions" with a "Logo" link. Below this, there are three entries of recent submissions, each with a brief description. At the bottom of the right sidebar, there is a section titled "RSS Feeds" with two RSS feed buttons and an "RSS" button.

The bottom of the screenshot shows the Windows taskbar with various application icons and the system clock displaying "16:25 14-07-2014".

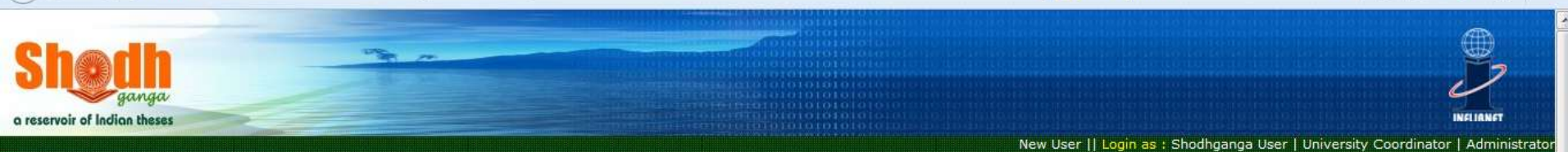
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Submit Date  
Researcher/Guide  
Title  
Keyword  
University  
Top 5 Contributing Universities  
Jawaharlal Nehru University [2420+]  
Bundelkhand University [1520+]  
Cochin University of Science & Technology [1270+]  
Mahatma Gandhi University [1190+]  
Anna University [730+]

Indian ETD Repository @ INFLIBNET >  
**Jawaharlal Nehru University : [3155]**  
University home page  
In: Jawaharlal Nehru University  
Search for [ ] Go  
or browse University Keyword Title Researcher/Guide Submit Date  
Departments in this University  
Center for Development Studies [36]  
Center for Historical Studies [27]  
Center of Educational Studies [1]  
Central Drug Research Institute [107]  
Centre for Biotechnology [36]  
Centre for Cellular and Molecular Biology [75]  
Centre for Diplomacy, International Law and Economics [0]  
Centre for International Politics Organisation and disarment [4]  
Centre for Molecular and Cellular Biology [65]

**Recent Submissions**  
Logo  
Conflict management in the Third World with special reference to Indias role in sri Lanka  
Mexican intellectuals perception of nationalism during 1900 to1930  
Indonesias policy on regional security, 1976 to 1987  
Agricultural involution, rural differentiation and economic impasse : a comparative study of two villages in Bangladesh  
The impact of the abolition of caliphate on Pan Islamism in India  
RSS Feeds  
RSS 2.0 RSS 2.0  
RSS

16:25  
14-07-2014

# JNU's ETDs at Shodhganga



**Search Shodhganga**

**Advanced Search**  
**Subject Search**

Home

**Browse**

- Universities & Departments
- Submit Date
- Researcher/Guide
- Title
- Keyword
- University

**Top 5 Contributing Universities**

- Jawaharlal Nehru University [2420+]
- Bundelkhand University [1520+]
- Cochin University of Science & Technology [1270+]
- Mahatma Gandhi University [1190+]
- Anna University [730+]

Indian ETD Repository @ INFLIBNET >  
Jawaharlal Nehru University >  
Center for Development Studies >

**Browsing "Center for Development Studies" by Title**

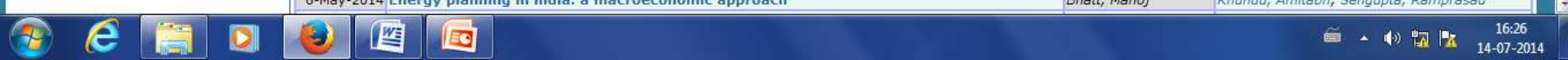
Jump to: **0-9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z**

or enter first few letters:

Sort by: title In order: Ascending Results/Page 20 Contributors/Record: All

Showing results 1 to 20 of 36  
next >

Submit Date	Title	Researcher	Guide(s)
23-Jan-2014	Access to and utilisation of health care services in Kerala patterns and determinants	Sarkar, Deepa	Narayana, D
6-May-2014	Agricultural labour in West bengal: an analysis of changes in the conditions of employment	Barua, Kakali	Shrivastva, Ravi
6-Jan-2014	Aspects of dualism in India's urban labour market	Mohan, Navelia Chanvra	Vaidyanathan, A
24-Feb-2014	Commercial capital and agrarian structure: a study of guntur tobacco economy	Duvvury, Nata	Krishnaji, N
23-Jan-2014	Competition barriers to entry and productivity growth in Indian manufacturing	Babu, Suresh M	Pushpandadan, K
5-Mar-2014	Demographic response to economic crisis	James, K S	Zachariah, K C
8-Mar-2014	Dynamics of Bovine economy of Tamil Nadu: an analysis of factors, processes and implications	Dhas, Albert Christopher R	Nair, K N
5-Mar-2014	Dynamics of industrial cooperatives: a study of traditional industries in Kerala	Raghavan, Pyaralal	Thomas, T M
7-May-2014	The economic burden of health care spending by Urban households in India	Chowdhury, Samik	Kundu, Amitabh
13-Jan-2014	Economic mobility of rural households : a study of Kurnool district in Andhra Pradesh (c.1860-1989)	Rajashekhar, D	Rao, G N
6-May-2014	Energy planning in india: a macroeconomic approach	Bhatt, Manoj	Khundu, Amitabh; Sengupta, Ramprasad



# What next?

- e-Thesis Tracking System
  - JNU Thesis Tracking System in place
  - Designed, developed, implemented and maintained in-house
  - Web based software, accessible by only authorized users
- Repository of PhD Proposals
  - ShodhGangotri
    - Repository of Indian Research in Progress details (Synopses/Research Proposals for PhD programme)
    - Developed and maintained by INFLIBNET
  - Similar solution for JNU is proposed

# JNU's e-Thesis Tracking System

- Records of more than 1600 theses & dissertations available in the system
- Presently the software has 17 steps of workflow from Examiner panel entry to Award of degree
- Three new steps of workflow are being developed
  - To collect correct information from School level
  - To get approved synopsis/proposal at right time
  - To make sure collection of final thesis in appropriate format before award of the degree.



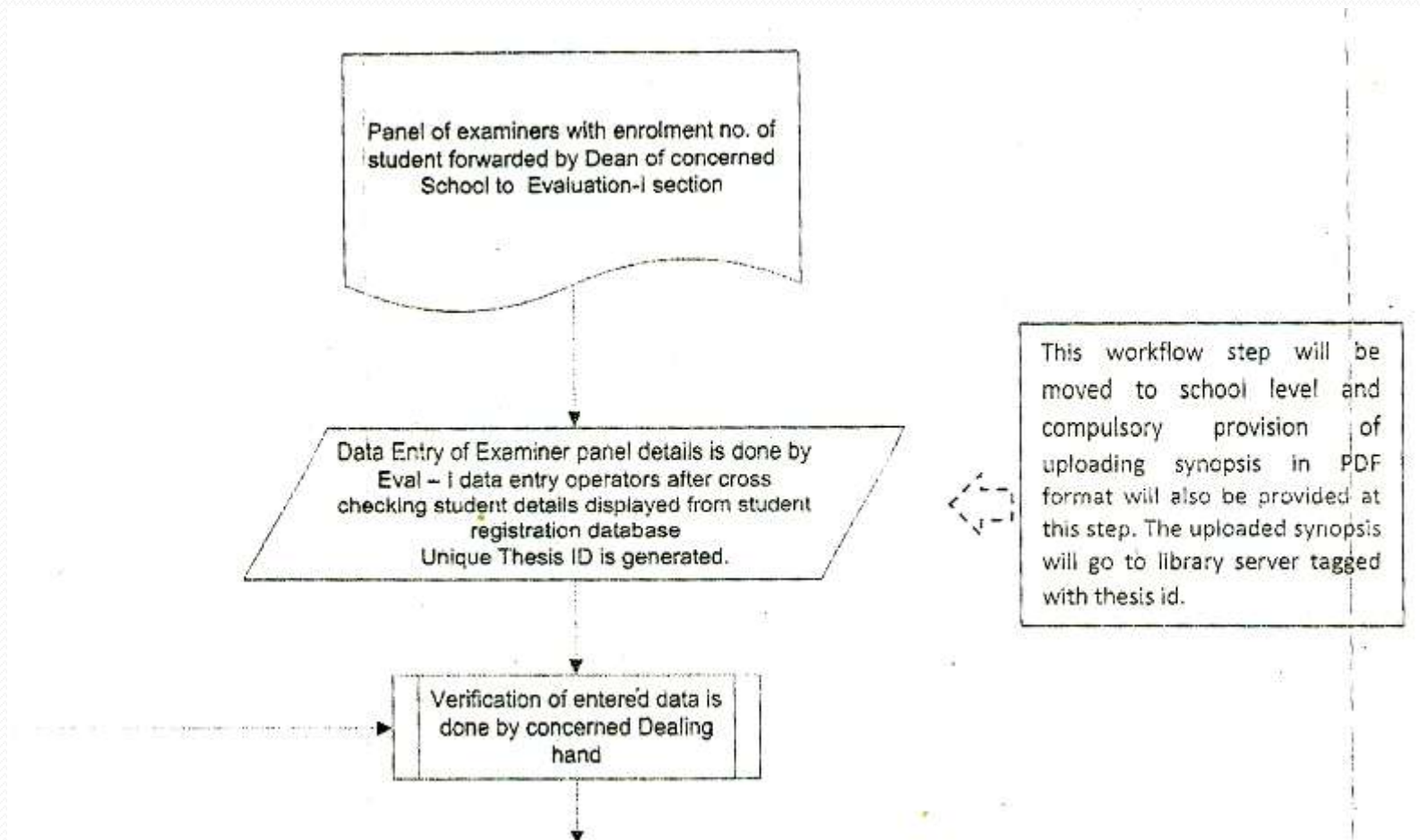
# JNU Thesis Tracking System

- ❖ Thesis Tracking System is a web based software which has been developed in-house at JNU to speed up and streamline the workflow of processing the thesis / dissertations in the Evaluation branch. The software is available to authorized users on JNU network. Presently the system contains more than 1600 thesis / dissertation records with up-to-date status\*.
- ❖ The software and automated system has been designed, developed, implemented and maintained by **Mr. Tarun Pant**, Systems Analyst, E-Governance Cell(CIS), JNU. Mr. Amogh Batra of E-governance cell has provided Students Registration database connectivity. The software development has been done over one and half year, and implementation has taken two months time.
- ❖ Presently the software has 17 steps of workflow from Examiner panel entry to Award of degree, details of which are explained in following slides. The authorized users can access the system by opening the following link in their web browser: **[thesistracking.jnu.ac.in](http://thesistracking.jnu.ac.in)**

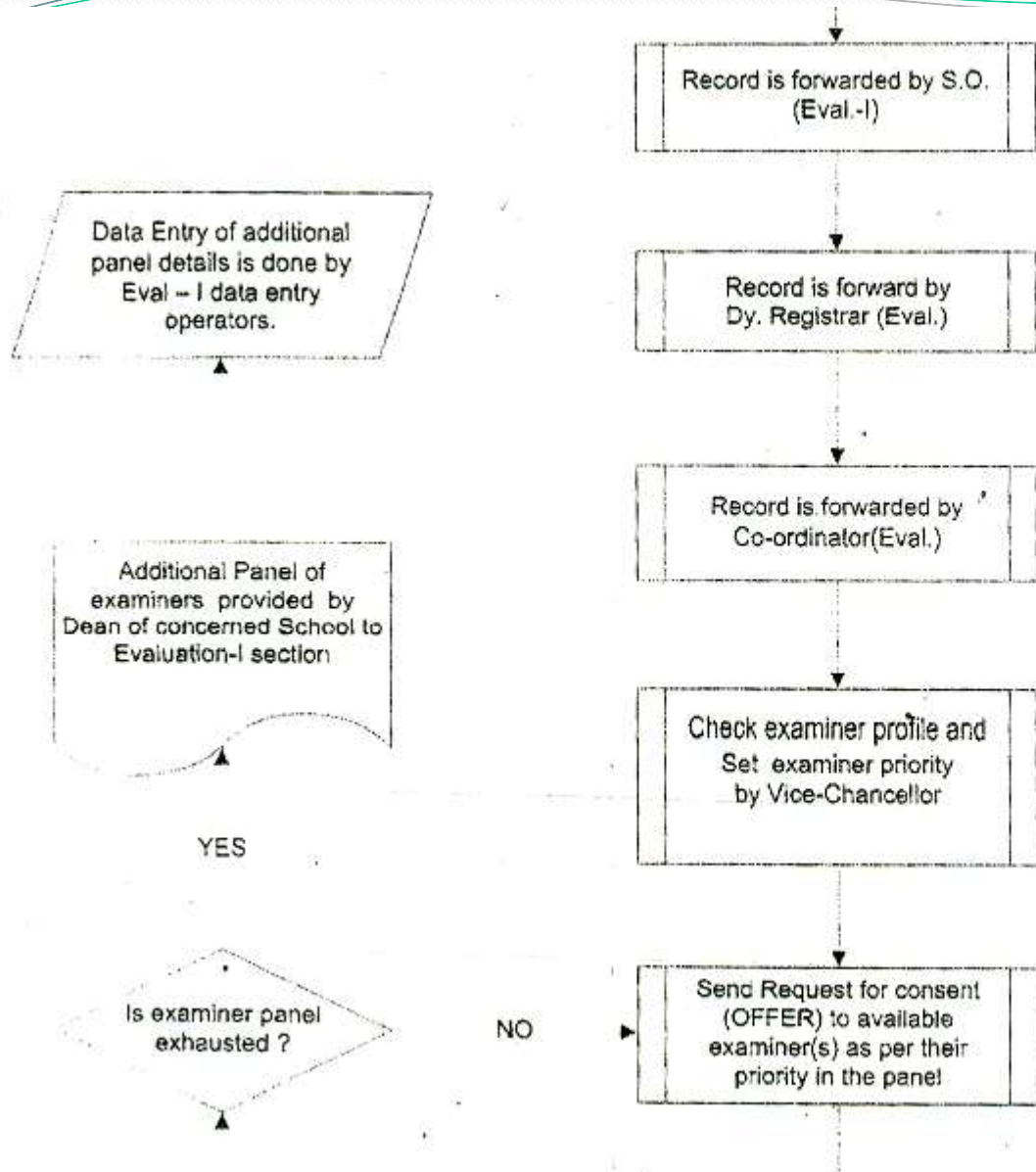
The software screenshots contain dummy data (dummy thesis and examiner records picked randomly from test instance of thesis tracking system). Still as a precaution, parts of screenshots have been obfuscated with pink coloured blocks wherever there are confidential data portions.



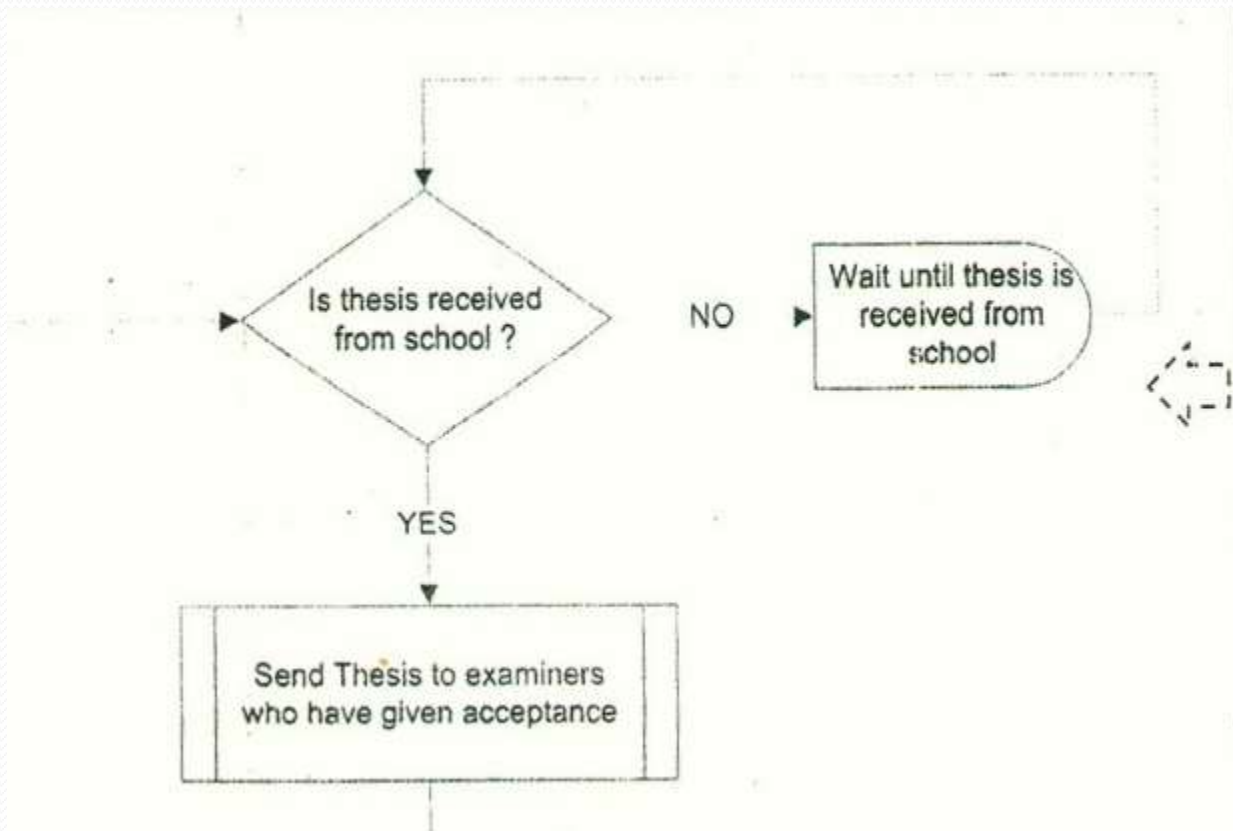
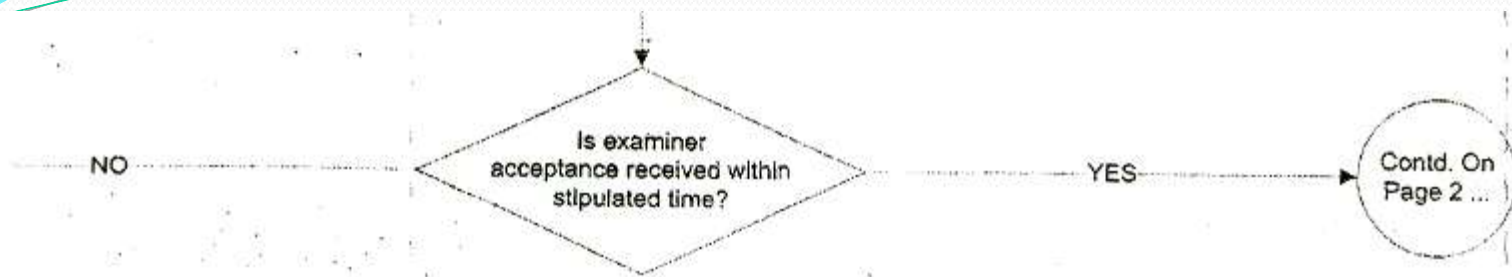
# Flow Chart of JNU's E-Thesis Tracking System



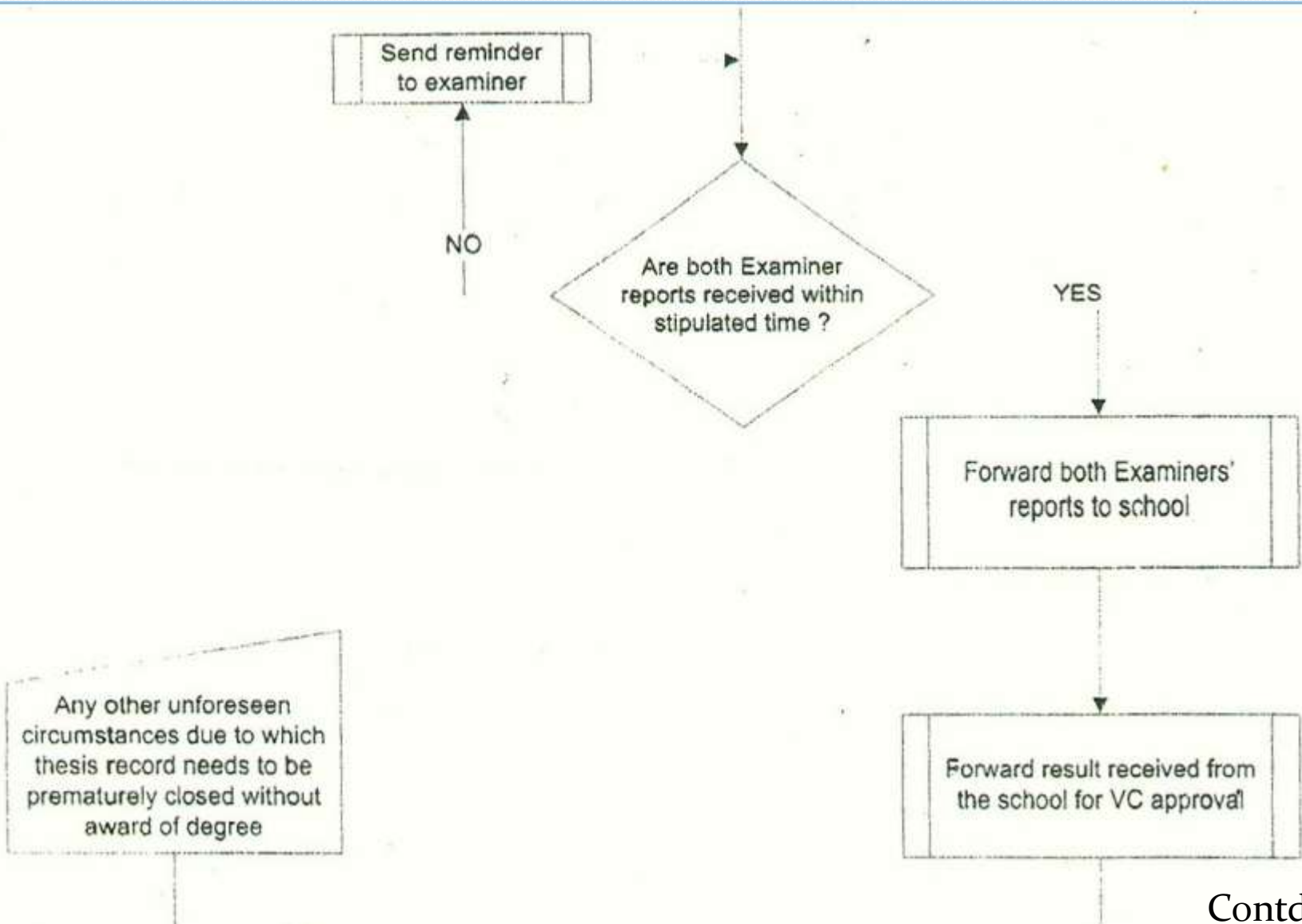
Contd./-



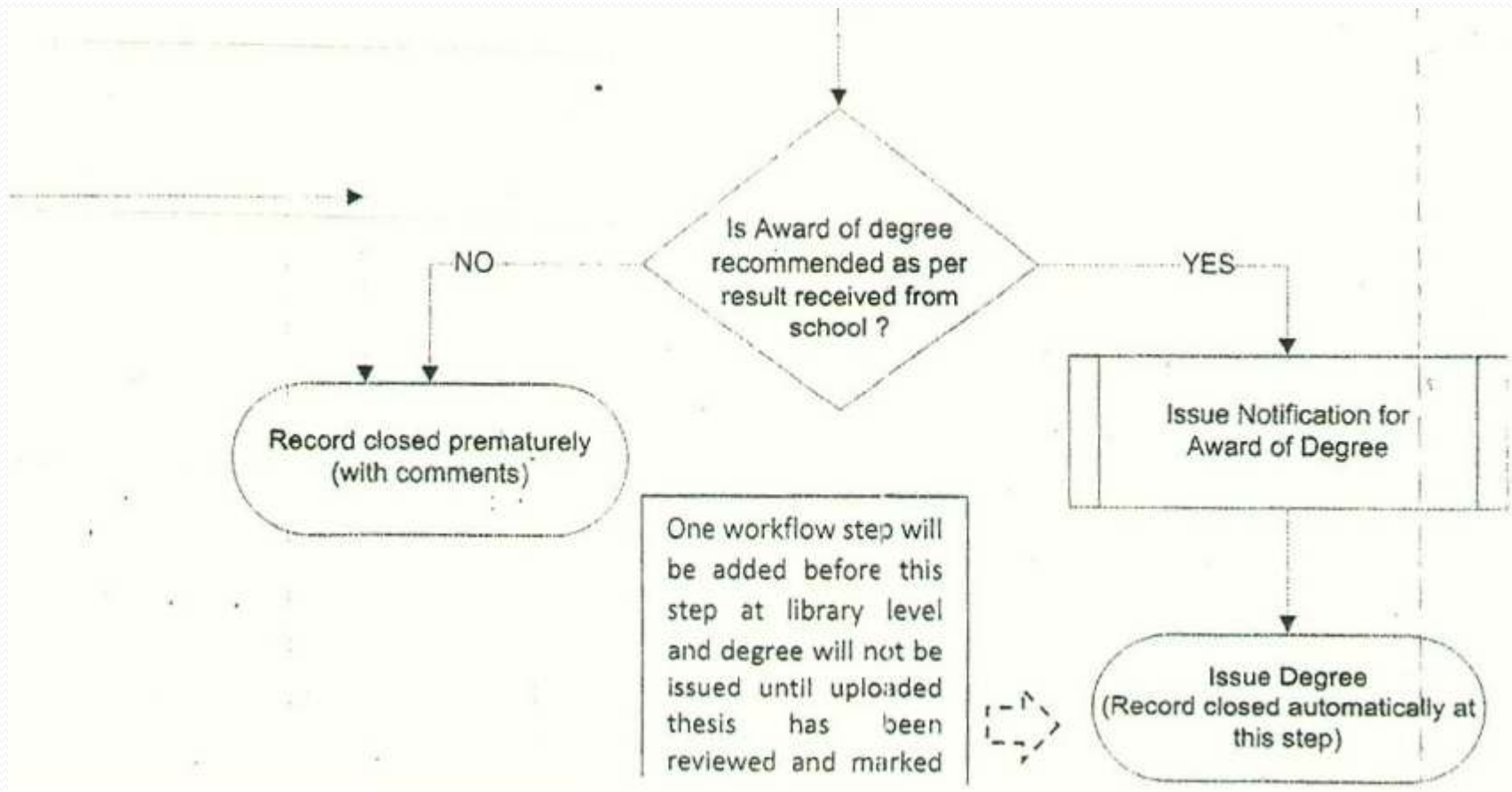
Contd./-



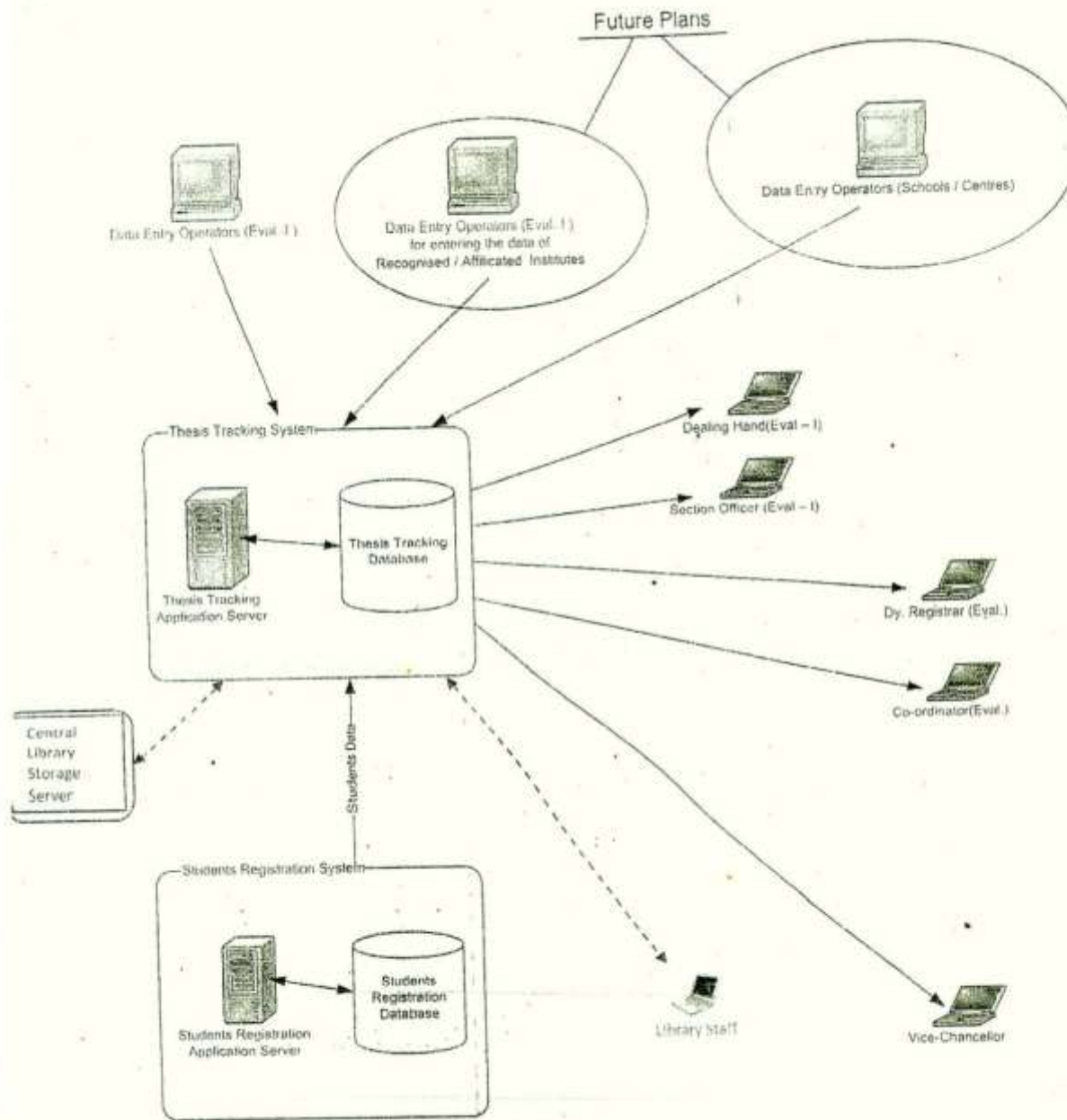
One workflow step will be added before this step at school level and compulsory provision of uploading thesis in PDF format will be provided at this step. The uploaded thesis will go to library server tagged with thesis id.



Contd./-







**Enterprise Application diagram for JNU Thesis tracking system**  
 ( Direction of arrows indicates the primary flow of data between the components / computers )



Jawaharlal Nehru University

JNU Home Page

Thesis  
Tracking System

Select your login method

Service branch ID

JNU Internet ID

Software Architect : TARUN PANT (tarunpant@mail.jnu.ac.in)  
Graphics Design : SUDHR PATWAL (spatwal@mail.jnu.ac.in)  
School of Computational & Integrative Sciences  
Jawaharlal Nehru University, New Delhi

## First screen: Select your login method

This screen offers two options for user access: One is Service branch ID, which can be provided to authorized user by the concerned department (in this case Evaluation – I section). Other option is through JNU Internet ID of authorized user (this option is yet to be activated for this software, but already being used in JNU Helpdesk system).



Jawaharlal Nehru University

Thesis  
Tracking System



Evaluation  
branch ID

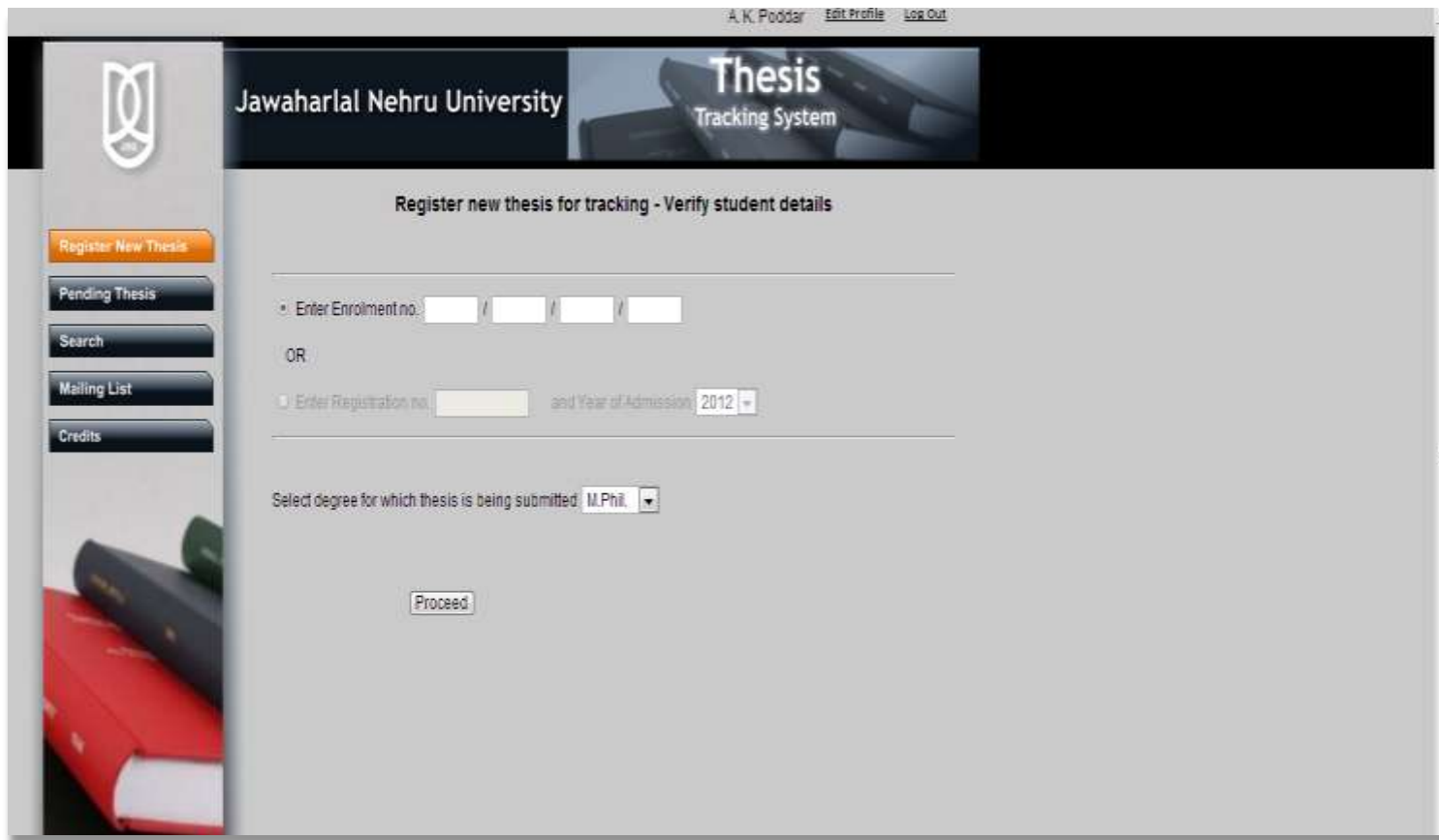
Password

Login

Software architect: **TARUN PANT** (tarunpant@mail.jnu.ac.in)  
Graphics Design: **Smitir Patwa** (spatwa@mail.jnu.ac.in)  
School of Computational & Integrative Sciences  
Jawaharlal Nehru University, New Delhi

## Next Step: Enter your ID and Password

This is a screenshot of authentication using user ID provided by Evaluation-I section.



## Default screen after login: Register New Thesis for tracking

When a fresh examiner panel from school arrives in Evaluation-I section for VC approval, its full details are entered into the system. For this step entering Enrolment no. of the student is compulsory.



Register new thesis for tracking - Thesis specific details

Register New Thesis

Pending Thesis

Search

Mailing List

Credits

Name ANUPAM PRADHAN Enrolment no. 11 / 10 / UC / 4

Registration no. 60433 Year of Admission 2011 Programme of study M

School SCS Center SCS Nationality Indian

Please enter below details:

Title of thesis

New Power optimization techniques for short range wireless networks

Select no. of co-guides 1 Select no. of external examiners(proposed) 5

<< Back

Proceed >>

## Thesis Specific details

On entering the enrolment no. of the student, the student details are displayed from the student registration database of JNU (courtesy: E-governance cell). Here thesis specific details such as Title of thesis, and no. of co-guides(if any) / external examiners have to be entered.



## Register new thesis for tracking - Submit Examiner details

## Thesis guide details

S.No.	Select guide (optional)	Title	Name	Designation	E-mail	Organisation	Address Line 1	Ad
Thesis guide:	D.K. Lobiyal	Dr.	D.K. Lobiyal	Associate Professor		SC&SS,JNU	SC&SS,JNU	New Delhi
Co-Guide #1	Zahid Raza	Dr.	Zahid Raza	Assistant Professor		SC&SS,JNU	SC&SS,JNU	New Delhi

Note: Fields highlighted in yellow are compulsory

## External Examiner Details

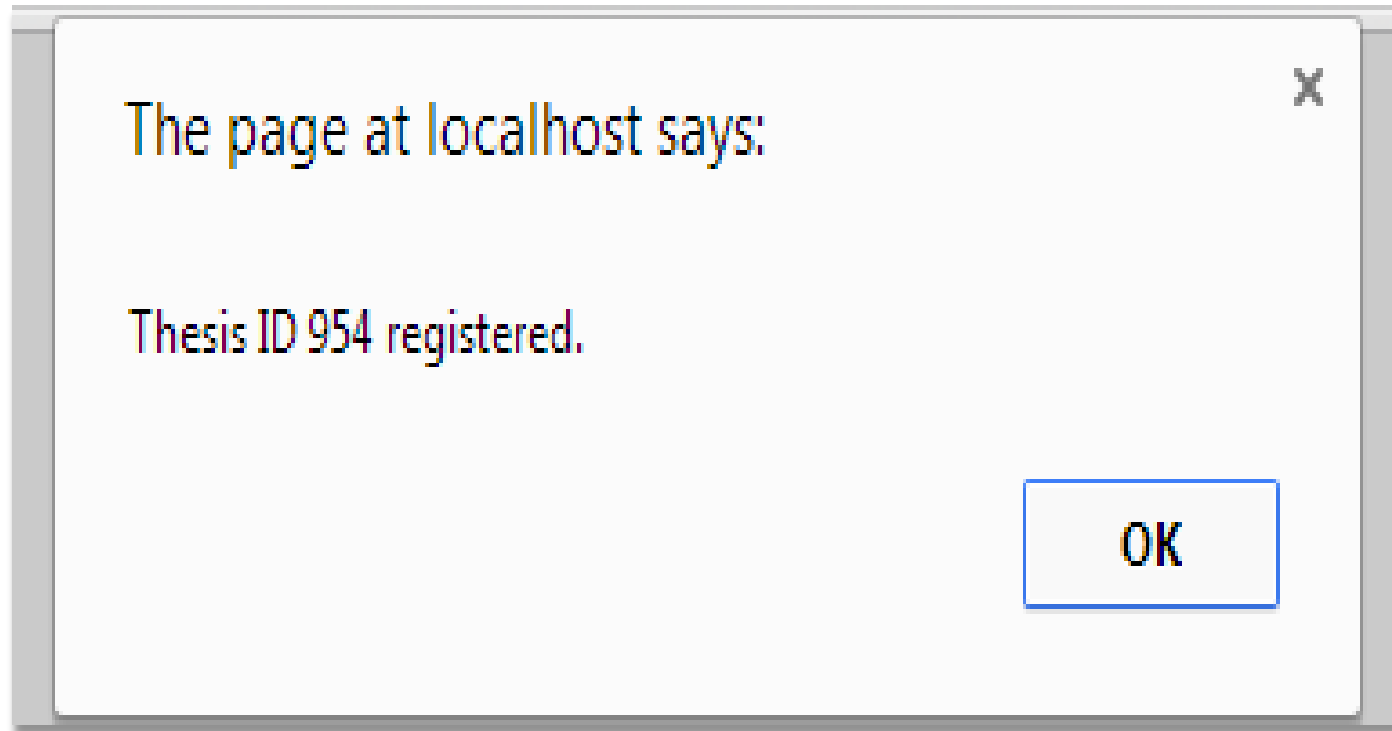
S.No.	Select examiner (optional)	Title	Name	Designation	E-mail id(s)	Contact no(s)	Specialisation	
1		Prof.		Professor			Intelligent Databases, Data Mining	Dept. of Computer Sci
2		Prof.		Professor			Ad Hoc Network	University School of Inf
3		Prof.		Head			Distributed Computing Cloud Computing & Soft Co	Dept. of CS, University
4		Dr.		Associate Professor			Optimization, Discrete Structures	Dept. of Mathematics II
5		Dr.		Associate Professor			Natural Language Processing	Dept. of Computer Sci

&lt;&lt; Back

Submit &gt;&gt;

## Enter Guide(s) / Examiners' details

Here full details of guide(s) / panel of External examiners such as Name, Designation, Organization, Specialization, E-mail, Contact no., Correspondence Address are entered by data entry operators at Evaluation-I section. A drop down list of recently entered examiners' data is also available to avoid re-typing of recently entered similar data. It is planned to move this data entry step at centre / school level by providing login ids / passwords at school level after certain operational pre-requisites for the system are fulfilled by concerned departments.



## Thesis details registered successfully

Above dialog box is displayed to confirm the successful entry of record, and unique thesis ID generated by the thesis tracking system is also displayed.



- Register New Thesis
- Pending Thesis
- Search

### Thesis Details

Thesis ID  Paper file no.

Name of Student  Degree

School  Center  Enrolment no.

Category  Nationality  Gender

Update Date  Record close date


Title of thesis:

Status:

- 
- 
- 
- 
- 
- 
- 

## Public Thesis details screen appears now

Public details of the thesis are now visible on this screen. For checking confidential details, MORE DETAILS button is available to Evaluation staff. Workflow changes done by authorized users with exact date and time of actions taken in reverse chronological order are available through VIEW WORKFLOW LOG button.



Data Entry of thesis record is  
complete

Now we will proceed to next step in the workflow:  
Verification of record by Dealing hand...



- Register New Thesis
- Pending Thesis
- Search

### Search thesis tracking records

Enter any one or a combination of below criteria

Thesis ID  Paper File no.

Student name (or part of name)

Enrolment no.  /  /  /

Registration no.  Year of Admission

School   
CLG  
CMM  
CSS

Degree

Status

Thesis registration date From:  To:

Thesis title(any keyword)

Search

## Dealing hand enters criteria to list his/her relevant records

Search button is available to search relevant records pertaining to a dealing hand by selecting appropriate criteria (in this case Degree and school dealt by that dealing hand).





[Print this page](#)

Register New Thesis

Pending Thesis

Search

### Search result

Status as on 23-10-2013 12:47:46

[First](#) [Previous](#) [Next](#) [Last](#)

S.No.	Thesis ID	Paper file no.	Status	Last update
1	<a href="#">752</a>		Pending - Verification by Dealing hand (Eval)	04-10-2013 12:52:48
2	<a href="#">924</a>		Pending - Verification by Dealing hand (Eval)	14-10-2013 11:48:51
3	<a href="#">943</a>		Pending - Verification by Dealing hand (Eval)	17-10-2013 16:40:27
4	<a href="#">954</a>		Pending - Verification by Dealing hand (Eval)	23-10-2013 09:58:18

Records: 1 to 4 of 4

Report generated by: Bhuwan Singh (bsingh)

## Relevant records are listed

Individual record details can be opened by clicking on the Thesis ID link of each record...



Register New Thesis

Pending Thesis

Search

### Thesis Details

Thesis ID:  Paper file no.:

Name of Student:  Degree:

School:  Center:  Enrollment no.:

Category:  Nationality:  Gender:

Update Date:  Record close date:

Title of thesis

New Power optimization techniques for short range wireless networks

Status:

## Public Thesis Details of the thesis selected appears

Currently opened record is showing status : PENDING – VERIFICATION BY DEALING HAND (EVAL.)

Now Dealing hand has to press TAKE ACTION button to verify thesis details of currently open record...

## Verify record details

Thesis Details 

Thesis ID 954

Thesis Title

New Power optimisation techniques for short range wireless networks

## Guide(s) Details

S.No.	Unique ID	Title	Name	Designation	E-mail id	Organisation	Address Line 1	Address Line 2
1	995	Dr.	D.K. Lohiyal	Associate Professor		SC&SS_JNU	SC&SS_JNU	New Delhi
2	996	Dr.	Zahid Raza	Assistant Professor		SC&SS_JNU	SC&SS_JNU	New Delhi

Note: Fields highlighted in yellow are compulsory

## Examiner Details

S.No.	Unique ID	Relative Priority	Title	Name	Designation	E-mail id(s)	Contact no(s)	Specialisation	Organisation
1	3560	1	Prof.		Professor			Intelligent Databases, Data Mining	
2	3561	2	Prof.		Professor			Ad Hoc Network	
3	3562	3	Prof.		Head			Distributed Computing Cloud Computing & Soft Co	
4	3563	4	Dr.		Associate Professor			Optimization, Discrete Structures	

## Verification step

Here the thesis record such as Thesis title, Guide(s) details, External Examiners' details can be checked and corrected (if needed). On completing this step, the workflow moves to Forward by S.O.(Eval.-I), D.R.(Eval.), C.E. respectively where these authorities can check the details as in screenshot above, make corrections(if any), and forward the workflow to next step. After record is forwarded by C.E., it will show in the Pending list of Vice-Chancellor...

## Change / Verify examiner priority

Thesis ID 

New priority	S.No.	Examiner	Search Google Scholar	Designation	Organisation	Specialisation	Address Line 1	Address Line 2	Address Line 3	Address Line 4
<input type="button" value="1"/>	1	[Redacted]	<a href="#">Google Scholar</a>	Professor	Dept. of Co	Intelligent Databases, Data Mining	De	& A		
<input type="button" value="2"/>	2	[Redacted]	<a href="#">Google Scholar</a>	Professor	Universit	Ad Hoc Network	Univ	ori		
<input type="button" value="3"/>	3	[Redacted]	<a href="#">Google Scholar</a>	Head	Dept. of C	Distributed Computing Cloud Computing & Soft Computing	D			
<input type="button" value="4"/>	4	[Redacted]	<a href="#">Google Scholar</a>	Associate Professor	De	Optimization, Discrete Structures	D			
<input type="button" value="5"/>	5	[Redacted]	<a href="#">Google Scholar</a>	Associate Professor	Dept. of Co	Natural Language Processing	De			

Add Comments (if any)

## External Examiner priority selection by Vice-Chancellor

On clicking a record in pending list of VC, above screen appears. On this page links are given to Search Web of Knowledge database and Google Scholar for each examiner based on "Examiner Name + Specialization" criteria. Depending on the result of these searches, VC can take an informed decision and select/change priority of examiners' in the panel. The workflow is then forwarded to next step, i.e. Send Request for Consent to examiners' (as per their new priority)...



Register New Thesis

Pending Thesis

Search

Verify - Request for consent sent to examiners

Thesis ID

Examiner Details

Relative Priority	Title	Name	Action 1	Action 2	Request sent date	Examiner response
1	Prof.	[Redacted]	Send e-mail	Print letter	23-10-2013	
2	Prof.	[Redacted]	Send e-mail	Print letter	23-10-2013	
3	Prof.	[Redacted]	Send e-mail	Print letter		
4	Dr.	[Redacted]	Send e-mail	Print letter		
5	Dr.	[Redacted]	Send e-mail	Print letter		

Add Comments (if any)

## Send Request for consent to examiners

Request is sent through the software to 2 external examiners (in case of Ph.D. thesis) and 1 external examiner (in case of M.Phil. / M.Tech. dissertation) for evaluation. Preferably request is sent through E-mail by the software, if examiner's e-mail ID is available in the record, otherwise hard copy of letter is generated by the system and sent to correspondence address of the examiner. After the request is sent successfully, the Request sent date is updated in the software accordingly...





- Register New Thesis
- Pending Thesis
- Search

Verify - Receipt of examiners' consent

Thesis ID

Examiner Details

Relative Priority	Title	Name	Request sent date	Examiner response	Response receipt date
1	Prof.	[Redacted]	23-10-2013	-- Select --	
2	Prof.		23-10-2013	Accepted	
3	Prof.			Regretted	
4	Dr.			No response	
5	Dr.			Mail undelivered	

Add Comments (if any)

## Receipt of examiners' response

Once examiner's response is received through e-mail / post, it is updated in the system as Accepted / Regretted / Late response. Also Response receipt date is recorded. If an examiner does not respond within 5 days by e-mail, or within 15 days by post, or in case of Mail Undelivered, the offer is sent to next examiner in priority by marking it as NO RESPONSE and going to previous step in the workflow.

Jawaharlal Nehru University  
Thesis Tracking System

Register New Thesis  
Pending Thesis  
Search

Verify - Receipt of thesis from school

Thesis ID

Date of receipt of thesis in evaluation branch:  X

Add Comments (if any)

<< Save & Reverse workflow    Save only    Save & Forward workflow >>

<< Back to thesis details

## Receipt of thesis from school

In this step date of receipt of thesis from school is recorded into the system without which system will not allow the dealing hand to proceed further. Next comes the step of sending thesis copy to examiners...

[Register New Thesis](#)[Pending Thesis](#)[Search](#)

## Verify - Thesis sent to examiners

Thesis ID 

## External Examiner details

Relative Priority	Name	Examiner response	Action	Thesis forward date
1	Prof. [REDACTED]	Accepted	<a href="#">Print cover letter</a>	
2	Prof. [REDACTED]	Accepted	<a href="#">Print cover letter</a>	
3	Prof. [REDACTED]		<a href="#">Print cover letter</a>	
4	Dr. [REDACTED]		<a href="#">Print cover letter</a>	
5	Dr. [REDACTED]		<a href="#">Print cover letter</a>	

Add Comments (if any)

[<< Save & Reverse workflow](#)[Save only](#)[Save & Forward workflow >>](#)

## Send Thesis to examiners

Cover letter to be sent along with the thesis is generated through the system and date of sending the thesis to each examiner is recorded. Then Report of examiners is awaited...

## Verify - Receipt of Examiners' report

Thesis ID 

## External Examiner Details

Relative Priority	Name	Thesis forward date	Report	Report receipt date	Action 1	Action 2	Reminder count	Reminder sent date
1	Prof. [REDACTED]	24-10-2013	Ok	23-10-2013	E-mail reminder	Print reminder	0	
2	Prof. [REDACTED]	24-10-2013	Ok	23-10-2013	E-mail reminder	Print reminder	0	
3	Prof. [REDACTED]		-- Select --		E-mail reminder	Print reminder	0	
4	Dr. A		-- Select --		E-mail reminder	Print reminder	0	
5	Dr. V		-- Select --		E-mail reminder	Print reminder	0	

Add Comments (if any)

&lt;&lt; Save &amp; Reverse workflow

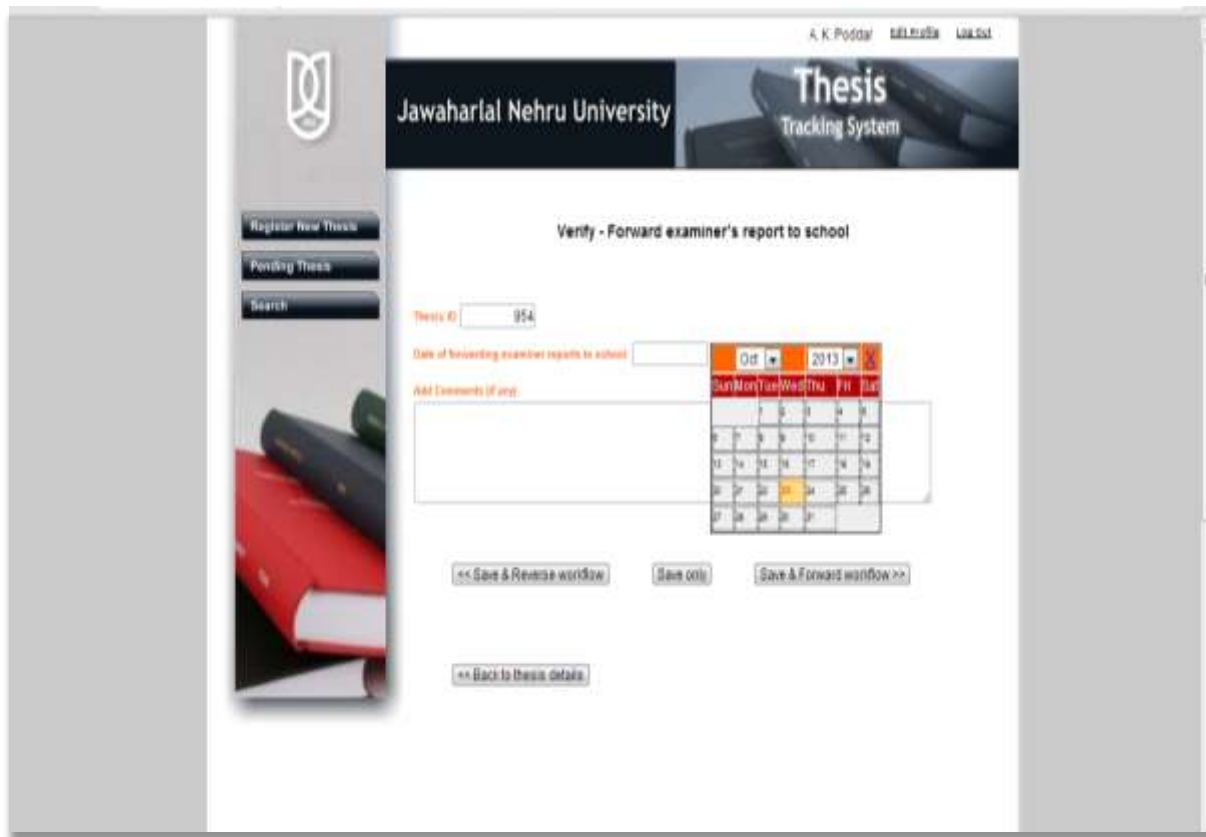
Save only

Save &amp; Forward workflow &gt;&gt;

Back to thesis details

## Receipt of examiners' report

Once examiner's report is received, it is updated in the system as Ok / Revision required / Rejected for that examiner. Also Report receipt date is recorded. In case of Thesis undelivered to the examiner or Examiner expressing inability to evaluate the thesis, the offer is sent to next examiner in priority by marking it as such and going back to relevant step in the workflow. In case no response is received within stipulated period, sequentially numbered reminder(s) can be sent through the system, with provision for recording the date and number of last reminder sent...



## Forward examiners' reports to school

When reports of both the examiners are received, they are forwarded to school and date of forwarding the reports is recorded in the system. Then receipt of result from school is awaited...







Register New Thesis

Pending Thesis

Search

Verify - Send result to VC for approval

Thesis ID

Recommendation date

Date of sending result to VC for approval

Add Comments (if any)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

## Send result to VC for approval

Date of sending result to VC for approval is recorded in the system. The approval note is also automatically generated through the software. Then approval of result from VC is awaited...



- Register New Thesis
- Pending Thesis
- Search

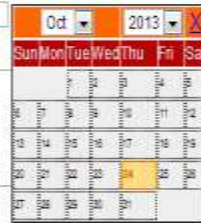
Verify - Receipt of VC approval

Thesis ID

Date of receipt of VC approval:

VC approval date

Add Comments (if any)



<< Save & Reverse workflow

Save only

Save & Forward workflow >>

<< Back to thesis details

## Receipt of VC approval

Date of receipt of VC approval note in Evaluation – I is recorded in the system, along with Date of approval by the VC. Then next step is Issue of Notification for Award of Degree...



Register New Thesis

Pending Thesis

Search

Verify - Notification issued

Thesis ID

Please Enter Notification No.

Add Comments (if any)

<< Save & Reverse workflow

Save only

Save & Forward workflow >>

## Issue of Notification

The Notification letter is generated automatically from the software with auto-generated reference no.

Notification no. allotted by Evaluation – I is also recorded in the system.

[Register New Thesis](#)[Pending Thesis](#)[Search](#)

Verify - Degree issued

Thesis ID Enter Degree no. 

Add Comments (If any)

[<< Back](#)[Verification done. Proceed >>](#)

## Issue of Degree

In this step, Degree no. is recorded in the system. With completion of this step, the workflow of thesis tracking for the particular thesis in question comes to an end and the record is closed. The record is no more visible in the pending list. However the record is available in the system for future reference.

## Special cases

**Premature closure of record:** Due to some unforeseen reason, the record may have to be closed prematurely before its proper conclusion i.e. Award of Degree in the workflow. For such cases there is a provision to prematurely close the record with comments. The record can be immediately closed by S.O. (Eval.- I) and available for future reference. The record will be no more visible in pending list.

**Requirement of additional panel of examiners:** In case the existing panel of examiners is exhausted due to poor response from examiners resulting in incomplete quorum, there is provision in the system for adding to existing thesis record additional panel of examiners sent from the school and approved by VC through the system.

# Upcoming features in Phase-II:

## Evaluation Branch related

- ❖ It is planned to move the data entry step at centre / school level by providing login ids / password at school level after certain operational pre-requisites for the system are fulfilled by concerned departments.
- ❖ Presently the system is able to process thesis of JNU schools / centres as the student registration database was available for JNU students. However thesis submitted by students of affiliated institutes can be covered, once their database is built by Evaluation-I and related procedures planned and executed by E-governance Cell(CIS).



# Upcoming features in Phase-II:

## Central Library related

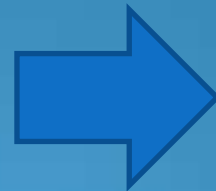
- ❖ Providing provision of uploading of synopsis in searchable PDF format by school/centre at the time of panel of examiner's entry. The uploaded synopsis will be stored in library storage server tagged with thesis tracking number
- ❖ Providing provision of uploading of thesis in searchable PDF format by school/centre before sending hard copy to Evaluation branch. The uploaded thesis will be stored in library storage server tagged with thesis tracking no. Scanned copy of following documents will be uploaded along with thesis : Authentication certificate, Metadata form, Consent form for digital archiving, other accompanying materials such as audio/video (if any).
- ❖ Providing provision for downloading the synopsis and thesis in pdf format, and posting of comments with review status by authorised Library staff. Degree can be issued only after go ahead has been provided by the Library. Printing of e-thesis submission certificate from library will also be included in this step.
- ❖ Providing provision for suitable data import interface to the Central Library, so that Student profile and thesis title can be read by Library from the thesis tracking system.

# Maintenance required

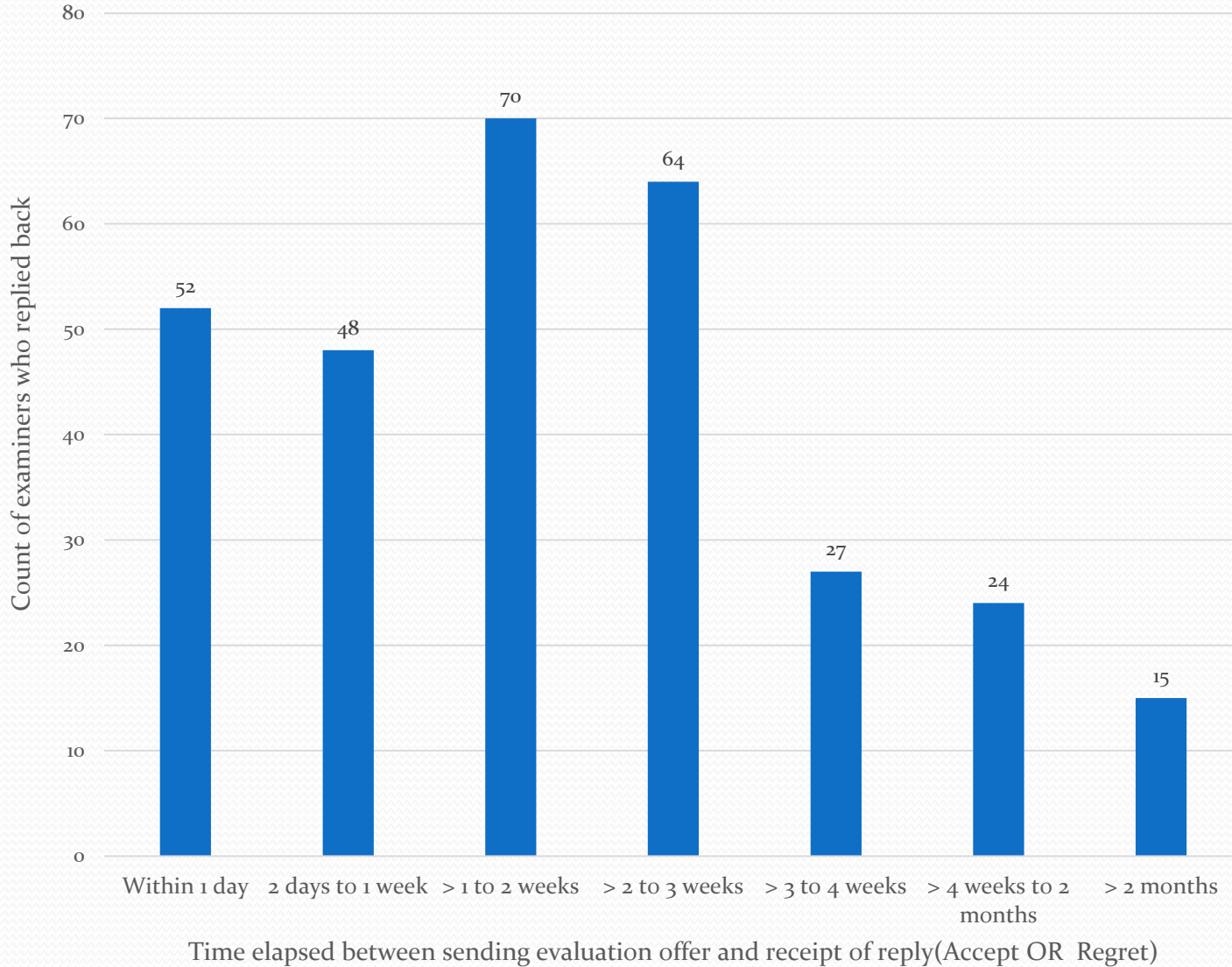
- ❖ The system will need constant maintenance, as it handles a myriad of cases at every step of thesis workflow. Although most of the situations which can arise have been taken into consideration by the developer by personally monitoring the thesis processing activities for two months in Evaluation-I section, new variations keep on coming from time to time. Correspondence formats, credits, other static information which are permanently fed into the software keep on changing with time. Software updates for such changes have to be applied from time to time. Also any issues reported in the system by users have to be diagnosed and rectified.
- ❖ Thesis records database will also grow larger as more records are entered. With passage of time, users will start experiencing slow response time of system due to searching large no. of records. Hence database will have to be reorganized / optimized to deal with such scenarios. Also much faster server will be needed for hosting the thesis tracking system in future. Disaster recovery strategy and solutions also have to be considered.
- ❖ Full Technical Documentation of the software has to be completed to enable any other IT professional to maintain the software in future in the absence of developer.

Hence for above activities the software will need periodic maintenance by the developer / other staff averaging a couple of hours per day.

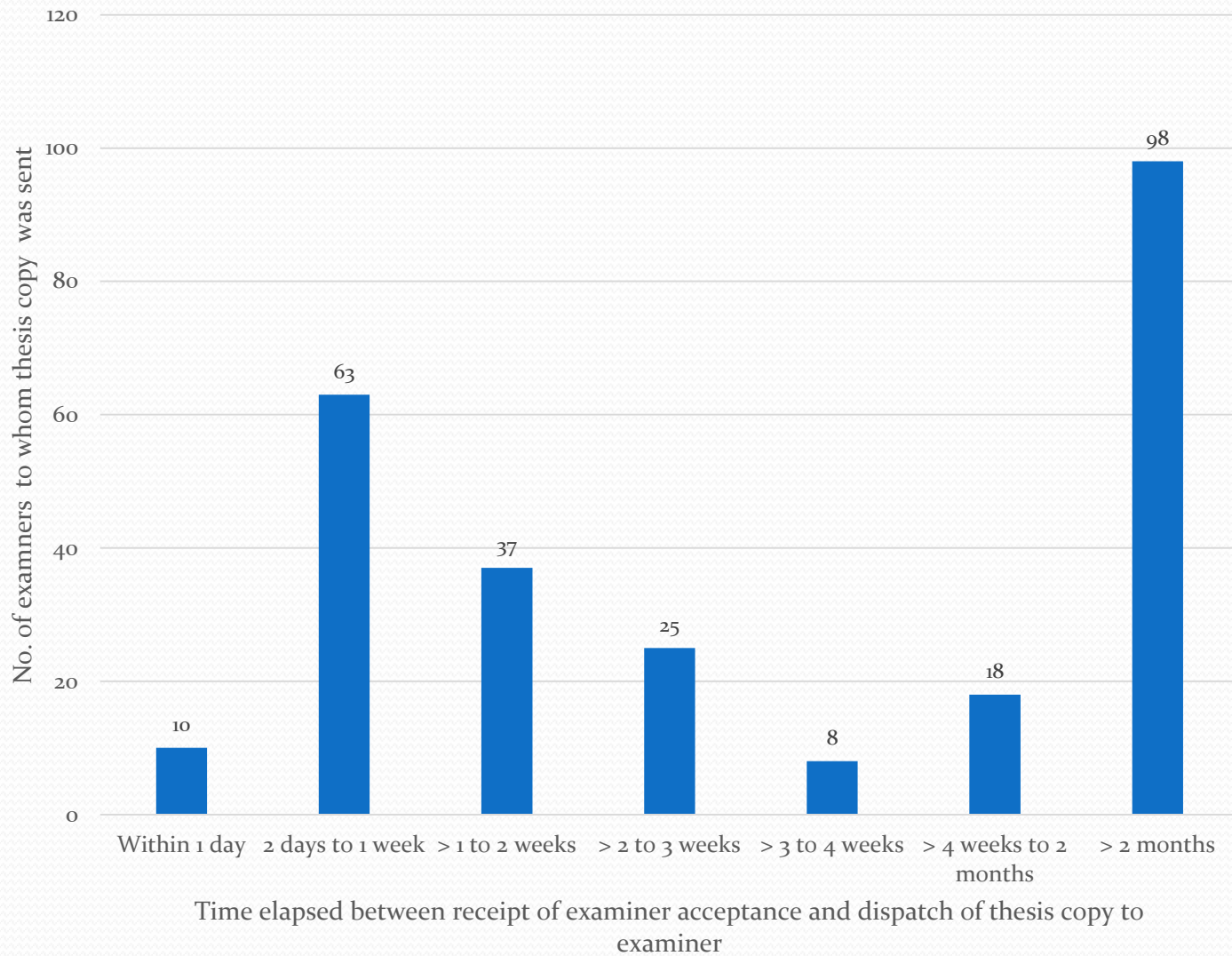
Some statistics from the  
thesis tracking database...



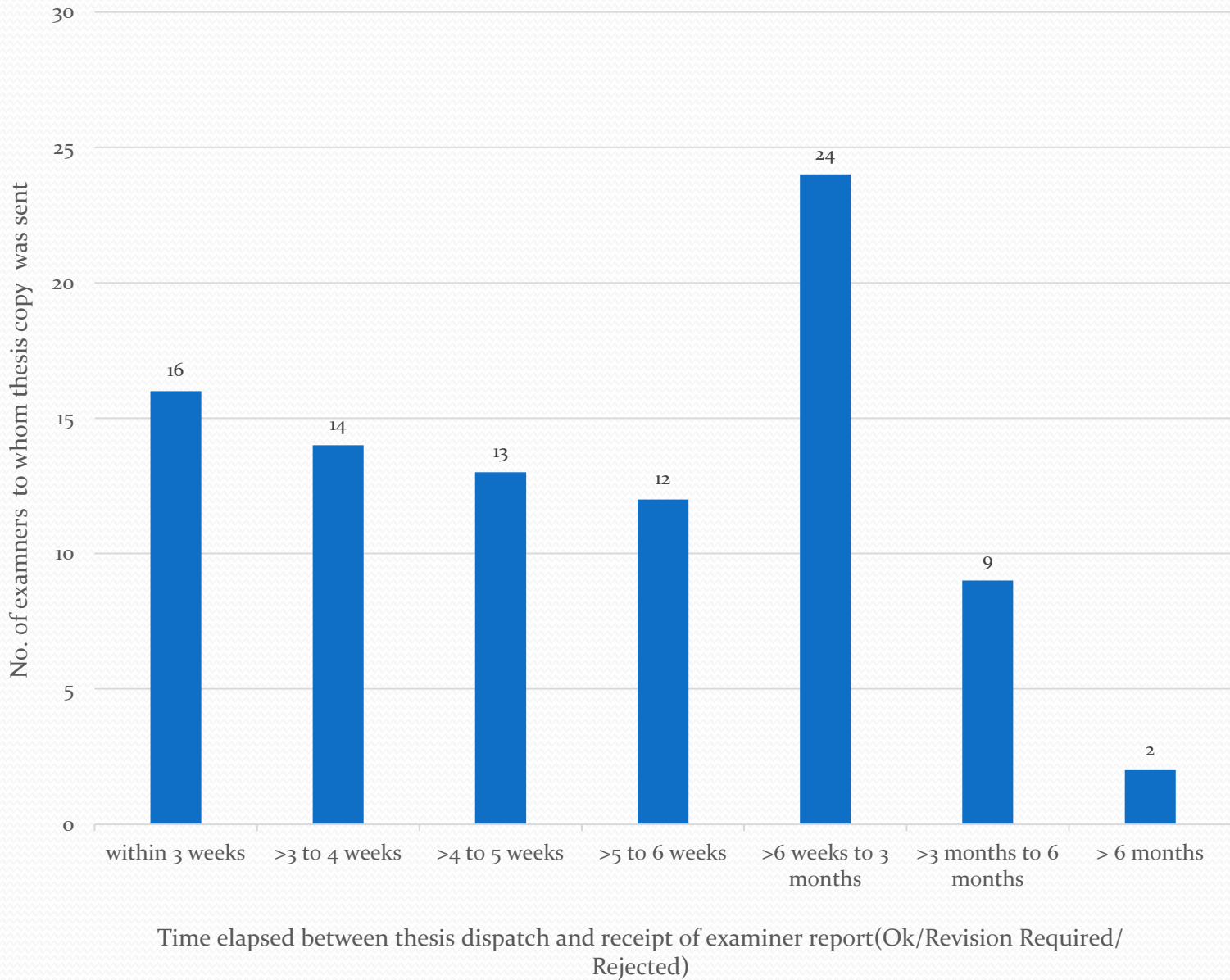
## Examiner response time for offer of evaluation sent to 301 examiners



### Dispatch time for 259 thesis after acceptance (including cases where thesis received in Evaluation-I after acceptance of examiner)



# Thesis evaluation time for thesis/dissertation sent to 90 examiners





**ANY QUESTIONS ?**

