

# Search Tips for Searching India Code

India Code has been developed using open source software “DSpace”. It has deployed SOLR search engine through which one can browse, perform simple search and advance search with filter facility.

## 1. BROWSE

Allows you to go through a list of items in some specified order. One can browse by Community and Collection, Short title, Act number, Act year, Ministry etc.



Fig 1: Browse Menu

For example : following is the screen shot of Browsing through “Ministry”

The screenshot shows the 'INDIA CODE' website, a Digital Repository of Legislations. The navigation bar includes links for Home, Browse, Help, Contact Us, Important Acts, and Feedback, along with a search bar and a 'Sign on to' dropdown. The 'BROWSING BY MINISTRY' section is active, displaying a search interface with a dropdown menu for letters A-Z, a 'Go!' button, and a table of ministries with their respective result counts.

Showing results 1 to 20 of 58		Next
Department of Atomic Energy	2	
Ministry of Agricultural Cooperation	2	
Ministry of Agriculture	3	
Ministry of Agriculture and Farmers Welfare	15	
Ministry of Agriculture, Cooperation and Farmers Welfare	4	
Ministry of Chemicals and Fertilizers	5	
Ministry of Civil Aviation	4	

Fig 2: Browse by **Ministry**

## 2. SIMPLE SEARCH

One can type any single word or group of words or phrases which are searched as free text word(s) in metadata as well in full text documents. It may locate those documents wherever these words or phrases may occur in the metadata and full text documents. As a default, SOLR search engine uses 'AND' Boolean operator, that is, search results contain all of the terms. For Example:

### 2.1. Case 1: Search on **National Waterways Act** as keywords

It shows documents containing **National AND Waterways AND Act** as search term.

**SEARCH RESULTS**

SEARCH: All of DSpace FOR National Waterways Act Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-6 of 6 (Search time: 0.15 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
25-Mar-2016	17	The <b>National Waterways Act</b> , 2016.	View...
18-Oct-1982	49	The <b>National Waterway</b> (Allahabad-Haldia Stretch of the Ganga-Bhagirathi-Hooghly River) <b>Act</b> , 1982	View...
1-Sep-1988	40	The <b>National Waterway</b> (Sadiya-Dhubri Stretch of the Brahmaputra River) <b>Act</b> , 1988	View...
18-Aug-1992	25	The <b>National Waterway</b> (Kollam-Kottapuram Stretch of West Coast Canal and Champakara and Udyogmadal Canals) <b>Act</b> , 1992	View...

**DISCOVER**

**MINISTRY**

- Ministry of Shipping (5)
- Ministry of Surface Transport (1)

**SHORT TITLE**

- The Nation Waterway (Kakinada-Pud... (1)
- The National Waterway (Allahabad... (1)
- The National Waterway (Kollam-Kot... (1)
- The National Waterway (Sadiya-Dhu... (1)
- The National Waterway (Talcher-Dh... (1)

**ACT YEAR**

- 2010 - 2017 (1)
- 2000 - 2009 (2)

Fig 3: Search on **National Waterways Act** as keywords

## 2.2. Case 2: Search on “National Waterways Act” as a phrase

In this case it will search all the documents containing “National Waterways Act” where these words are occurring together.

**SEARCH RESULTS**

SEARCH: All of DSpace FOR "National Waterways Act" Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-1 of 1 (Search time: 0.059 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
25-Mar-2016	17	The <b>National Waterways Act</b> , 2016.	View...

**DISCOVER**

**MINISTRY**

- Ministry of Shipping (1)

**SHORT TITLE**

- The National Waterways Act, 2016. (1)

**ACT YEAR**

- 2010 - 2017 (1)

Fig 4: Search on “**National Waterways Act**” as a phrase

However, one can further refine the search by using Boolean operators.

## 3. BROADEN THE SEARCH USING “OR” OPERATOR

3.1. One can broaden the search results using OR operator.

## For Example: **Railways OR Road**

The screenshot shows a search interface with a navigation bar at the top containing links for Home, Browse, Help, Contact Us, Important Acts, and Feedback, along with a search box and a 'Sign on to' dropdown. The main content area is divided into 'SEARCH RESULTS' and 'DISCOVER' sections.

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Railways OR Road Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

Results 1-10 of 24 (Search time: 0.017 seconds) previous 1 2 3 next

Enactment Date	Act Number	Short Title	View
27-Dec-2000	54	The Central Road Fund Act, 2000	View...
21-Aug-1978	33	The Metro Railways (Construction of Works) Act, 1978	View...
21-Aug-1982	41	The Metro Railways (Construction of Works) Amendment Act, 1982	View...

**DISCOVER**

**MINISTRY**

- Ministry of Road Transport and Hi... (10)
- Ministry of Railways (8)
- Ministry of Heavy Industries and ... (2)
- Ministry of Urban Development (2)
- Ministry of Finance (1)

next >

**DEPARTMENT**

- Department of Heavy Industry (2)
- Department of Revenue (1)

**SHORT TITLE**

Fig 5: Search on **Railways OR Road** as search terms

This will search documents that have keywords either **Railways OR Road** anywhere in the documents.

## 4. NARROW DOWN SEARCH USING “AND” OPERATOR

4.1. One can narrow down the search by using AND operator.

For Example: **Railway AND Maintenance**

The screenshot shows a search interface similar to Fig 5, but with the search terms 'Railway AND Maintenance'. The search results are significantly fewer, reflecting the narrower search criteria.

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Railway AND Maintenance Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

Results 1-3 of 3 (Search time: 0.011 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
17-Dec-2002	60	The Metro Railways (Operation and Maintenance) Act, 2002	View...
16-Feb-1985	10	The Calcutta Metro Railway (Operation and Maintenance) Temporary Provisions Act,	View...

**DISCOVER**

**MINISTRY**

- Ministry of Urban Development (2)
- Ministry of Road Transport and Hi... (1)

**SHORT TITLE**

- The Calcutta Metro Railway (Opera... (1)
- The Central Road Fund Act, 2000 (1)
- The Metro Railways (Operation and... (1)

**ACT YEAR**

- 2000 - 2009 (2)
- 1980 - 1989 (1)

Fig 6: Search on **Railway AND Maintenance**

This will Search documents that have both the keywords Railway AND Maintenance anywhere in the documents.

## 5. NEGATION OF SEARCH TERMS USING “NOT” OPERATOR

**5.1.** In this case, user does not want to have certain terms in the search results. It can be achieved by using “NOT” operator.

For Example: To search **Export NOT Agriculture**

### Step 1: Simple search on **Export**

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Export Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains [ ] Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 12 (Search time: 0.015 seconds) previous 1 2 next

Enactment Date	Act Number	Short Title	View
11-Sep-1981	28	The Export-Import Bank of India Act, 1981	View...
24-Aug-1963	22	The <b>Export</b> (Quality Control and Inspection) Act, 1963	View...
8-Jan-1986	02	The Agricultural and Processed Food Products <b>Export</b> Development Authority Act, 1985	View...
7-Aug-1992	22	The Foreign Trade (Development and Regulation) Act, 1992	View...
20-Apr-1972	13	The Marine Products <b>Export</b> Development Authority Act, 1972	View...
23-Dec-1953	45	The Coir Industry Act, 1953	View...
20-Mar-1986	10	The Coir Board Act, 1986	View...

**DISCOVER**

**MINISTRY**

- Ministry of Commerce and Industry 4
- Ministry of Agriculture 1
- Ministry of Agriculture and Farm... 1
- Ministry of Commerce 1
- Ministry of Culture 1

next >

**DEPARTMENT**

- Department of Commerce 4
- Department of Animal Husbandry, D... 2
- Department of Economic Affairs 1
- Department of Rural Development 1

**SHORT TITLE**

- The Agricultural and Processed Fo... 1
- The Antiquities and Art Treasures 1

Fig 7: Search on **Export**

### Step 2: Search on **Export NOT Agriculture**

## SEARCH RESULTS

SEARCH: All of DSpace FOR Export NOT Agriculture Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

Results 1-8 of 8 (Search time: 0.026 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
11-Sep-1981	28	The Export-Import Bank of India Act, 1981	View...
24-Aug-1963	22	The <b>Export</b> (Quality Control and Inspection) Act, 1963	View...
7-Aug-1992	22	The Foreign Trade (Development and Regulation) Act, 1992	View...
23-Dec-1953	45	The Coir Industry Act, 1953	View...

## DISCOVER

**MINISTRY**

- Ministry of Commerce and Industry 4
- Ministry of Commerce 1
- Ministry of Culture 1
- Ministry of Finance 1
- Ministry of Micro, Small and Medi... 1

next >

**DEPARTMENT**

- Department of Commerce 4
- Department of Economic Affairs 1

**SHORT TITLE**

- The Antiquities and Art Treasures... 1
- The Coir Industry Act, 1953 1

Fig 8: Search on **Export NOT Agriculture**

This will search those documents that have **Export** but not containing **Agriculture** in them.

## SEARCH USING COMBINATION OF OPERATORS

### 6. “AND” and “OR” combination

For Example: **(Ministry of Human Resource Department) AND (Information Technology) OR 2014**

In this, search is performed by combining AND/OR operators.

Step 1: Simple search on **(Ministry of Human Resource Department)**

## SEARCH RESULTS

SEARCH: All of DSpace FOR Ministry of Human Resource Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 44 (Search time: 0.021 seconds) previous 1 2 3 4 ... 5 next

Enactment Date	Act Number	Short Title	View
3-Sep-1974	39	The University of Hyderabad Act, 1974	View...
28-Dec-2005	54	The Manipur University Act, 2005	View...
20-Mar-2009	25	The Central Universities Act, 2009	View...
18-Dec-2014	37	The School of Planning and Architecture Act, 2014	View...
9-May-1951	29	The Visva-Bharati Act, 1951	View...

## DISCOVER

**MINISTRY**

- Ministry of Human Resource Develo... 43
- Ministry of Rural Development 1

**DEPARTMENT**

- Department of Higher Education 33
- Department of School Education an... 6
- Department of Education 2
- Department of Land Resources 1
- Department of Secondary and Highe... 1

next >

**SHORT TITLE**

- The All India Council for Technic... 1
- The Architects Act, 1972 1

Fig 9: Search on (Ministry of Human Resource Department)

Step 2: Search on (Ministry of Human Resource Department) AND (Information Technology)

Home Browse Help Contact Us Important Acts Feedback Search GO Sign on to

## SEARCH RESULTS

SEARCH: All of DSpace FOR (partment) AND (Information) Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-2 of 2 (Search time: 0.013 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
8-Dec-2014	30	The Indian Institutes of Information Technology Act, 2014	View...
9-Aug-2017	23	The Indian Institutes of Information Technology (Public-private Partnership) Act, 2017	View...

## DISCOVER

**MINISTRY**

- Ministry of Human Resource Develo... 2

**DEPARTMENT**

- Department of Higher Education 2

**SHORT TITLE**

- The Indian Institutes of Informat... 1
- The Indian Institutes of Informat... 1

**ACT YEAR**

- 2010 - 2017 2

Fig 10: Search on (Ministry of Human Resource Department) AND (Information Technology)

Step 3: Search on (Ministry of Human Resource Department) AND (Information Technology) OR 2014

**SEARCH RESULTS**

SEARCH: All of DSpace FOR (mation Technology) OR 2014 Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 44 (Search time: 0.013 seconds) previous 1 2 3 4 ... 5 next

Enactment Date	Act Number	Short Title	View
8-Dec-2014	30	The Indian Institutes of Information Technology Act, 2014	View...
9-Aug-2017	23	The Indian Institutes of Information Technology (Public-private Partnership) Act, 2017	View...
18-Dec-2014	37	The School of Planning and Architecture Act, 2014	View...
26-Sep-2013	30	The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013	View...
3-Sep-1974	39	The University of Hyderabad Act, 1974	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 43
- Ministry of Rural Development 1

**DEPARTMENT**

- Department of Higher Education 33
- Department of School Education an... 6
- Department of Education 2
- Department of Land Resources 1
- Department of Secondary and Highe... 1

next >

**SHORT TITLE**

- The All India Council for Technic... 1
- The Architects Act, 1972 1
- The Assam University Act, 1989 1

Fig 11: Search on (Ministry of Human Resource Department) AND (Information Technology) OR 2014

This will show those documents that have any of Ministry of Human Resource Department AND Information Technology OR 2014 in them.

## 7. “AND” and “NOT” COMBINATION

For Example: (Ministry of Human Resource Department) AND (Information Technology) NOT 2014

In this, search is performed by combination of AND/NOT operators.

Step 1: Simple search on (Ministry of Human Resource Department)



## SEARCH RESULTS

SEARCH: All of DSpace FOR Ministry of Human Resource Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 44 (Search time: 0.021 seconds) previous 1 2 3 4 ... 5 next

Enactment Date	Act Number	Short Title	View
3-Sep-1974	39	The University of Hyderabad Act, 1974	View...
28-Dec-2005	54	The Manipur University Act, 2005	View...
20-Mar-2009	25	The Central Universities Act, 2009	View...
18-Dec-2014	37	The School of Planning and Architecture Act, 2014	View...
9-May-1951	29	The Visva-Bharati Act, 1951	View...

## DISCOVER

**MINISTRY**

- Ministry of Human Resource Develo... 43
- Ministry of Rural Development 1

**DEPARTMENT**

- Department of Higher Education 33
- Department of School Education an... 6
- Department of Education 2
- Department of Land Resources 1
- Department of Secondary and Highe... 1

next >

**SHORT TITLE**

- The All India Council for Technic... 1
- The Architects Act, 1972 1

Fig 12: Search on (Ministry of Human Resource Department)

Step 2: Search on (Ministry of Human Resource Department) AND (Information Technology)

Home Browse Help Contact Us Important Acts Feedback Search GO Sign on to

## SEARCH RESULTS

SEARCH: All of DSpace FOR (partment) AND (Information) Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-2 of 2 (Search time: 0.013 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
8-Dec-2014	30	The Indian Institutes of Information Technology Act, 2014	View...
9-Aug-2017	23	The Indian Institutes of Information Technology (Public-private Partnership) Act, 2017	View...

## DISCOVER

**MINISTRY**

- Ministry of Human Resource Develo... 2

**DEPARTMENT**

- Department of Higher Education 2

**SHORT TITLE**

- The Indian Institutes of Informat... 1
- The Indian Institutes of Informat... 1

**ACT YEAR**

- 2010 - 2017 2

Fig 13: Search on (Ministry of Human Resource Department) AND (Information Technology)

Step3: Search on (Ministry of Human Resource Department) AND (Information Technology) NOT 2014

**SEARCH RESULTS**

SEARCH: All of DSpace FOR (Ministry of Human Resource Department) AND (Information Technology) NOT 2014

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains [ ] Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-1 of 1 (Search time: 0.008 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
9-Aug-2017	23	The Indian Institutes of Information Technology (Public-private Partnership) Act, 2017	View...

**DISCOVER**

**MINISTRY**  
Ministry of Human Resource Development 1

**DEPARTMENT**  
Department of Higher Education 1

**SHORT TITLE**  
The Indian Institutes of Information Technology 1

**ACT YEAR**  
2010 - 2017 1

Fig 14: Search on ( Ministry of Human Resource Department) AND ( Information Technology ) NOT 2014

This will show those documents that have (Ministry of Human Resource Department) AND (Information Technology) NOT 2014

## 8. “OR” AND “NOT” COMBINATION

For Example: **Research OR Development NOT Agriculture**

In this, search is performed by combination of OR/NOT operators.

Step1: Simple search on **Research**

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Research

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains [ ] Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 25 (Search time: 0.009 seconds) previous 1 2 3 next

Enactment Date	Act Number	Short Title	View
17-Jan-2009	09	The Science and Engineering Research Board Act, 2008	View...
26-Jun-1998	13	The National Institute of Pharmaceutical Education and Research Act, 1998	View...
6-Feb-2012	13	The Academy of Scientific and Innovative Research Act, 2011	View...
26-Dec-1992	40	The Central Agricultural University Act, 1992	View...
28-May-2016	32	The Dr. Rajendra Prasad Central Agricultural University Act, 2016.	View...
4-May-2014	10	The Dr. Rajendra Prasad Central Agricultural University Act, 2014	View...

**DISCOVER**

**MINISTRY**  
Ministry of Human Resource Development 6  
Ministry of Agriculture and Farmers Welfare 4  
Ministry of Health and Family Welfare 4  
Ministry of Science and Technology 3  
Ministry of Agriculture, Cooperation and Fisheries 2

**DEPARTMENT**  
Department of Agricultural Research and Education 6  
Department of Higher Education 6  
Department of Health Research 2  
Department of Science and Technology 2  
Department of Commerce 1

Fig 15: Search on Research

## Step2: Search on Research OR Development

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Research OR Development Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 215 (Search time: 0.009 seconds) previous 1 2 3 4 ... 22 next

Enactment Date	Act Number	Short Title	View
17-Jan-2009	09	The Science and Engineering Research Board Act, 2008	View...
26-Dec-1992	40	The Central Agricultural University Act, 1992	View...
28-May-2016	32	The Dr. Rajendra Prasad Central Agricultural University Act, 2016.	View...
4-Mar-2014	10	The Rani Lakshmi Bai Central Agricultural University Act, 2014	View...
5-Jun-2007	29	The National Institutes of Technology, Science Education and Research Act, 2007	View...
20-Mar-2009	25	The Central Universities Act, 2009	View...
17-Dec-1966	51	The Post-Graduate Institute of Medical Education and Research, Chandigarh, Act 1966	View...

**DISCOVER**

**MINISTRY**

Ministry of Human Resource Develo...	46
Ministry of Urban Development	34
Ministry of Finance	16
Ministry of Rural Development	15
Ministry of Commerce and Industry	11
	next >

**DEPARTMENT**

Department of Higher Education	33
Department of Economic Affairs	12
Department of Rural Development	11
Department of Commerce	8
Department of Agricultural Resear...	6
	next >

**SHORT TITLE**

Fig 16: Search on Research OR Development

## Step3: Search on Research OR Development NOT Agriculture

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Research OR Development NOT Agriculture Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 198 (Search time: 0.006 seconds) previous 1 2 3 4 ... 20 next

Enactment Date	Act Number	Short Title	View
17-Jan-2009	09	The Science and Engineering Research Board Act, 2008	View...
5-Jun-2007	29	The National Institutes of Technology, Science Education and Research Act, 2007	View...
20-Mar-2009	25	The Central Universities Act, 2009	View...
17-Dec-1966	51	The Post-Graduate Institute of Medical Education and Research, Chandigarh, Act 1966	View...
14-Aug-1986	32	The Research and Development Cess Act, 1986	View...
18-Dec-2014	37	The School of Planning and Architecture Act, 2014	View...

**DISCOVER**

**MINISTRY**

Ministry of Human Resource Develo...	46
Ministry of Urban Development	34
Ministry of Finance	15
Ministry of Rural Development	13
Ministry of Commerce and Industry	11
	next >

**DEPARTMENT**

Department of Higher Education	33
Department of Economic Affairs	11
Department of Rural Development	9
Department of Commerce	8
Department of School Education an...	6
	next >

**SHORT TITLE**

Fig 17: Search on Research OR Development NOT Agriculture

This will show those documents that have any of Research OR Development NOT Agriculture in them.

## 9. SEARCH WITH FILTERS

SOLR search engine provides facility to apply search filters to limit the search results to specific fielded search criteria.

Filter search has three components such as **Field Name, Filter Operators and Field Value.**

**Field Name:** It is the metadata fields such as Short Title, Act Number, Act year, Ministry etc. which can be selected from combo box.

**Filter Operators:** It provides various search filter operators such as “**Contains**” “**Not Contains**” “**Equals**” “**Not Equals**” which can be selected from combo box.

**Field Value:** Users has to type value for the field name. It also provides auto completion facility.

**For Example:**

9.1. Search on **National** has been performed as a free text search.

The screenshot displays a search interface with the following components:

- SEARCH RESULTS:** A search bar with 'All of DSpace' selected and 'National' entered. A 'Go' button and a 'START A NEW SEARCH' button are visible.
- Add filters:** A section with the text 'Use filters to refine the search results.' It includes a dropdown for 'Long Title', a dropdown for 'Contains', and an 'Add' button.
- Results/Page:** A dropdown set to '10' and a 'Sort items by' dropdown set to 'Relevance'. There are also 'In order' and 'Descending' options, and an 'Update' button.
- Results 1-10 of 107 (Search time: 0.008 seconds):** A summary bar with pagination links: 'previous', '1', '2', '3', '4', '...', '11', 'next'.
- Table of Results:** A table with columns: 'Enactment Date', 'Act Number', 'Short Title', and 'View'. The table contains 6 rows of search results.
- DISCOVER:** A sidebar with two sections: 'MINISTRY' and 'DEPARTMENT', each listing various categories with counts in circles.

Enactment Date	Act Number	Short Title	View
11-Jun-1976	76	The <b>National</b> Library of India Act, 1976	View...
20-Dec-1947	43	The United Nations (Security Council) Act, 1947	View...
20-Dec-1947	46	The United Nations (Privileges and Immunities) Act, 1947	View...
16-Apr-1948	31	The <b>National</b> Cadet Corps Act, 1948	View...
17-Oct-1951	54	The Companies (Donations to <b>National</b> Funds) Act, 1951	View...
1-May-1951	25	The Jallianwala Bagh <b>National</b> Memorial Act, 1951	View...

Fig 18: Filter Simple search on **National**

Search can be refined using search filters. Here search term “**National**” will be searched with Search field “**Ministry**” with Search Filter as “**contains**”. Screen shot of search is shown in fig19.

### SEARCH RESULTS

SEARCH: All of DSpace FOR National Go

CURRENT FILTERS: Ministry Equals Ministry of Human Resource X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

### Applied Facet: MINISTRY

Results 1-10 of 16 (Search time: 0.007 seconds)

previous 1 2 next

Enactment Date	Act Number	Short Title	View
6-Jan-2005	02	The National Commission for Minority Educational Institutes Act, 2004	View...
2-Sep-1985	50	The Indira Gandhi National Open University Act, 1985	View...
29-Dec-1993	73	The National Council for Teacher Education Act, 1993	View...
8-Jan-1997	02	The Maulana Azad National Urdu University Act, 1996	View...

### DISCOVER

DEPARTMENT	Count
Department of Higher Education	11
Department of Education	1
Department of School Education an...	1
Department of Secondary and Highe...	1
Department of Secondary Education	1

next >

SHORT TITLE	Count
The Commissions for Protection of...	1
The Dakshina Bharat Hindi Prachar...	1
The Hindi Sahitya Sammelan Act, 1962	1
The Indian Institutes of Informat...	1
The Indian Institutes of Informat...	1

next >

Fig 19: Filter search on term **National** with Search field as “**Ministry**” and with Search Filter as “**contains**”

9.2. Search can further refine using “**Act year**” as search filter. Screen shot of search is shown in fig 20.

### SEARCH RESULTS

SEARCH: All of DSpace FOR National Go

CURRENT FILTERS: Ministry Equals Ministry of Human Resource X

Act Year Contains 2007 X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

### Applied Facet: MINISTRY & ACTYEAR

Results 1-2 of 2 (Search time: 0.007 seconds)

previous 1 next

Enactment Date	Act Number	Short Title	View
5-Jun-2007	29	The National Institutes of Technology, Science Education and Research Act, 2007	View...
20-Dec-2007	52	The Indira Gandhi National Tribal University Act, 2007	View...

### DISCOVER

DEPARTMENT	Count
Department of Higher Education	2

SHORT TITLE	Count
The Indira Gandhi National Tribal...	1
The National Institutes of Techno...	1

ACT YEAR	Count
2007	2

Fig 20: Filter search on **2007** in **Act year** field.

# 10.SOME MORE EXAMPLES USING VARIOUS SEARCH FIELD OPERATORS

## 10.1. Contains Search Operator

It searches word or phrase present anywhere in the field.

For Example: If you have to search National having Act Year as 2007 using “CONTAIN” field operator:

**SEARCH RESULTS**

SEARCH: All of DSpace FOR National Go

CURRENT FILTERS: Act Year Contains 2007 X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

**Applied Facet:** ACTYEAR  
Results 1-6 of 6 (Search time: 0.006 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
5-Dec-2007	43	The <b>National</b> Capital Territory of Delhi Laws (Special Provisions) At, 2007	View...
11-May-2007	23	The <b>National</b> Rural Employment Guarantee (Extension to Jammu and Kashmir) Act, 2007	View...
5-Jun-2007	29	The <b>National</b> Institutes of Technology, Science Education and Research Act, 2007	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 2
- Ministry of Information and Broad... 1
- Ministry of Petroleum and Natural... 1
- Ministry of Rural Development 1
- Ministry of Urban Development 1

next >

**DEPARTMENT**

- Department of Higher Education 2
- Department of Rural Development 1

**SHORT TITLE**

- The Indira Gandhi National Tribal... 1
- The National Capital Territory of... 1

Fig 21: Search results using “CONTAIN” as field operator

## 10.2. Not Contains Search Operator

It searches word or phrase does not exist anywhere in the field.

For Example: If you have to search National documents and doesn't contain 1947 in act year

**SEARCH RESULTS**

SEARCH: All of DSpace FOR National Go

CURRENT FILTERS: Act Year Not Equals 1947 X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 Sort items by Relevance In order Descending Update

**Applied Facet:** ACTYEAR  
Results 1-10 of 105 (Search time: 0.006 seconds) previous 1 2 3 4 ... 11 next

Enactment Date	Act Number	Short Title	View
11-Jun-1976	76	The <b>National</b> Library of India Act, 1976	View...
16-Apr-1948	31	The <b>National</b> Cadet Corps Act, 1948	View...
17-Oct-1951	54	The Companies (Donations to <b>National</b> Funds) Act, 1951	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 16
- Ministry of Culture 8
- Ministry of Home Affairs 8
- Ministry of Urban Development 8
- Ministry of Shipping 7

next >

**DEPARTMENT**

- Department of Higher Education 11
- Department of Economic Affairs 3
- Department of Rural Development 3
- Department of Agricultural Resear... 2
- Department of Health and Family W... 2

Fig 22: Search results using “NOT CONTAIN” as field operator

### 10.3. Equals Search Operator

It searches exact match of word or phrase in the field. For Example: If you have to search documents of Education of year 2009

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Education Go

CURRENT FILTERS: Act Year Equals 2009 X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

**Applied Facet:** ACTYEAR

Results 1-2 of 2 (Search time: 0.003 seconds) previous 1 next

Enactment Date	Act Number	Short Title	View
26-Aug-2009	35	The Right of Children to Free and Compulsory Education Act, 2009	View...
20-Mar-2009	25	The Central Universities Act, 2009	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 2

**DEPARTMENT**

- Department of Higher Education 1
- Department of School Education an... 1

**SHORT TITLE**

- The Central Universities Act, 2009 1
- The Right of Children to Free and... 1

Fig 23: Search results using “EQUAL” as field operator.

### 10.4. Not Equals Search Operator

It searches for documents with other than where there is an exact match of word or phrase in the field. For Example: If you have to search documents of Education of all year but not 2009

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Education Go

CURRENT FILTERS: Act Year Not Equals 2009 X

START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.

Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

**Applied Facet:** ACTYEAR

Results 1-10 of 54 (Search time: 0.003 seconds) previous 1 2 3 4 ... 6 next

Enactment Date	Act Number	Short Title	View
23-Dec-1987	52	The All India Council for Technical Education Act, 1987	View...
20-Sep-1960	39	The Delhi Primary Education Act, 1960	View...
6-Jan-2005	02	The National Commission for Minority Educational Institutes Act, 2004	View...
3-Jan-2007	05	The Central Educational Institutions (Reservation in Admission) Act, 2006	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 41
- Ministry of Agriculture and Farme... 4
- Ministry of Health and Family Wel... 4
- Ministry of Agriculture, Cooperat... 2
- Ministry of Commerce and Industry 2

next >

**DEPARTMENT**

- Department of Higher Education 32
- Department of Agricultural Resear... 6
- Department of School Education an... 5
- Department of Education 2
- Department of Health and Family W... 2

next >

Fig 24: Search results using “NOT EQUAL” as field operator.

One can filter and customize search results by using the option “Add Filter” on the advance search page. Many search filters can be added by clicking “Add” button.

**NOTE:**

For specific search use simple search and then use filters to further refine search results and get specific information.

## 11. WILD CARD SEARCHES

One can also search multiple character as wildcard search by using asterisk “\*” symbol.

For Example: to search for “Nation”, “National”, “Nationals” One can use the search as **Nation\***

**SEARCH RESULTS**

SEARCH: All of DSpace FOR Nation\* Go START A NEW SEARCH

**Add filters:**  
Use filters to refine the search results.  
Long Title Contains Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 119 (Search time: 0.015 seconds) previous 1 2 3 4 ... 12 next

Enactment Date	Act Number	Short Title	View
20-Dec-1947	43	The United Nations (Security Council) Act, 1947	View...
20-Dec-1947	46	The United Nations (Privileges and Immunities) Act, 1947	View...
16-Apr-1948	31	The National Cadet Corps Act, 1948	View...
17-Oct-1951	54	The Companies (Donations to National Funds) Act, 1951	View...
9-May-1951	29	The Visva-Bharati Act, 1951	View...
1-May-1951	25	The Jallianwala Bagh National Memorial Act, 1951	View...

**DISCOVER**

**MINISTRY**

- Ministry of Human Resource Develo... 16
- Ministry of Culture 8
- Ministry of Finance 8
- Ministry of Home Affairs 8
- Ministry of Urban Development 8

**DEPARTMENT**

- Department of Higher Education 11
- Department of Economic Affairs 5
- Department of Rural Development 3
- Department of Agricultural Resear... 2
- Department of Health and Family W... 2

Fig 25: Search results of **Nation\***

One can also use the wildcard in the middle of a term.

**Example: Nati\*n.**

## 12.FUZZY SEARCHES

Fuzzy search is the technique of finding string that match a pattern approximately, rather than exactly. One can do a fuzzy search using the tilde “~” symbol at the end of the Single word term.



For Example: To search for word similar in spellings to “Role” one can do the fuzzy search: **role~**

This search will find terms like rome, rola, rale, pole, gole etc.

Here in this example **Nation~** searches words like “National”.

### SEARCH RESULTS

SEARCH: All of DSpace FOR Nation~ Go [START A NEW SEARCH](#)

**Add filters:**  
Use filters to refine the search results.

Long Title Contains  Add

Results/Page 10 | Sort items by Relevance In order Descending Update

Results 1-10 of 112 (Search time: 0.073 seconds) previous 1 2 3 4 ... 12 next

Enactment Date	Act Number	Short Title	View
14-Dec-1973	56	The Alcock Ashdown Company Limited (Acquisition of Undertakings) Act, 1973	View...
26-Dec-1969	42	The Bihar Land Reforms Laws (Regulating Mines and Minerals) Validation Act, 1969	View...
12-Sep-1994	55	The Airports Authority of India Act, 1994	View...
30-May-1973	26	The Coal Mines (Nationalisation) Act, 1973	View...
26-Dec-1952	74	The Forward Contracts (Regulation) Act, 1952	View...

### DISCOVER

MINISTRY	
Ministry of Human Resource Develo...	16
Ministry of Home Affairs	9
Ministry of Culture	8
Ministry of Urban Development	8
Ministry of Shipping	7
	next >

  

DEPARTMENT	
Department of Higher Education	11
Department of Economic Affairs	3
Department of Rural Development	3
Department of Agricultural Resear...	2
Department of Food and Public Dis...	2

Fig 26: Search results of **Nation~**