



UNIVERSITI
TENAGA
NASIONAL



The Energy University



DSpace (UNITEN i-repository)

<https://irepository.uniten.edu.my>

Searching of Material

1. Log in to your i-repository account and click on the magnifier icon to begin your search.



The screenshot shows the homepage of the iRepository for Universiti Tenaga Nasional (UNITEN). The header features a blue banner with the text "I-REPOSITORY" in large white letters. To the right of the banner is the UNITEN logo, which includes a red and white circular emblem with a lightbulb icon and the text "UNIVERSITI TENAGA NASIONAL" and "The Energy University". Below the banner is a white navigation bar containing the text "Communities & Collections", "Research Outputs", "Projects", "People", and "Statistics" with a dropdown arrow. A red arrow points to a search icon (magnifying glass) in the top right corner of the navigation bar. Below the navigation bar, the main content area has a light gray background. It starts with the heading "Welcome to iRepository UNITEN" in blue. Below this is a paragraph: "iRepository is an institutional research repository for Universiti Tenaga Nasional (UNITEN)." followed by another paragraph: "The purpose of an institutional repository system at UNITEN (Universiti Tenaga Nasional) is to establish a digital platform that enables the university to collect, preserve, and share its scholarly and intellectual outputs. This centralized repository serves as a hub where UNITEN can store and make openly accessible various types of content, including research articles, theses, conference papers, datasets, and multimedia materials. By implementing an institutional repository system, UNITEN aims to promote open access to knowledge, facilitate



I-REPOSITORY

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The Energy University

 [Communities & Collections](#) [Research Outputs](#) [Projects](#) [People](#) [Statistics](#)  

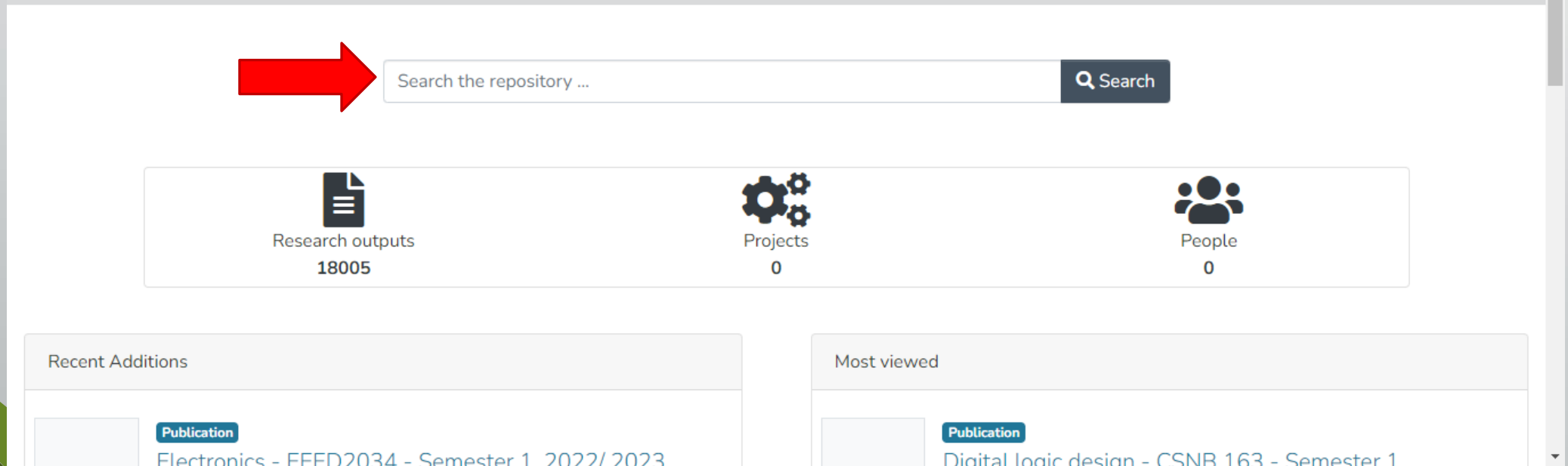
Welcome to iRepository UNITEN

iRepository is an institutional research repository for Universiti Tenaga Nasional (UNITEN).

The purpose of an institutional repository system at UNITEN (Universiti Tenaga Nasional) is to establish a digital platform that enables the university to collect, preserve, and share its scholarly and intellectual outputs. This centralized repository serves as a hub where UNITEN can store and make openly accessible various types of content, including research articles, theses, conference papers, datasets, and multimedia materials. By implementing an institutional repository system, UNITEN aims to promote open access to knowledge, facilitate


2. Or, users can also scroll down the home page and use the search bar to start searching.


platform that enables the university to collect, preserve, and share its scholarly and intellectual outputs. This centralized repository serves as a hub where UNITEN can store and make openly accessible various types of content, including research articles, theses, conference papers, datasets, and multimedia materials. By implementing an institutional repository system, UNITEN aims to promote open access to knowledge, facilitate research collaboration, enhance the visibility and impact of its research outputs, and ensure the long-term preservation of the university's intellectual assets.




platform that enables the university to collect, preserve, and share its scholarly and intellectual output. The centralized repository serves as a hub where UNITEN can store and make openly accessible various types of content, including research articles, theses, conference papers, datasets, and multimedia materials. By implementing an institutional repository system, UNITEN aims to promote open access to knowledge, facilitate research collaboration, enhance the visibility and impact of its research outputs, and ensure the long-term preservation of the university's intellectual assets.

Search


Research outputs
18005


Projects
0


People
0

Recent Additions

No Thumbnail

Publication
Electronics - EEED2034 - Semester 1, 2022/ 2023
(2022-12) College of Engineering

Most viewed

No Thumbnail

Publication
Digital logic design - CSNB 163 - Semester 1,
2011/2012

3. When the search result appears, users can narrow their search more specifically according to the filters on the left side of the page.

Filters

- Type +
- Author +
- Subject +
- Date +
- Has files +
- Item Type +
- Language +

Reset filters

All of DSpace energy Search Export

Search Results

Now showing 1 - 10 of 2793

No Thumbnail Available

Publication

Study on effect of renewable energy implementation towards energy security in malaysia

(2020-02) Muhammad Azamuddin Bin Johari

Energy security has become one of the most important issues of any country all over the world since the oil crises that arise in 1970s. As mentioned before **energy** security can be define as “the physical availability of supplies to satisfy demand... at a given price”

▼ Show more

No Thumbnail Available

Publication

Empowering smart grid: A comprehensive review of energy storage technology and application with renewable energy integration

(Elsevier Ltd, 2021) Tan K.M.; Babu T.S.;

The rapid growth in the usage and development of renewable **energy** sources in the present day electrical grid mandates the exploitation of **energy** storage technology

▼ Show more


2 164

Component of the filter function

Filter categories

Filters

Type	+
Author	+
Subject	+
Date	+
Has files	+
Item Type	+
Language	+

 Reset filters

Click plus (+) sign to expand

Clear the filter setting

Filters

Type

-

- ☐ Article 836
- ☐ Conference Paper 419
- ☐ Examination Paper 271
- ☐ Review 170
- ☐ thesis 125
- ☐ exam paper 107
- ☒ Thesis 68
- ☐ past year exam paper 52
- ☐ final year project 42
- ☐ Book Chapter 18

[Show more](#)

Search type

Type

Filters

Type

+

Author

-

- ☐ College of Energy Economics & Social Sciences 274
- ☐ Ramachandaramurthy V.K. 115
- ☐ Hannan M.A. 101
- ☐ Mahlia T.M.I. 96
- ☐ Amin N. 95

[Show more](#)

Search author name

Author name

Filters

Type

+

Author

+

Subject

-

- ☐ Solar 21
- ☐ Renewable Energy 15
- ☐ Design 11
- ☐ Electric Vehicle 10
- ☒ Solar energy 9

[Show more](#)

Search subject

Subject

Filters

Type

+

Author

+

Subject

+

Date

+

Has files

+

Item Type

+

Language

-

- ☐ English 836
- ☐ English (United States) 82
- ☐ UNKNOWN KEY my 29
- ☐ (Other) 10

Language

Language

Filters

Type

+

Author

+

Subject

+

Date

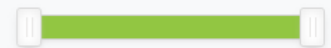
-

Start

1950

End

2023



2000 - 2009

14

2010 - 2019

1226

2020 - 2023

1541

Filters

Type

+

Author

+

Subject

+

Date

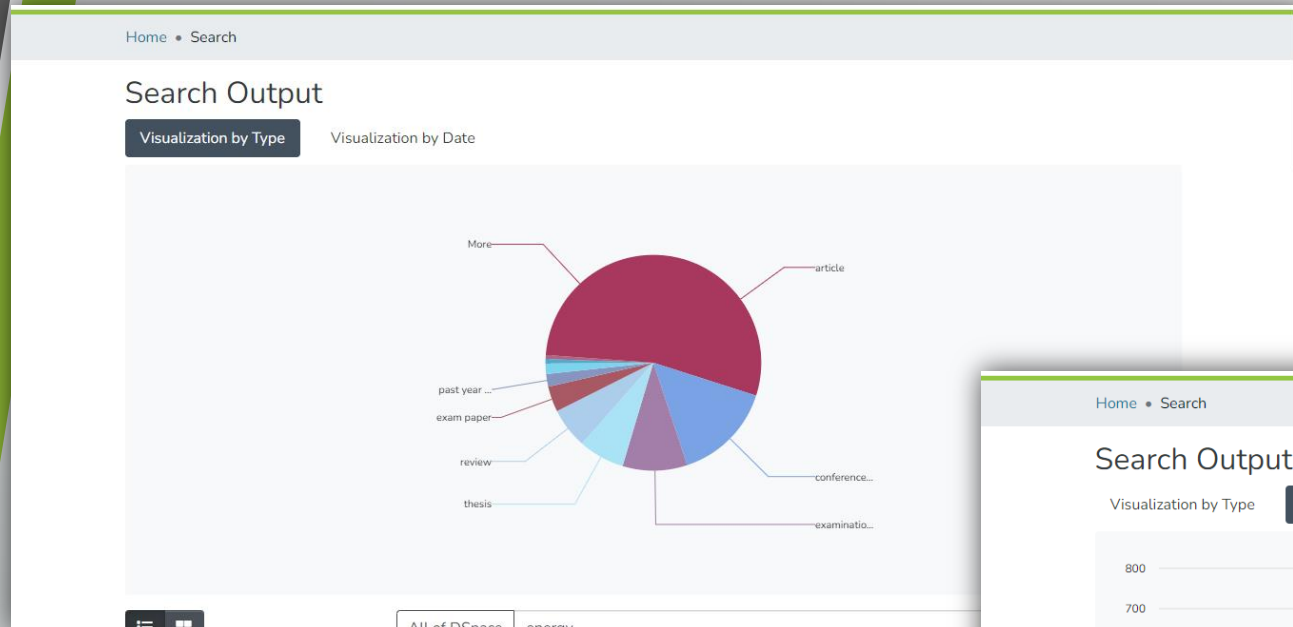
+

Has files

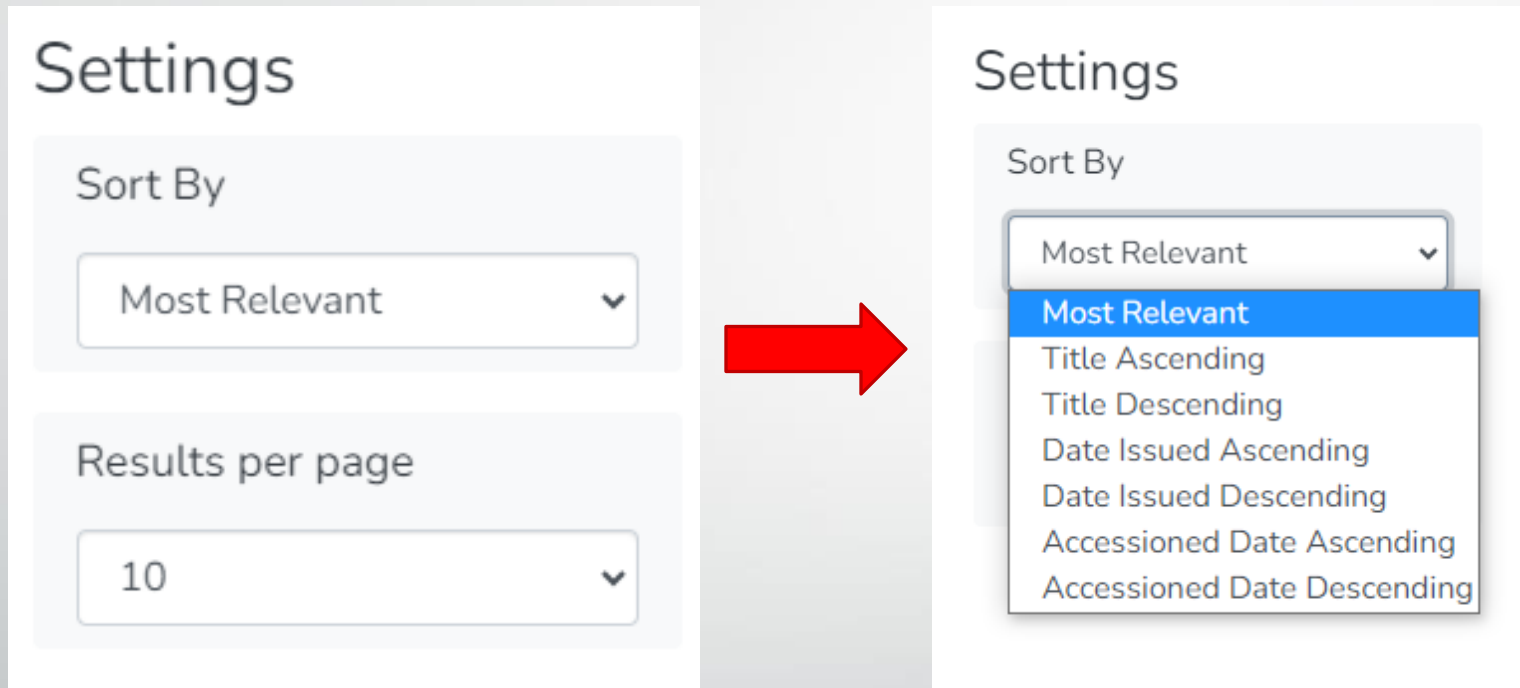
-

- ☐ No 1472
- ☐ Yes 1321

4. Or, users can also filter by type and date based on the chart. Click on the part of the chart to filter the search according to one specific type or year.



5. Users also can sort the result's arrangement via the settings function below the filter.



6. Select material from the search results and user will get through the title's page. Click the file link to access the full content.

The image shows a two-part interface. The top part is a search results page with a search bar containing 'energy' and a 'Search' button. On the left, there are filter options for Type, Author, Subject, Date, Has files, Item Type, and Language. The search results list two items, both marked 'No Thumbnail Available'. The first item is 'Study on effect of renewable energy implementation towards energy security in malaysia' by Muhammad Azamuddin Bin Johari, dated (2020-02). A red arrow points to this title. The bottom part is a detailed view of this publication. It shows the title, a thumbnail image, and a list of files including 'Thesis FYP2 AJAM pdf.pdf(1.1 MB)'. A large red arrow points from the file link to the detailed view. The abstract is also visible, discussing energy security and the 4As framework.

Search Results
Now showing 1 - 10 of 2793

Filters

- Type +
- Author +
- Subject +
- Date +
- Has files +
- Item Type +
- Language +

[Reset filters](#)

Publication
Study on effect of renewable energy implementation towards energy security in malaysia
(2020-02) Muhammad Azamuddin Bin Johari
No Thumbnail Available

Publication
Empowering smart grid: of energy storage technology of renewable energy integration (Elsevier Ltd, 2021) Tan K.M.; E
No Thumbnail Available

Publication:
Study on effect of renewable energy implementation towards energy security in malaysia

[Export](#) [Statistics](#) [Subscribe](#) [...](#)

Files
Thesis FYP2 AJAM pdf.pdf(1.1 MB)

Date
2020-02

Authors
Muhammad Azamuddin Bin Johari

Abstract
Energy security has become one of the most important issues of any country all over the world since the oil crises that arise in 1970s. As mentioned before energy security can be define as "the physical availability of supplies to satisfy demand at a given price" according to International Energy Agency (IEA) and they also defines energy supply to be "secure" if it is adequate, affordable and reliable[1]. There are a lot of study that been carry out on energy security yet there is no agreement on widely accepted the definition of energy security[2]. Dealing with a massive approach about the energy security, several conceptual frameworks of it have been used so far and among of these conceptual frameworks, Asia Pacific Energy Research Centre (APERC) introduced the "4As" framework to quantitatively analyze the energy security[3] and in this study it will be based on that frameworks. Basically the 4As term were "Availability", "Accessibility", "Affordability" and "Acceptability" which each of the aspects contain several indicator that describe the frameworks in term of energy security. The energy policy in Malaysia is reviewed every 5 years as it is one of the parts in "Five-Year Malaysia Plan". The Five-Year Malaysia Plan is a Malaysia's economic development and sets a growth tone for Malaysia for the next 5 years and currently Malaysia is implementing the final five year plan in the journey towards realizing vision 2020 which is the "Eleventh Malaysia Plan" that encouraging sustainable energy use to support growth.



Tools

irepository.u... / Thesis _AJAM pdf



Open on desktop



Sign in



STUDY ON EFFECT OF RENEWABLE ENERGY IMPLEMENTATION TOWARD
ENERGY SECURITY IN MALAYSIA

By
MUHAMMAD AZAMUDDIN BIN JOHARI

Project Supervisor:
ENDANG JATI BINTI MAD SAHID

THESIS SUBMITTED FOR THE FULFILMENT OF THE
REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF MECHANICAL ENGINEERING

COLLEGE OF ENGINEERING
UNIVERSITI TENAGA NASIONAL



1

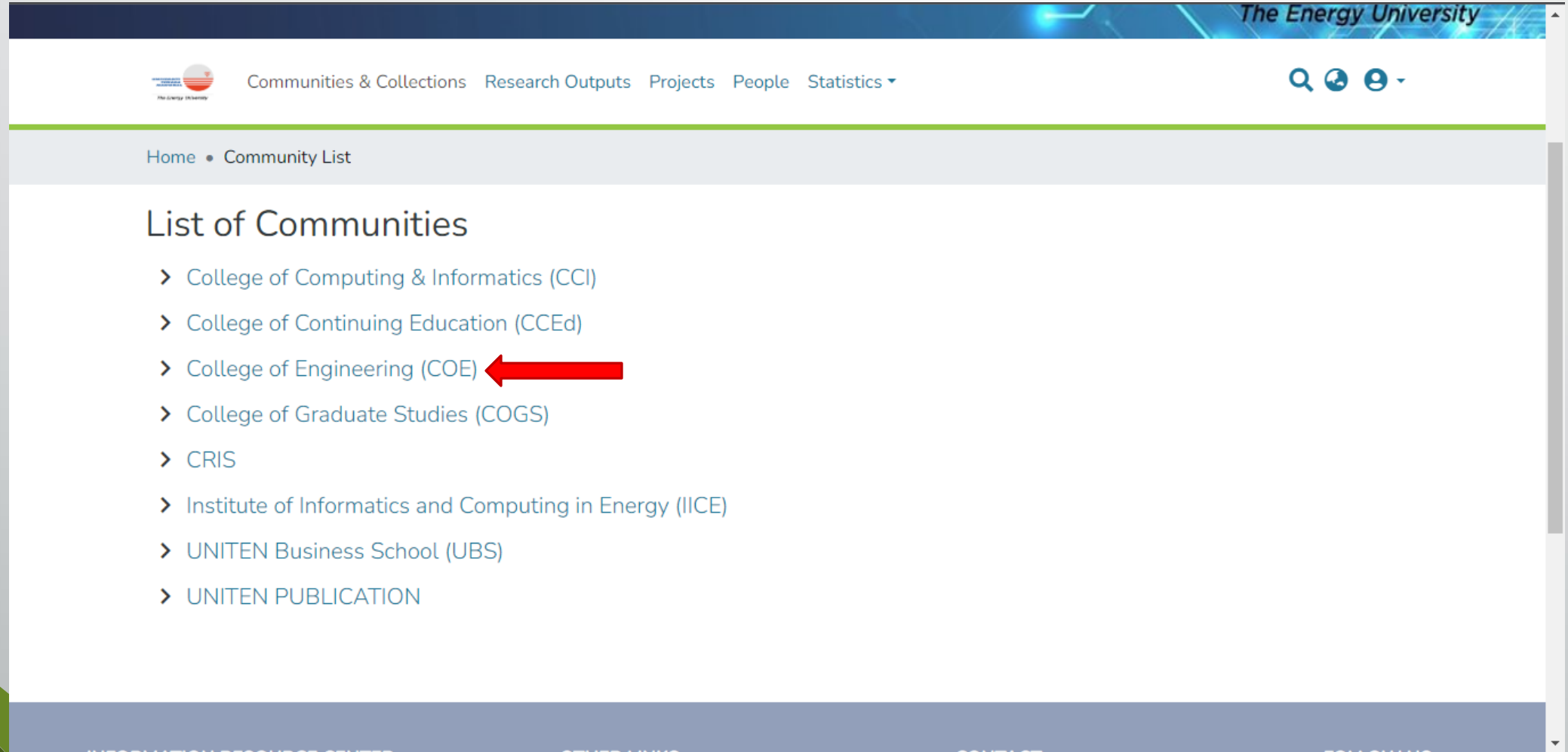
61



7. Users can also search for the material according to certain categories through the navigation tab.



8. Click 'Communities & Collections' tab to search material through specific colleges or other groups.



9. Open the community and to see collection(s) available.



The screenshot displays the website of The Energy University. The header features the university's name and a navigation menu with links to 'Communities & Collections', 'Research Outputs', 'Projects', 'People', and 'Statistics'. A search bar and user profile icons are also present. The main content area shows the 'College of Engineering (COE)' community page. It includes a 'Statistics' button and a 'Subscribe' button. Below this, the 'Collections of this Community' section is displayed, showing 'Now showing 1 - 2 of 2' collections. The first collection is 'COE Examination Papers', and the second is 'COE Thesis and Final Year Project (FYP)'. A red arrow points to the 'COE Thesis and Final Year Project (FYP)' collection.

The Energy University

Communities & Collections Research Outputs Projects People Statistics ▾

Home • College of Engineering (C...

College of Engineering (COE)

Permanent URI for this community <https://irepository.uniten.edu.my/handle/123456789/12504>

College of Engineering

Statistics Subscribe

Collections of this Community

Now showing 1 - 2 of 2

COE Examination Papers

COE Thesis and Final Year Project (FYP) ←

10. When a collection is selected, user can filter their search by author, issue date, department, subject, title or type.

The screenshot displays a web interface for a digital repository. At the top, there is a navigation bar with the university logo, a menu (Communities & Collections, Research Outputs, Projects, People, Statistics), and user icons. Below this is a breadcrumb trail: Home • College of Engineering (C... • COE Thesis and Final Year... The main heading is 'COE Thesis and Final Year Project (FYP)' with 'Statistics' and 'Subscribe' buttons. The permanent URI is provided: <https://irepository.uniten.edu.my/handle/123456789/12506>. A 'Browse' section contains a row of filters: 'Recent Submissions' (highlighted with a red box), 'By Author', 'By Issue Date', 'By Department', 'By Subject', 'By Title', and 'By Type'. Below the filters, it says 'Now showing 1 - 5 of 1502'. A single item is shown with a 'Publication' tag, the title 'Distracted driver detection with deep convolution neural networks', the author '(2019) Basubeit, Omar Gumaan Saleh', and a description of the project's aim. A 'Show more' link is at the bottom.

Communities & Collections Research Outputs Projects People Statistics ▾

Home • College of Engineering (C... • COE Thesis and Final Year...

COE Thesis and Final Year Project (FYP)

Statistics Subscribe

Permanent URI for this collection <https://irepository.uniten.edu.my/handle/123456789/12506>

COE Thesis and Final Year Project (FYP)

Browse

Recent Submissions By Author By Issue Date By Department By Subject By Title By Type

Now showing 1 - 5 of 1502

No Thumbnail Available

Publication

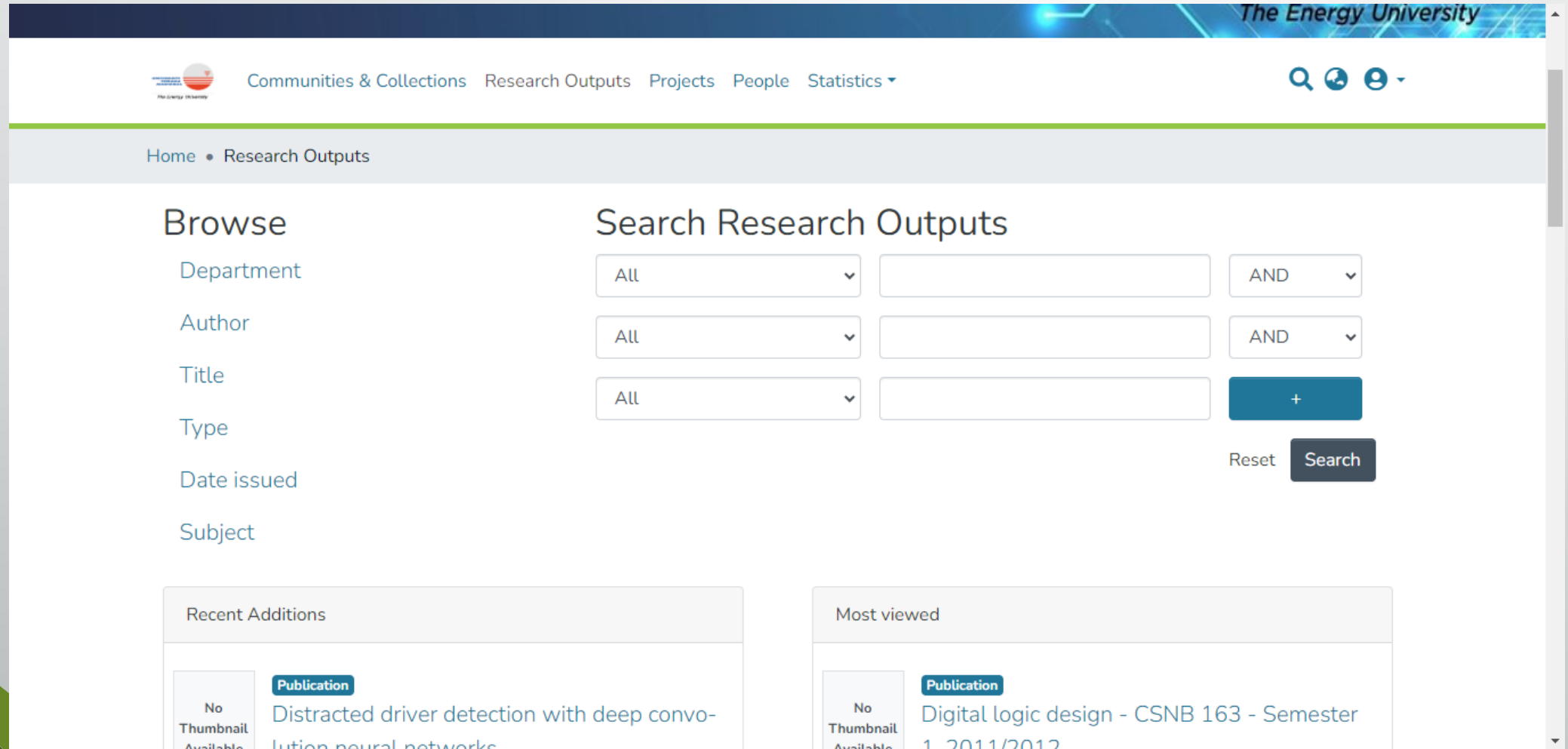
Distracted driver detection with deep convolution neural networks

(2019) Basubeit, Omar Gumaan Saleh

This project aims to develop a python algorithm to detect the distracted activities while driving. National Highway traffic Safety Administration of United State (NHTSA) has been reported in 2015 around 3477 deaths cases and injuries to 391000 people because of distracted driving, with that distracted driving considered as one of the main causes of car accidents

▼ Show more

11. Via the navigation tab, users can also choose to search for material by the 'Research Outputs'.



The screenshot displays the 'Research Outputs' section of The Energy University's website. The header features the university's logo and navigation links: 'Communities & Collections', 'Research Outputs', 'Projects', 'People', and 'Statistics'. A search bar with a magnifying glass icon and a user profile icon is located in the top right. Below the header, a breadcrumb trail shows 'Home' and 'Research Outputs'. The main content area is divided into two columns. The left column, titled 'Browse', lists filters: 'Department', 'Author', 'Title', 'Type', 'Date issued', and 'Subject'. The right column, titled 'Search Research Outputs', contains three search criteria, each with a dropdown menu set to 'All' and an adjacent text input field. The criteria are connected by 'AND' logic. A blue button with a '+' sign is positioned below the third criterion. At the bottom of the search section are 'Reset' and 'Search' buttons. Below the search section, there are two boxes: 'Recent Additions' and 'Most viewed'. Each box displays a list of items, with the first item in each having a 'No Thumbnail Available' placeholder and a 'Publication' tag. The first item in 'Recent Additions' is 'Distracted driver detection with deep convolution neural networks'. The first item in 'Most viewed' is 'Digital logic design - CSNB 163 - Semester 1, 2011/2012'.

The Energy University

Communities & Collections Research Outputs Projects People Statistics

Home • Research Outputs

Browse

Department

Author

Title

Type

Date issued

Subject

Search Research Outputs

All AND

All AND

All +

Reset Search

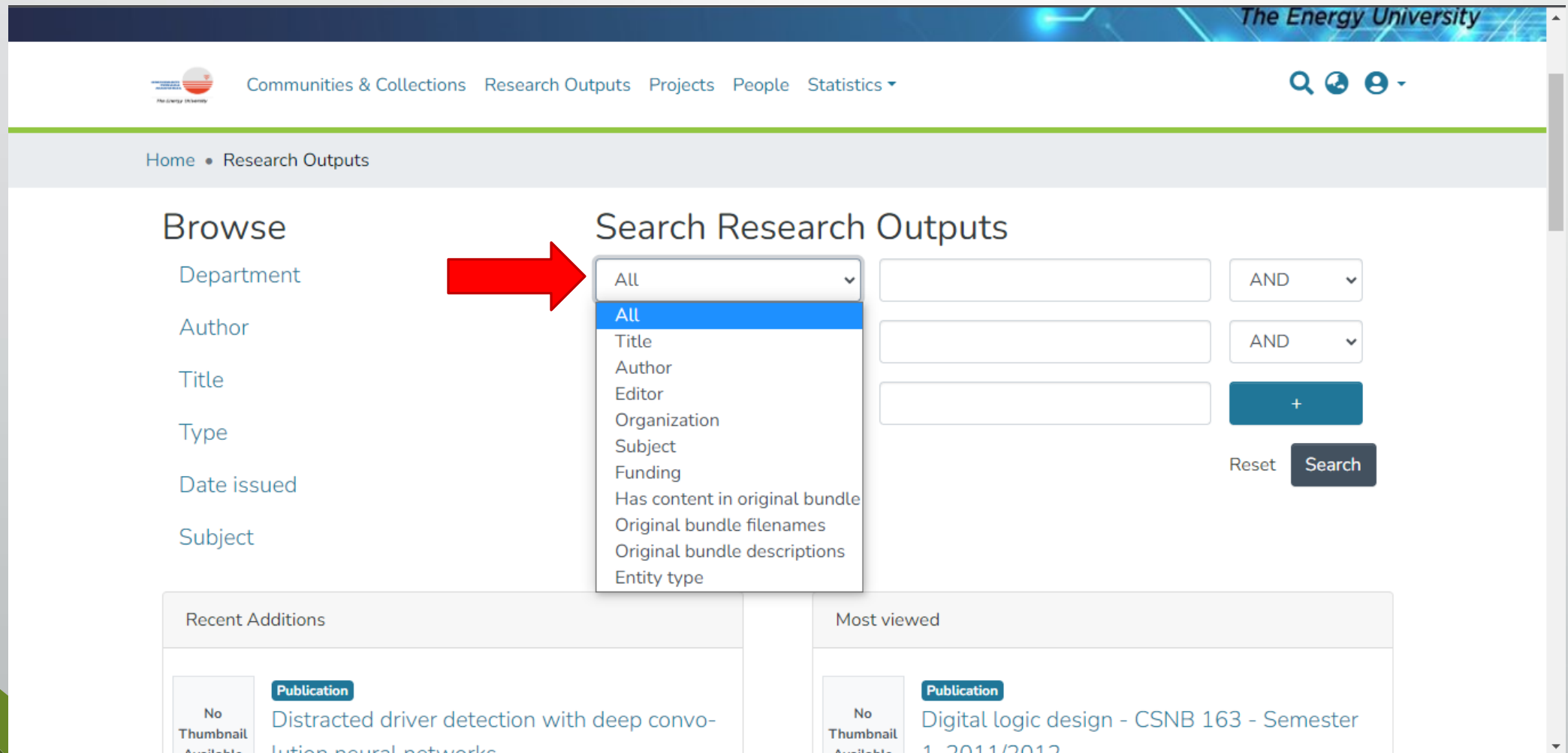
Recent Additions

No Thumbnail Available Publication Distracted driver detection with deep convolution neural networks

Most viewed

No Thumbnail Available Publication Digital logic design - CSNB 163 - Semester 1, 2011/2012

12. Choose specific type of output and insert keyword to search for specific result.



The screenshot shows the 'Research Outputs' section of 'The Energy University' website. A red arrow points to a dropdown menu that is open, displaying a list of search criteria. The criteria include 'All', 'Title', 'Author', 'Editor', 'Organization', 'Subject', 'Funding', 'Has content in original bundle', 'Original bundle filenames', 'Original bundle descriptions', and 'Entity type'. The 'All' option is currently selected and highlighted in blue. To the left of the dropdown is a 'Browse' section with links for Department, Author, Title, Type, Date issued, and Subject. To the right is a 'Search Research Outputs' section with three input fields, 'AND' dropdowns, a '+' button, and 'Reset' and 'Search' buttons. At the bottom, there are two sections: 'Recent Additions' and 'Most viewed', each showing a list of publications with a 'No Thumbnail Available' icon and a 'Publication' tag.

The Energy University

Communities & Collections Research Outputs Projects People Statistics

Home • Research Outputs

Browse

- Department
- Author
- Title
- Type
- Date issued
- Subject

Search Research Outputs

All

- All
- Title
- Author
- Editor
- Organization
- Subject
- Funding
- Has content in original bundle
- Original bundle filenames
- Original bundle descriptions
- Entity type

AND AND + Reset Search

Recent Additions

No Thumbnail Available Publication Distracted driver detection with deep convolution neural networks

Most viewed

No Thumbnail Available Publication Digital logic design - CSNB 163 - Semester 1, 2011/2012

13. Use the Boolean search function to get a detailed result.

The screenshot displays the 'Research Outputs' section of The Energy University website. The top navigation bar includes the university logo, a menu with 'Communities & Collections', 'Research Outputs', 'Projects', 'People', and 'Statistics', and search/user icons. A breadcrumb trail shows 'Home > Research Outputs'. The main content area is divided into a 'Browse' sidebar on the left and a 'Search Research Outputs' section on the right. The 'Browse' sidebar lists filters: Department, Author, Title, Type, Date issued, and Subject. The 'Search Research Outputs' section features three dropdown menus, each currently set to 'All', followed by empty text input fields. To the right of these fields is a dropdown menu for Boolean operators, which is open and shows 'AND' (highlighted in blue), 'OR', and 'NOT'. A red arrow points to this dropdown menu. Below the operator menu are 'Reset' and 'Search' buttons. At the bottom, there are two sections: 'Recent Additions' and 'Most viewed'. Each section shows a list of items, with the first item in each having a 'No Thumbnail Available' placeholder and a 'Publication' tag. The first item in 'Recent Additions' is 'Distracted driver detection with deep convolution neural networks'. The first item in 'Most viewed' is 'Digital logic design - CSNB 163 - Semester 1, 2011/2012'.

The Energy University

Communities & Collections Research Outputs Projects People Statistics

Home • Research Outputs

Browse

- Department
- Author
- Title
- Type
- Date issued
- Subject

Search Research Outputs

All All All

AND AND OR NOT +

Reset Search

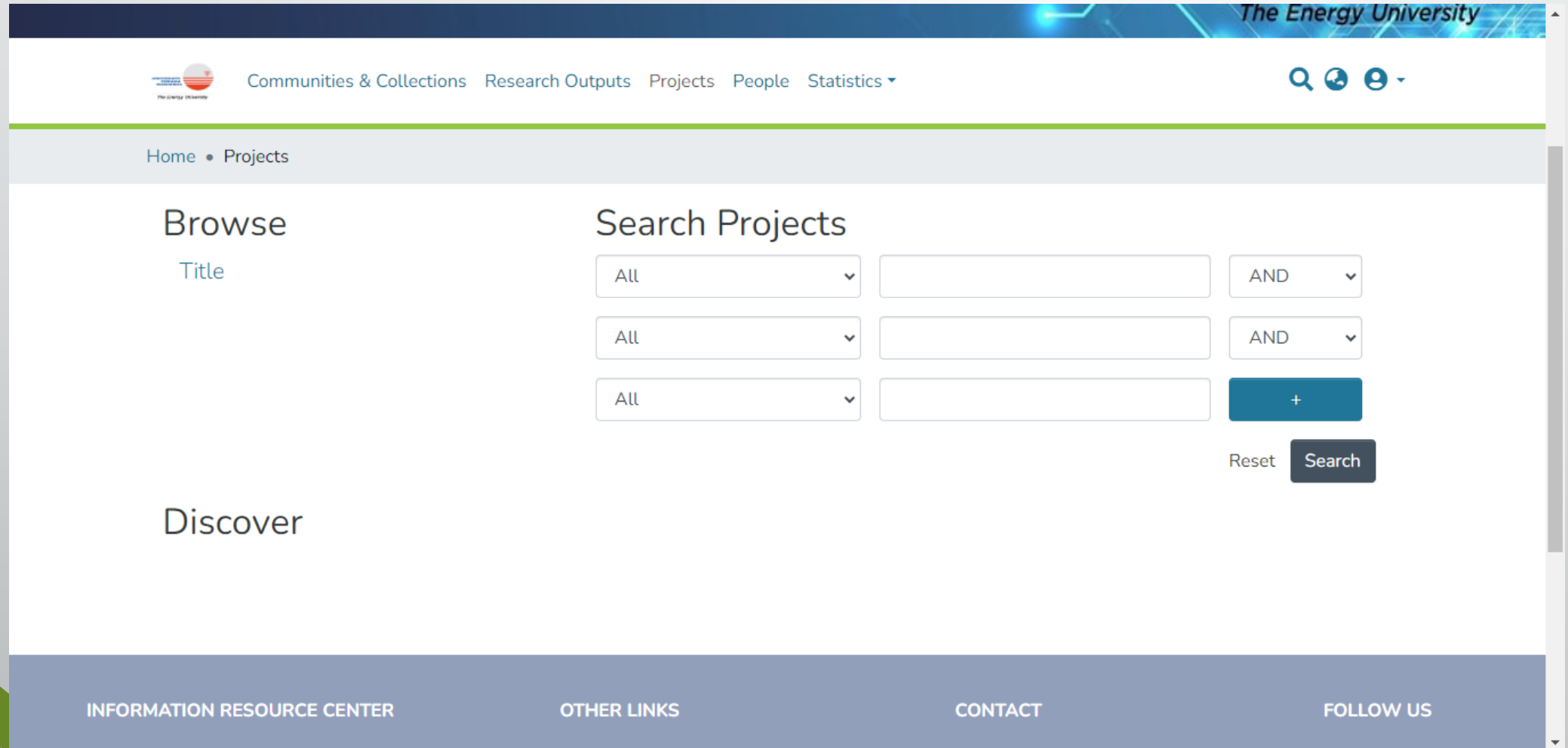
Recent Additions

No Thumbnail Available **Publication** Distracted driver detection with deep convolution neural networks

Most viewed

No Thumbnail Available **Publication** Digital logic design - CSNB 163 - Semester 1, 2011/2012

14. Users can also search for material by 'Project' via the navigation tab.



The screenshot displays the 'The Energy University' website. The top navigation bar includes links for 'Communities & Collections', 'Research Outputs', 'Projects', 'People', and 'Statistics'. The 'Projects' tab is highlighted. Below the navigation bar, a breadcrumb trail shows 'Home • Projects'. The main content area is divided into two sections: 'Browse' and 'Search Projects'. The 'Browse' section has a 'Title' filter. The 'Search Projects' section features three rows of search criteria, each with a dropdown menu set to 'All' and an empty text input field. To the right of these fields are two 'AND' dropdown menus and a blue button with a '+' sign. At the bottom of the search section are 'Reset' and 'Search' buttons. The footer contains four links: 'INFORMATION RESOURCE CENTER', 'OTHER LINKS', 'CONTACT', and 'FOLLOW US'.

The Energy University

Communities & Collections Research Outputs Projects People Statistics

Home • Projects

Browse

Title

Search Projects

All AND

All AND

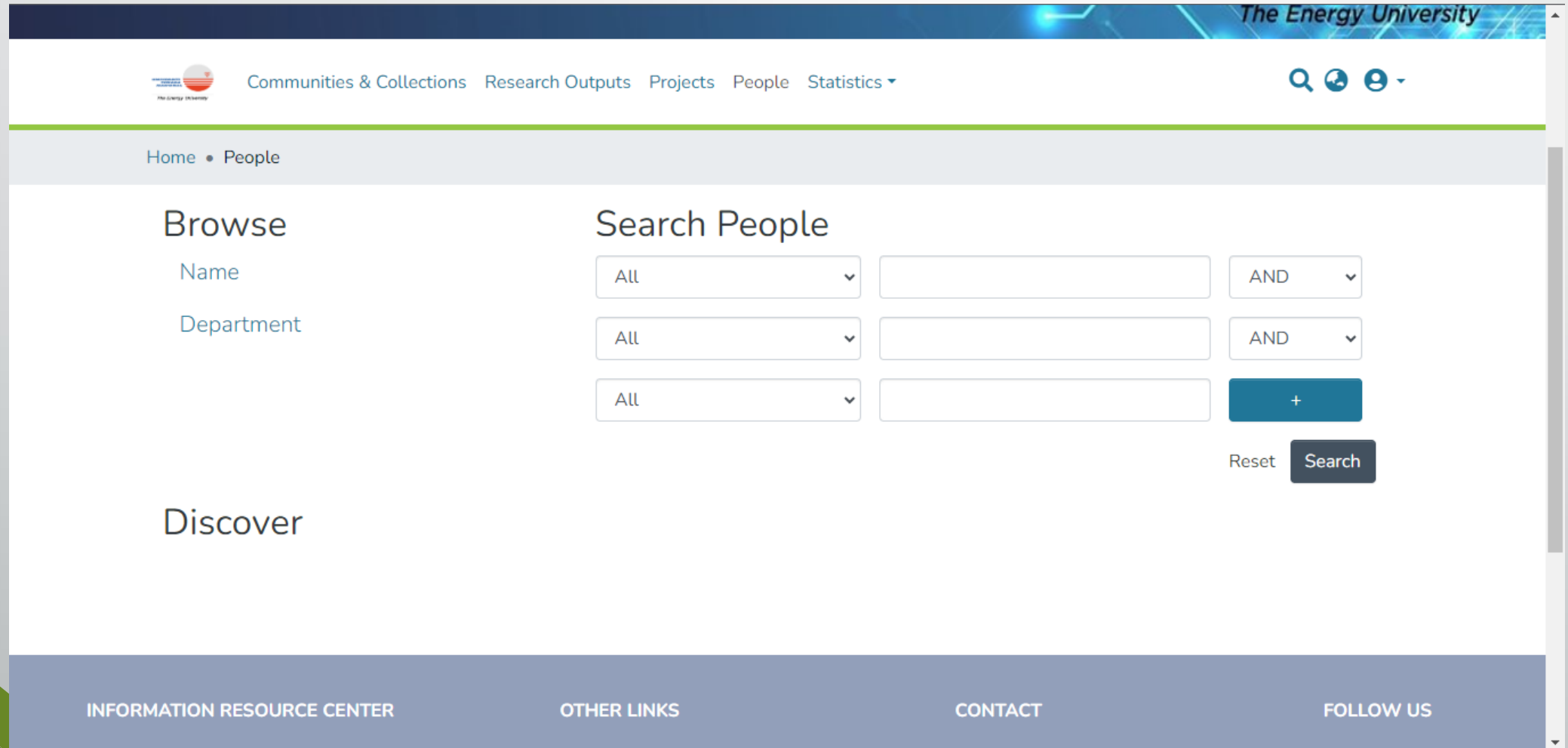
All +

Reset Search

Discover

INFORMATION RESOURCE CENTER OTHER LINKS CONTACT FOLLOW US

15. Users can also search for 'People' via the navigation tab to find specific author's work.



The screenshot displays the 'People' search page on The Energy University website. The header features the university's logo and navigation links: 'Communities & Collections', 'Research Outputs', 'Projects', 'People', and 'Statistics'. A search bar with a magnifying glass icon and a user profile icon is located in the top right. Below the header, a breadcrumb trail shows 'Home • People'. The main content area is divided into two sections: 'Browse' and 'Search People'. The 'Browse' section includes filters for 'Name' and 'Department'. The 'Search People' section contains three rows of search criteria, each with a dropdown menu set to 'All' and an adjacent text input field. To the right of these fields are two 'AND' dropdown menus and a blue button with a '+' sign. At the bottom of the search section are 'Reset' and 'Search' buttons. The footer contains four links: 'INFORMATION RESOURCE CENTER', 'OTHER LINKS', 'CONTACT', and 'FOLLOW US'.

The Energy University

Communities & Collections Research Outputs Projects People Statistics

Home • People

Browse

Name

Department

Search People

All AND

All AND

All +

Reset Search

Discover

INFORMATION RESOURCE CENTER OTHER LINKS CONTACT FOLLOW US



- THANK YOU -