

THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

Autonomous Institute Affiliated to VTU, Belagavi | Approved by AICTE

OFFICIAL USER MANUAL

NIE R&D PORTAL

User / Scholar & Faculty Module

A complete, step-by-step operational guide for faculty members, researchers, and scholars to submit research publications, record intellectual property, track funded grants, and manage accreditation-ready metrics.

Portal URL:	https://research.nie.ac.in
Target Audience:	Faculty Members, Research Scholars, Pls, Authors
Release Date:	September 2026
Governing Office:	Dean (Research & Development) / R&D Cell, NIE Mysuru

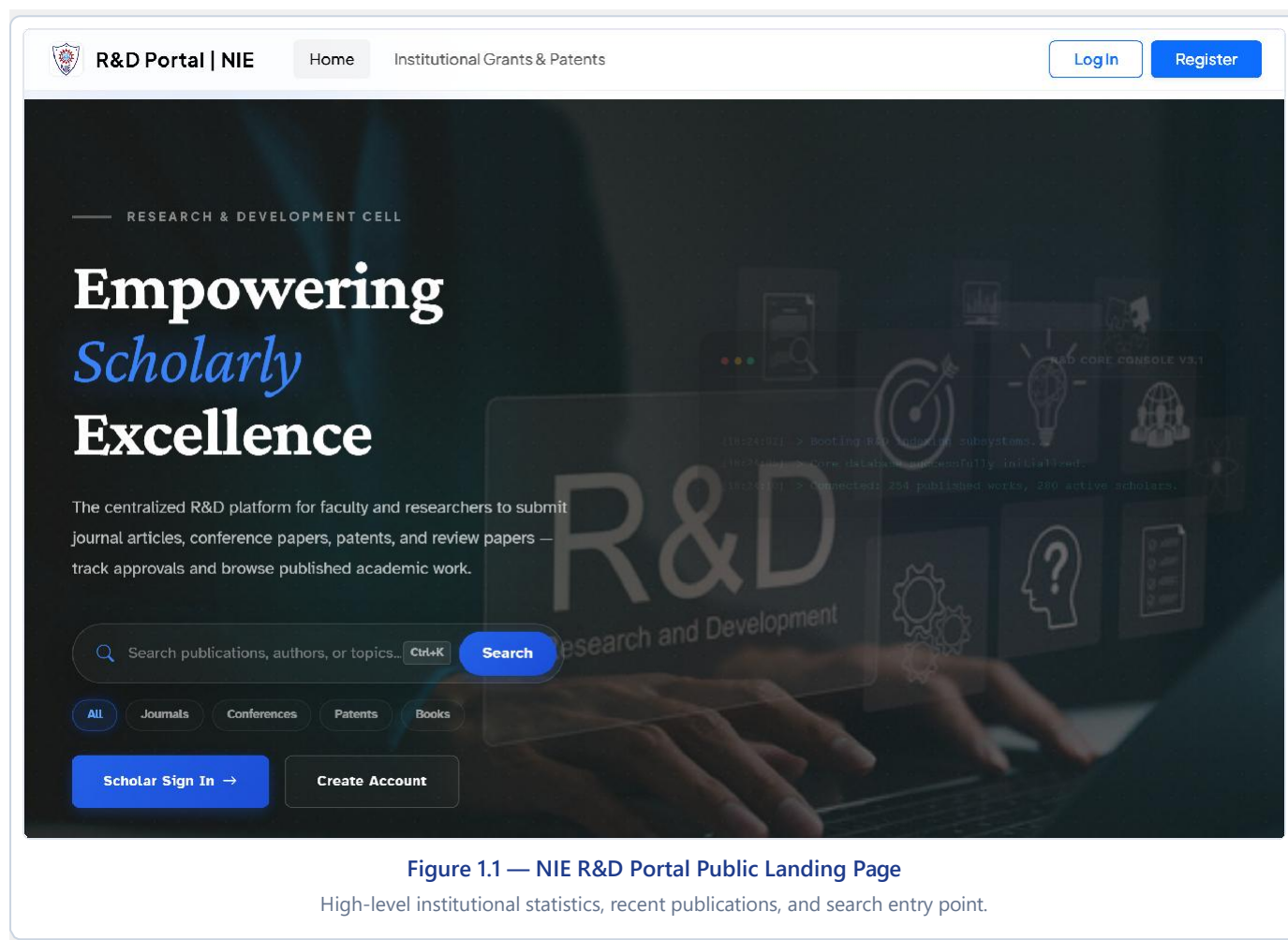
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1.0 Portal Overview & Research Architecture

The **National Institute of Engineering (NIE) R&D Portal** (hosted at <https://research.nie.ac.in>) is the centralized digital repository and review platform for all research and scholarly contributions generated across the institution. Developed specifically for college faculty, research scholars, and academic departments, the portal provides end-to-end visibility into journal publications, conference proceedings, funded research grants, and patent filings.



1.1 Purpose of the Centralized R&D Portal

Modern accreditation bodies (such as **NIRF**, **NAAC**, **NBA**, and **QS I-GAUGE**) require rigorous, auditable documentation of academic research. The NIE R&D Portal serves three core institutional objectives:

- **Standardized Archival:** Eliminates scattered paper and email submissions by providing a unified digital portal for all research outputs.
- **Quality Indexing Tracking:** Captures critical bibliometrics including Scopus Quartiles (Q1–Q4), Web of Science (WoS) accession numbers, Journal Impact Factors, and DOI links.
- **Transparent Administrative Review:** Establishes a formal workflow where submissions are reviewed by the R&D Cell with audit trails, timestamps, and actionable reviewer remarks.

1.2 Target Audience & Scholar Role Scope

The **Scholar & Faculty Module** (Module 1) is dedicated to:

- **Permanent & Adjunct Faculty Members** reporting annual publications for appraisal and accreditation.
- **Principal Investigators (PIs) and Co-PIs** managing sponsored grants and funded research.
- **Ph.D. and Postgraduate Research Scholars** logging doctoral research papers and dissertation links.
- **Student Innovators & Inventors** filing provisional or granted patents.

1.3 Overall Research Submission Lifecycle

Every research output logged by a scholar progresses through the following four-stage lifecycle:

- 1 **Submission:** Scholar completes the 3-step wizard, enters all required metadata, and submits the record.
Initial status: **PENDING**.
- 2 **Administrative Verification:** The R&D Cell evaluates the submission against official indexing databases (Scopus/WoS) and verifies institutional affiliation.
- 3 **Approval or Rejection:**
 - If accurate, the administrator approves the record. Status becomes **APPROVED**. It is indexed in institutional reports and made publicly searchable.
 - If discrepancies exist, the administrator provides mandatory feedback. Status becomes **REJECTED**.
- 4 **Correction & Resubmission:** Scholar reviews feedback on the *My Publications* dashboard, corrects the required fields, and resubmits for secondary review.

2.0 Account Onboarding & Authentication

To access the scholar submission features, faculty and researchers must authenticate with registered institutional credentials.

2.1 Scholar Account Registration

New faculty and scholars must register an account before submitting publications. Navigate to `/auth/register` from the top navigation bar.

R&D Portal | NIE Home Institutional Grants & Patents Log In Register

Create Scholar Account

Register to submit and track research publications

FULL NAME *
Dr. / Prof. / Scholar Name

COLLEGE EMAIL * name@college.edu **PHONE NUMBER** 9876543210

DEPARTMENT * MCA **DESIGNATION *** Student

PASSWORD * Min 6 characters **CONFIRM PASSWORD *** Repeat password

[Create Scholar Account](#)

Figure 2.1 — Scholar Registration Page
Complete profile details and select active academic department.

The registration form captures the following parameters:

Field Label	Requirement	Description & Format
Full Name	MANDATORY	Your official academic name as it appears on publications (e.g., <i>Dr. Ramesh Kumar</i>).
Email Address	MANDATORY	Official institutional email address (e.g., <i>user@nie.ac.in</i>). Must be unique.
Phone Number	OPTIONAL	10-digit mobile contact number for institutional SMS alerts.
Department	MANDATORY	Select your academic department from the dynamically populated dropdown (e.g., <i>Computer Science & Engineering</i>).
Designation	MANDATORY	Academic designation (e.g., <i>Assistant Professor, Associate Professor, Professor, Research Scholar</i>).
Password & Confirm	MANDATORY	Choose a secure password and repeat to confirm.

Rate Limiting Protection

Registration is protected by strict IP rate limits (maximum 10 registration attempts per hour) to prevent automated bot signups.

2.2 Portal Login Workflow

Once registered, access the login page at `/auth/login`.

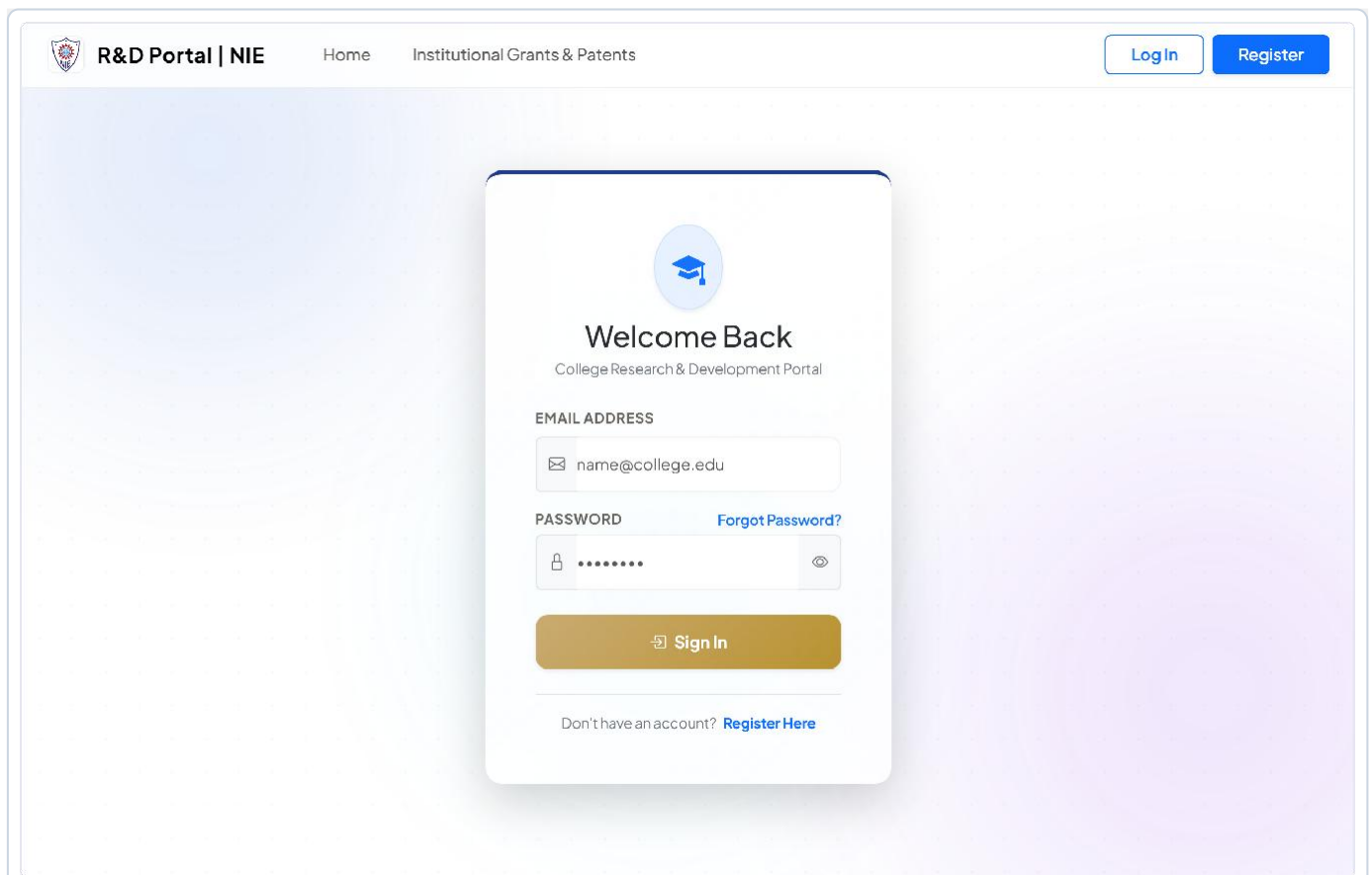


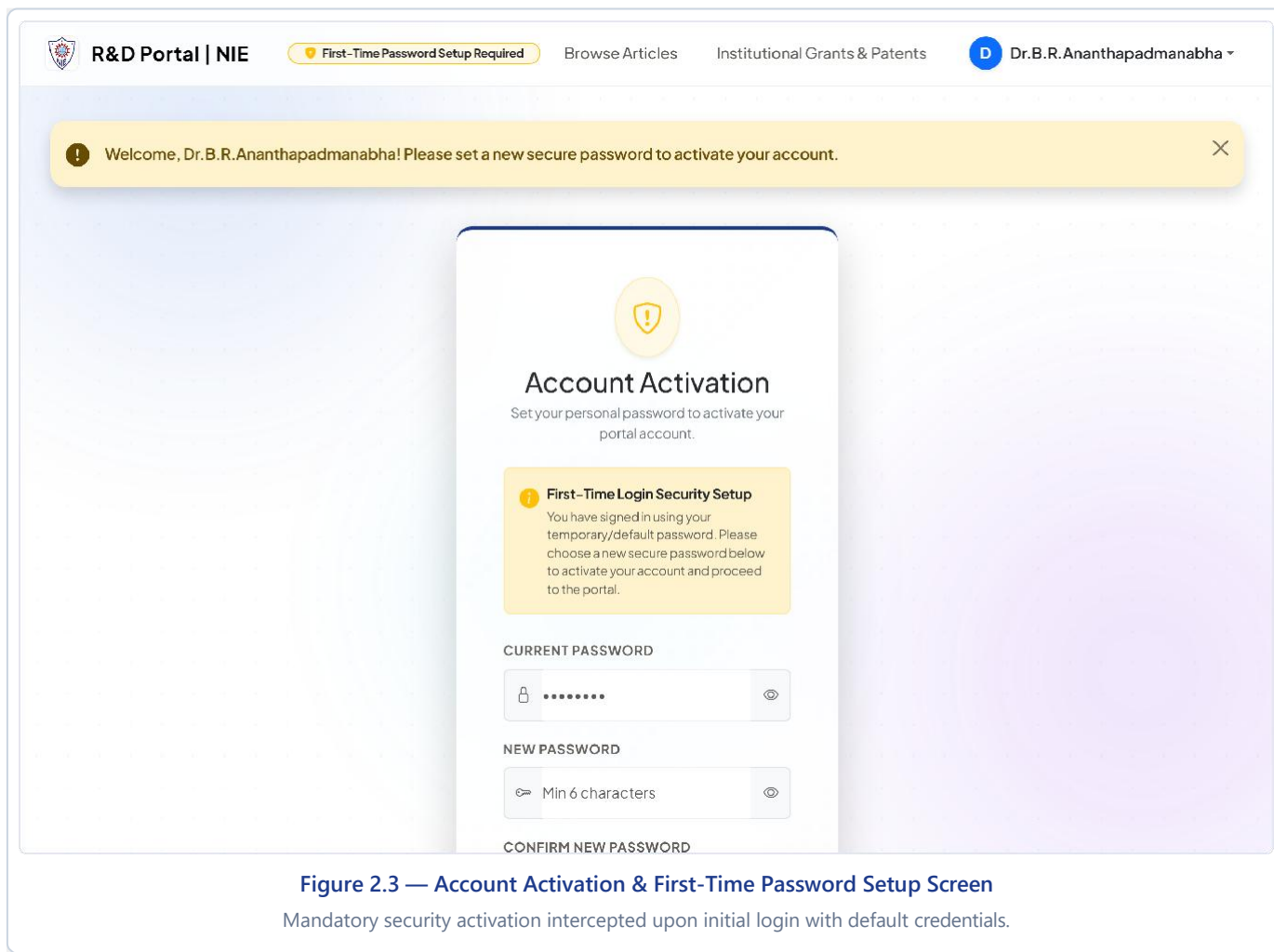
Figure 2.2 — Portal Login Screen

Enter registered institutional email and account password.

- 1 Enter your registered **Email Address**.
- 2 Enter your **Password**.
- 3 Click **Sign In**. Upon successful authentication, you will be redirected to the **Scholar Dashboard** (/user/dashboard).

2.3 First-Time Login & Mandatory Password Setup

For faculty members and scholars whose accounts were pre-provisioned by the institutional R&D Cell or initialized through master faculty roster imports, a temporary default password is initially assigned.



Security Interception Guard

To comply with institutional data governance and prevent unauthorized submissions, scholars logging in with default credentials cannot access submission forms, article ledgers, or analytics until they establish a personalized, secure password.

- 1 **Automatic Redirection:** Signing in for the first time with your temporary default password automatically redirects you to the **Account Activation** screen (/auth/change-password).
- 2 **Security Complexity Check:** Your new password must satisfy institutional security policies:
 - Minimum length of at least 6 characters.
 - Must contain at least one uppercase letter (A–Z).
 - Must contain at least one special character (@, #, \$, !, %, *, ?, &).
 - Cannot be identical to the temporary default password.
- 3 **Account Activation:** Enter your default password in *Current Password*, input your chosen new password and confirmation, then click **Activate Account & Save Password**.
- 4 **Immediate Full Access:** The account is instantly activated, and you are redirected to the **Scholar Dashboard**. All future logins use your new personal password directly.

2.4 Password Recovery (Forgot Password)

If you forget your password, click the **Forgot Password?** link on the login page or navigate directly to `/auth/forgot-password`.

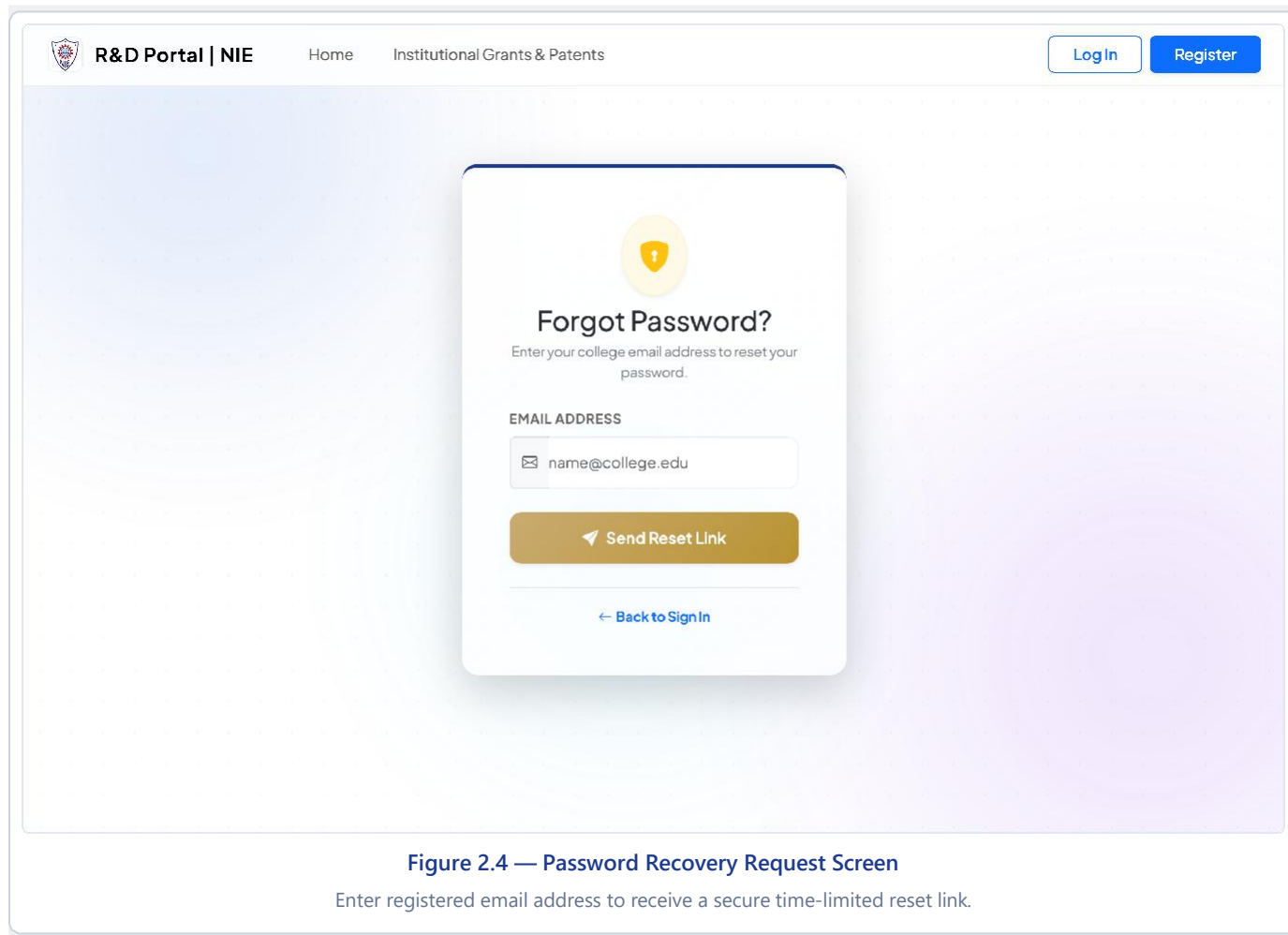
The screenshot shows the 'Forgot Password?' screen of the R&D Portal. At the top, there is a navigation bar with the NIE logo, the text 'R&D Portal | NIE', and links for 'Home' and 'Institutional Grants & Patents'. On the right side of the navigation bar are 'Log In' and 'Register' buttons. The main content area has a light blue and purple gradient background. In the center, there is a white card with a yellow shield icon containing a question mark. Below the icon, the text 'Forgot Password?' is displayed, followed by the instruction 'Enter your college email address to reset your password.' Below this is a text input field labeled 'EMAIL ADDRESS' with the placeholder text 'name@college.edu'. Under the input field is a large orange button labeled 'Send Reset Link'. At the bottom of the card is a blue link labeled 'Back to Sign In'.

Figure 2.4 — Password Recovery Request Screen

Enter registered email address to receive a secure time-limited reset link.

Enter your registered institutional email address and click **Send Reset Link**. The system will dispatch an automated email via the institutional SMTP relay containing a secure token valid for 30 minutes. Follow the link to enter your new password.

2.5 Profile & Password Management

Scholars can update their academic profile details and manage passwords at any time from the account menu in the top navigation bar:

Profile Settings (/user/profile/edit)

Update your official name, phone number, designated department, and academic rank. Changes take effect immediately across all future submissions.

Figure 2.5 — Profile Settings

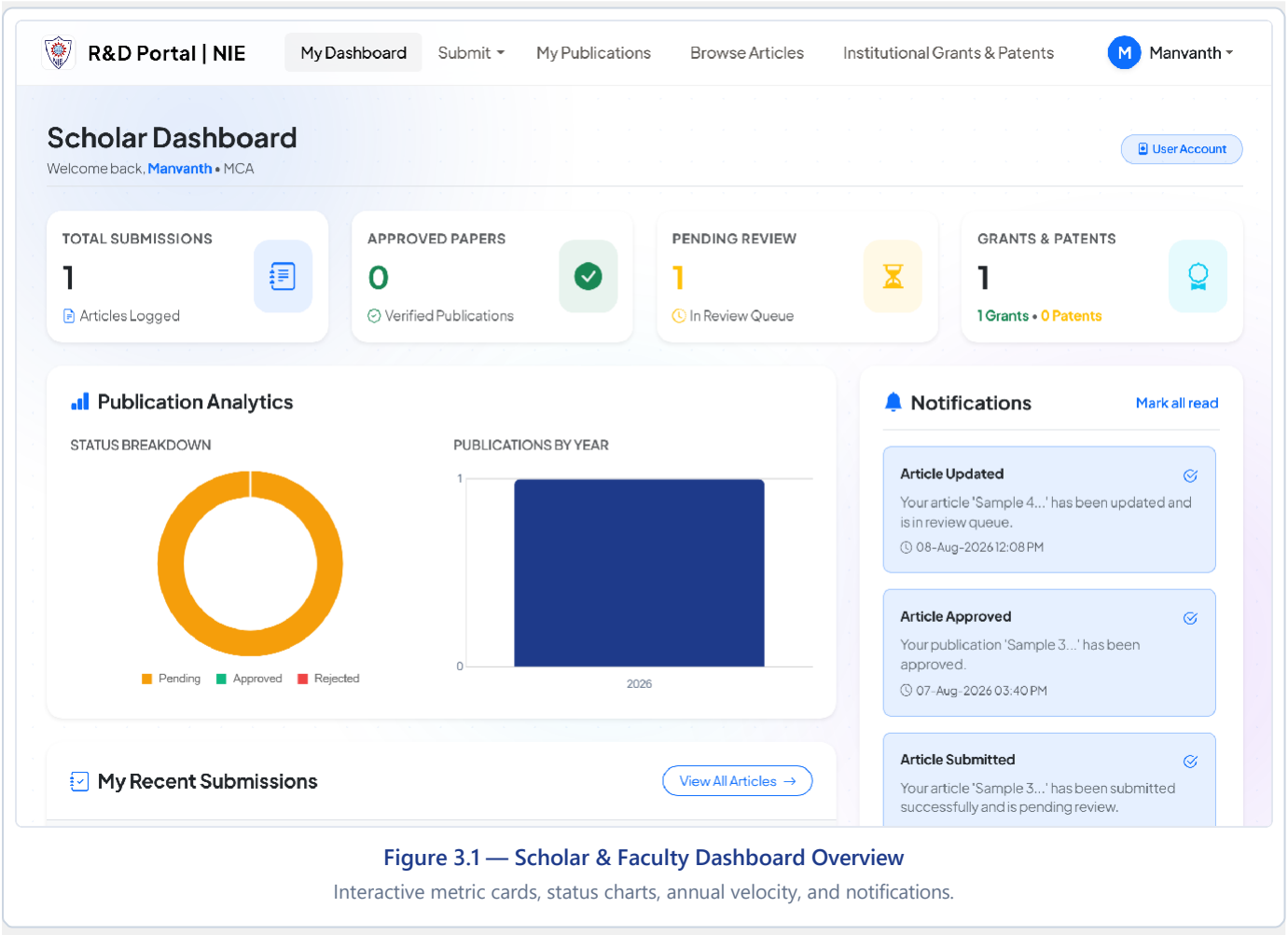
Change Password (/auth/change-password)

Regular password updates are recommended. Provide your current active password followed by your new password and confirmation.

Figure 2.6 — Change Password

3.0 Scholar & Faculty Dashboard Walkthrough

Upon authenticating, users arrive at the **Scholar Dashboard** (/user/dashboard). This page serves as your personal research control center.



3.1 Core Research Metric Cards & Shortcuts

The top row features four high-impact metric cards that summarize your personal research portfolio:

Metric Card	What It Measures	Interactive Click Destination
Total Submissions	Cumulative count of all research articles submitted across all statuses.	Navigates to /user/my-articles (All Articles view)
Approved Papers	Articles reviewed and officially verified by the R&D Cell Admin.	Navigates to /user/my-articles (Approved tab)
Pending Review	Articles currently in the administrative review queue awaiting evaluation.	Navigates to /user/my-articles (Pending tab)
Grants & Patents	Total count of sponsored research projects and intellectual property filings.	Navigates to /user/my-articles (Grants & Patents tabs)

Interactive Navigation Cards

All four metric cards are clickable. Clicking on any card opens the corresponding filtered list on the **My Publications** page.

3.2 Status Breakdown & Annual Output Charts

- **Review Status Donut Chart:** Illustrates the percentage distribution of your publications across *Approved* (green), *Pending Review* (orange), and *Rejected* (red).
- **Publications by Year Bar Chart:** Plots your annual publication trajectory over calendar years, enabling easy reporting during annual performance appraisals (PBAS).
- **Scopus Quality Mix:** Summarizes your contributions across Scopus Quartiles Q1, Q2, Q3, and Q4.

3.3 Notifications Feed & Activity Log

The right sidebar features the real-time notification stream. You will receive instantaneous alerts when:

- Your article, grant, or patent is approved by the R&D Cell.
- An article is rejected, including reviewer comments and correction requests.
- Accreditation deadlines or institutional submission reminders are posted.

Click **Mark all as read** to dismiss active notifications.

4.0 Submitting a Research Publication

Submitting research publications is the core feature of the portal. The system utilizes an intuitive **3-Step Centralized Publication Tracker Wizard** to simplify complex bibliographic reporting.

4.1 Launching the Publication Tracker Wizard

To begin a submission, click **Submit → Research Publication** in the top navigation bar or click **Submit New Article** from the dashboard or publications ledger. This loads /user/article/submit.

 R&D Portal | NIE

My Dashboard

Submit ▾

My Publications

Browse Articles

Institutional Grants & Patents

M

 Manvanth ▾

 **Centralized Publication Tracker**

Centralized publication reporting portal for NIE authors. Grouped into steps for simple reporting.

1. General Info

2. Venue & Metrics

3. Funding

1. Publication Title & Classifications

PUBLICATION TITLE *

Enter full research paper title

ABSTRACT *

Enter a comprehensive abstract

KEYWORDS *

AI, Machine Learning, Analytics (comma separated)

DEPARTMENT *

MCA ▾

CAMPUS *

South Campus ▾

RESEARCH AREA *

e.g. Machine Learning, 1

PUBLICATION TYPE *

Conference ▾

Figure 4.1 — Publication Tracker: Step 1 (General Info & Classifications)

Title, abstract, keywords, academic department, campus, and research area.

4.2 Fast-Track Publication Import via DOI (Crossref Integration)

To eliminate repetitive manual data entry, the portal integrates an **Automated DOI Auto-Fill Engine** connected directly to the global **Crossref metadata repository**. Authors can auto-populate comprehensive bibliographic details and author rosters in seconds using only the publication's Digital Object Identifier (DOI).

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The screenshot displays the 'Centralized Publication Tracker' interface. At the top, there's a navigation bar with 'R&D Portal | NIE', 'My Dashboard', 'Submit', 'My Publications', 'Browse Articles', 'Institutional Grants & Patents', 'User Manual', and a user profile 'Manvanth M'. The main section is titled 'Centralized Publication Tracker' with a subtitle 'Centralized publication reporting portal for NIE authors. Grouped into steps for simple reporting.' Below this, a 'Fast-Track Submission via DOI' banner is shown. It includes a text input field with the DOI '10.1016/j.patcog.2023.' and a blue 'Auto-Fill' button. A green success message states: 'Details imported successfully! Title, Journal (Pattern Recognition), Publication Year (2023), and 5 author(s) populated from Crossref. Note: Crossref did not provide an abstract. Please enter an Abstract, Keywords, and Research Area before submitting.' Below the banner, there are three tabs: '1. General Info', '2. Venue & Metrics', and '3. Funding'. The '1. General Info' tab is active, showing '1. Publication Title & Classifications'. Under 'PUBLICATION TITLE *', there's a text input field containing 'Patch-guided point matching for point cloud registration with low overlap' with a green checkmark. Below this, under 'ABSTRACT *', there's a text input field with the placeholder 'Enter a comprehensive abstract'.

Figure 4.2 — Fast-Track Submission via DOI (Crossref Live Synchronization)

Real-time metadata ingestion populating title, journal, publisher, publication year, pagination, and multi-author rosters with visual green highlight feedback.

How to Use One-Click DOI Import:

- 1 **Locate the Quick Auto-Fill Banner:** Positioned at the top of the Centralized Publication Tracker (/user/article/submit and /user/article/edit/<id>).
- 2 **Paste DOI:** Enter any valid DOI string (e.g. 10.1016/j.patcog.2023.109876) or DOI URL (e.g. https://doi.org/10.1109/ACCESS.2024.1234567). The system automatically cleans URL prefixes.
- 3 **Click Auto-Fill:** Click the blue **Auto-Fill** button. The portal queries Crossref via secure asynchronous lookup.
- 4 **Review Synchronized Data:** Populated inputs are highlighted with soft green visual indicators and checkmarks. Co-authors are split and added to the roster in published order.
- 5 **Complete & Submit:** Verify the imported data, select your credited Department and Campus, review co-authors, and submit for R&D Cell review.

Automated Duplicate Detection & Collision Prevention

The DOI engine checks against existing database records. If the DOI or exact paper title has already been submitted by yourself or another scholar, an immediate alert prevents accidental duplicate submissions.

4.3 Step 1: Publication Title & Classifications

The first step captures high-level descriptive metadata:

Field Label	Type	Instructions	Example Input
Publication Title	MANDATORY	Enter the exact, complete title as published.	<i>Deep Learning for Acoustic Signal Processing in Industrial Fault Detection</i>
Abstract	MANDATORY	Provide a comprehensive summary of the research methodology and key findings.	<i>In this paper, we propose a novel convolutional architecture...</i>
Keywords	MANDATORY	Enter comma-separated keywords for search indexing.	<i>Deep Learning, Fault Detection, Acoustic Signals, IoT</i>
Department	MANDATORY	Select the primary academic department credited.	<i>Computer Science & Engineering</i>
Campus	MANDATORY	Select institutional campus location.	<i>North Campus or South Campus</i>
Research Area	MANDATORY	Specific disciplinary sub-domain.	<i>Machine Learning & Signal Processing</i>
Publication Type	MANDATORY	Select formal classification.	<i>Journal Article, Conference Paper, or Book Chapter</i>

4.4 Dynamic Author Roster & Corresponding Author

Located directly beneath Step 1 is the **Authors & Contributions** card. NIE requires complete transparency regarding student and external co-authors.

The screenshot displays the NIE R&D Portal submission interface. At the top, navigation links include 'My Dashboard', 'Submit', 'My Publications', 'Browse Articles', and 'Institutional Grants & Patents'. The user 'Manvanth' is logged in. The form includes fields for an abstract, keywords (e.g., 'AI, Machine Learning, Analytics'), and dropdown menus for department (MCA), campus (South Campus), research area (e.g., Machine Learning), and publication type (Conference). The 'Authors & Contributions' section features a '+ Add Co-Author' button and a table for author details.

Authors & Contributions			
Author #1 (Main) Full Name * Dr. Jane Smith Department MCA / CSE Affiliation * ABC Institute of Technology Email * jane.smith@college.edu ORCID (Optional) 0000-0002-1825-0097 Corresponding Author ☐			

Figure 4.3 — Dynamic Author Roster with Added Co-Authors
Add co-authors in sequence, designate affiliations, and flag corresponding authors.

Managing Author Entries:

- Click **+ Add Co-Author** to dynamically append a new author row.
- **Author Full Name:** Enter the contributor's full academic name.
- **Department & Affiliation:** Specify institutional affiliation (e.g., *NIE Mysuru* or external university/company).
- **Email & ORCID ID:** Enter institutional email and 16-digit ORCID identifier (0000-000X-XXXX-XXXX).
- **Corresponding Author Flag:** Check the *Is Corresponding Author* checkbox for the designated corresponding author.
- **Removing Authors:** Click the red trash icon to delete an author row before submission.

4.5 Step 2: Venue Details, Scopus Quartiles & WoS

Click **Next Step** or click the **2. Venue & Metrics** tab pill to advance.



R&D Portal | NIE

[My Dashboard](#)

Submit ▾

[My Publications](#)[Browse Articles](#)[Institutional Grants & Patents](#)

M

Manvanth ▾

 **Centralized Publication Tracker**

Centralized publication reporting portal for NIE authors. Grouped into steps for simple reporting.

1. General Info

2. Venue & Metrics

3. Funding

 **Journal/Conference Venue Details**

PUBLISHER *

e.g.

IEEE, Springer, EI

JOURNAL / CONFERENCE / VENUE NAME

e.g.

IEEE Transactions on Neural Networks

PUBLICATION YEAR *

2026

VOLUME

e.g.

15

ISSUE

e.g.

4

PAGES

e.g.

210–225

DOI

e.g.

10.1109/TNN.2026.123

ISSN

e.g.

1045–9227

ISBN

e.g.

978–3–16–14841

PUBLISHED LINK (URL)

https://ieeexplore.ieee.org/document/123

Figure 4.4 — Publication Tracker: Step 2 (Venue & Bibliometrics)

Publisher, venue name, year, volume, issue, pages, DOI, and publication stage.

Field Label	Type	Instructions	Example Input
Publisher	MANDATORY	Publishing house or organization.	IEEE, Elsevier, Springer Nature
Journal / Venue Name	MANDATORY	Official journal or conference proceedings title.	IEEE Transactions on Industrial Informatics
Publication Year	MANDATORY	4-digit calendar year. Defaults to current year.	2026
Volume, Issue, Pages	OPTIONAL	Specific bibliographic location numbers.	Vol. 22, Issue 4, pp. 312–326
Publication Stage	MANDATORY	Current status in publishing pipeline.	Draft, Submitted, Under Review, Accepted, or Published
DOI & Published Link	CONDITIONAL	Mandatory if stage is <i>Published</i> . Digital link to paper.	10.1109/TII.2025.3214567
ISSN / ISBN	OPTIONAL	Standard serial or book identifier.	1551-3203

R&D Portal | NIE My Dashboard **Submit** My Publications Browse Articles Institutional Grants & Patents **M** Manvanth

PUBLICATION YEAR * VOLUME ISSUE PAGES

2026 e.g. 15 e.g. 4 e.g. 210–225

DOI ISSN ISBN

e.g. 10.1109/TNN.2026.123 e.g. 1045–9227 e.g. 978–3–16–14841

PUBLISHED LINK (URL)

https://ieeexplore.ieee.org/document/123

Advanced Indexing & Metrics Tracker

CORRESPONDING AUTHOR NAME EXTERNAL STATUS STAGE *

e.g. Dr. John Doe Published

START DATE ACCEPTANCE DATE (PROBABLE) IMPACT FACTOR (IF) SCOPUS QUARTILE

dd-----yyyy dd-----yyyy 0.0 None

CITATION COUNT CITATIONS UPDATED ON TARGET VENUE (JOURNAL / CONF)

0 dd-----yyyy e.g. Pattern Recognition

REJECTION / REVISION COUNT PHD THESIS LINK (IF APPLICABLE)

Figure 4.5 — Quality Indexing, Scopus Quartile & Web of Science Toggle

Select quartile ranking, impact factor, citations, and toggle WoS indexing.

Quality & Indexing Parameters:

- **Scopus Quartile Ranking:** Select Q1, Q2, Q3, Q4, or None. Q1 and Q2 papers directly impact institutional NIRF scores.
- **Web of Science Indexed:** Toggle the switch to ON if the journal is indexed in SCI, SCIE, or ESCI.
- **Journal Impact Factor:** Clarivate JCR impact factor score (e.g., 5.43).
- **Citation Count & Date:** Number of citations received and date recorded.
- **PhD Thesis Link:** Link to Shodhganga or institutional repository if paper originated from doctoral thesis work.

4.6 Step 3: Funding Details & Student Co-Authors

Click **Next Step** or click the **3. Funding** tab pill to advance to the final stage.

Centralized Publication Tracker
Centralized publication reporting portal for NIE authors. Grouped into steps for simple reporting.

1. General Info 2. Venue & Metrics **3. Funding**

\$ 3. Research Project Funding & Collaborations

EXTERNAL COLLABORATORS
List external institutions, researchers (comma separated)

STUDENT CO-AUTHORS
List participating student names (comma separated)

← Previous Submit Article

Figure 4.6 — Step 3: Funding Details & Student Co-Authors
Log funding grants, external collaborators, and participating students before final submission.

Step 3 Information Fields:

- **External Collaborators:** List collaborating researchers and institutions outside NIE.
- **Student Co-Authors:** List student authors who contributed to the research.
- **Funding & Grant Details:** Specify any sponsoring agencies or internal seed grants that funded the research.
- **Review & Final Submission:** Confirm all bibliographic, author affiliation, and indexing details before clicking **Submit Publication**.

4.7 Submission Validation Rules & Duplicate Detection

Automated Duplicate Prevention Gates

The portal enforces two automated integrity checks upon clicking **Submit Publication**:

1. **DOI Gate:** If the stage is *Published*, the DOI must be provided and must be unique. If an article with the same DOI exists, submission will be rejected.
2. **Title Gate:** If an article with the identical title already exists in the institutional database, submission will be blocked.

5.0 Sponsored Research Grants Module

Faculty conducting funded research must record their project sanction details to enable institutional R&D capital accounting. Navigate to **Submit → Research Grant** or `/user/submit-grant`.

**R&D Portal | NIE**

[My Dashboard](#)[Submit ▾](#)[My Publications](#)[Browse Articles](#)[Institutional Grants & Patents](#)

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Submit Research Grant

Add a new research grant to your profile.

Project Name *

Enter full project title

Sponsoring Agency

e.g. DST, AICTE

Amount Sanctioned (Rs)

Duration

e.g. 2 Years

Project Status

▾

Remarks (Optional)

Principal Investigator

PI Name

Amount Released (Rs)

Year of Sanction

e.g. 2024

Outcome

Brief outcome description

Figure 5.1 — Sponsored Research Grant Submission Form

Log funded project title, funding agency, sanctioned budget, and project duration.

5.1 Logging a Research Grant

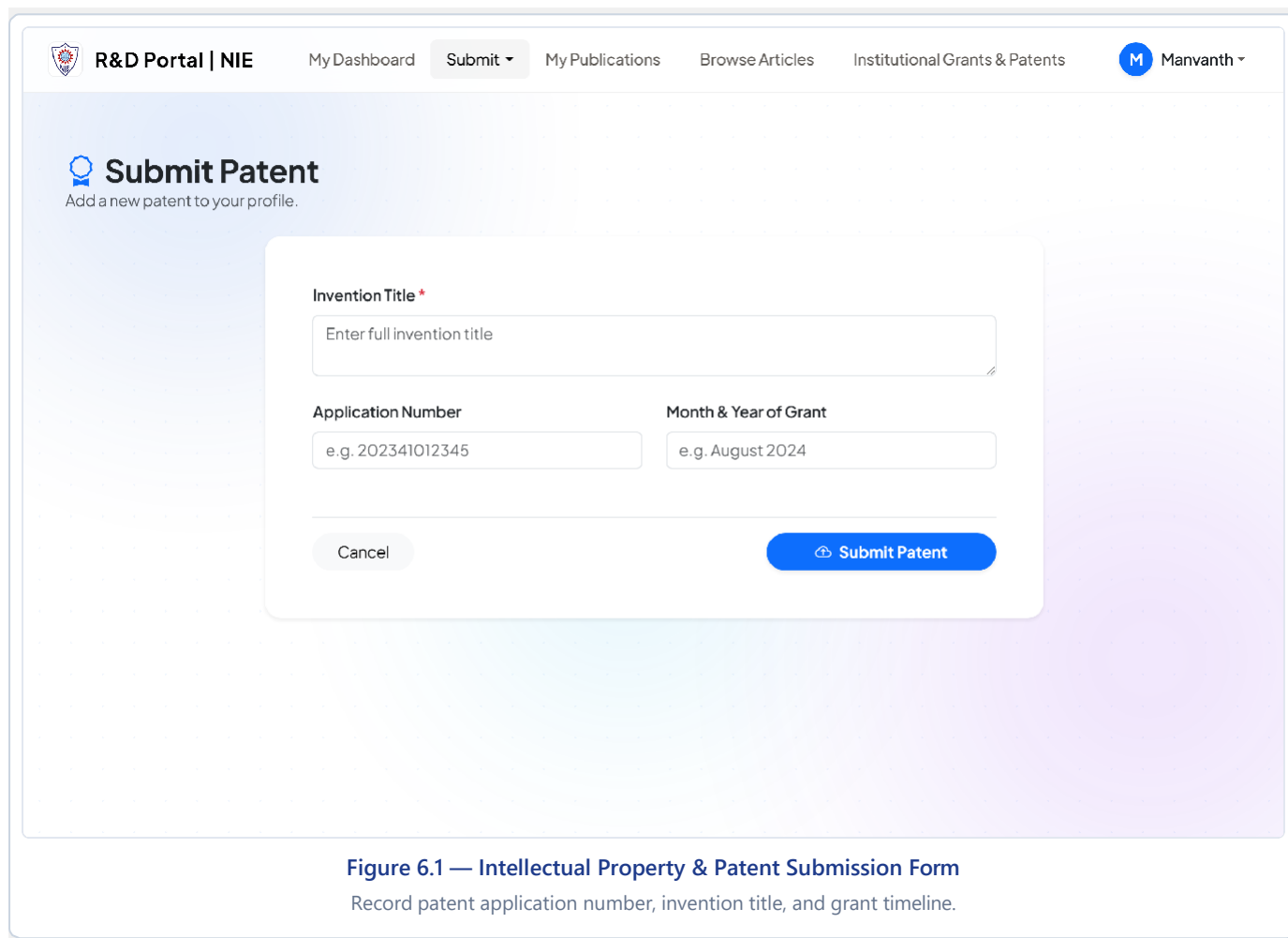
Principal Investigators (PIs) and Co-PIs can record externally funded projects from agencies such as DST, SERB, AICTE, ISRO, DRDO, or industrial corporate sponsors.

5.2 Grant Fields & Sanction Metadata Reference

Field Name	Requirement	Guidance & Example
Project Name / Title	MANDATORY	Official sanctioned title (e.g., <i>Design of AI-Enabled Edge Devices for Smart Grid Monitoring</i>).
Sponsoring Agency	MANDATORY	Funding body (e.g., <i>DST-SERB, AICTE-RPS, VGST, KSCST</i>).
Amount Sanctioned (INR)	MANDATORY	Total sanctioned funding in rupees (e.g., 2500000).
Amount Released (INR)	OPTIONAL	Current funds released/disbursed to college accounts.
Duration (Months)	MANDATORY	Total project tenure (e.g., 36).
Year of Sanction	MANDATORY	Financial year of formal sanction (e.g., 2025).
Principal Investigator (PI)	MANDATORY	Name of primary NIE faculty lead.
Project Status	MANDATORY	Select <i>Ongoing</i> , <i>Completed</i> , or <i>Sanctioned</i> .
Project Outcomes & Remarks	OPTIONAL	Summary of deliverables, prototype models, or patents filed.

6.0 Patents & Intellectual Property (IP)

The NIE R&D Cell maintains an official registry of all institutional intellectual property disclosures. Faculty and student inventors can log patent applications via **Submit → Patent** (/user/submit-patent).



R&D Portal | NIE My Dashboard **Submit** My Publications Browse Articles Institutional Grants & Patents **M** Manvanth

Submit Patent

Add a new patent to your profile.

Invention Title *
Enter full invention title

Application Number
e.g. 202341012345

Month & Year of Grant
e.g. August 2024

Cancel **Submit Patent**

Figure 6.1 — Intellectual Property & Patent Submission Form
Record patent application number, invention title, and grant timeline.

6.1 Logging an Invention or Patent Disclosure

Before filing or immediately following formal application submission to the Indian Patent Office (IPO) or international patent jurisdictions, inventors must record the filing details in the portal.

6.2 Patent Status Stages & Documentation

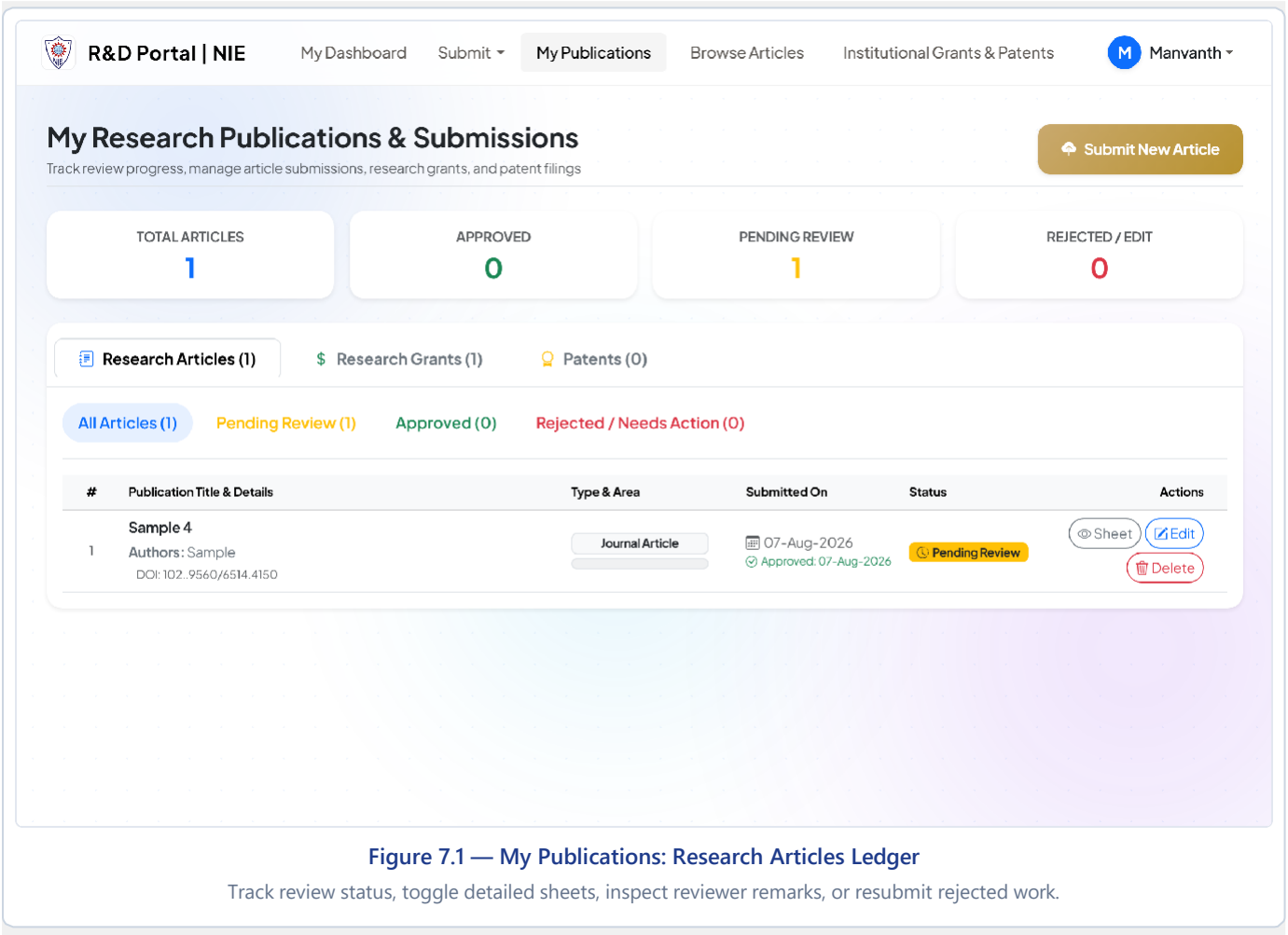
Field Name	Requirement	Description
Application Number	MANDATORY	Official application number issued by the patent office (e.g., 202641012345 A).
Invention Title	MANDATORY	Complete technical title as filed (e.g., <i>Self-Cleaning Optical Sensor for Solar Arrays</i>).
Month & Year of Grant	CONDITIONAL	Date of formal grant certificate issuance (required only if status is <i>Granted</i>).

Patent Review Workflow

Submitted patents are reviewed by the R&D Cell Admin to verify official filing receipts before they are included in public institutional intellectual property showcases.

7.0 Managing Submissions (My Publications)

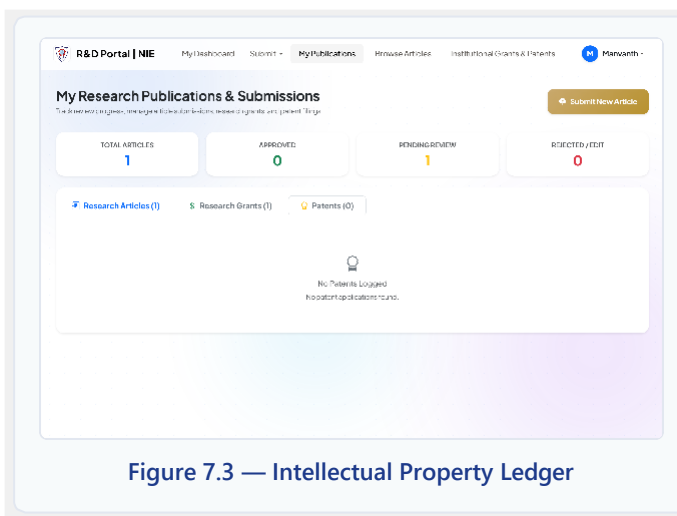
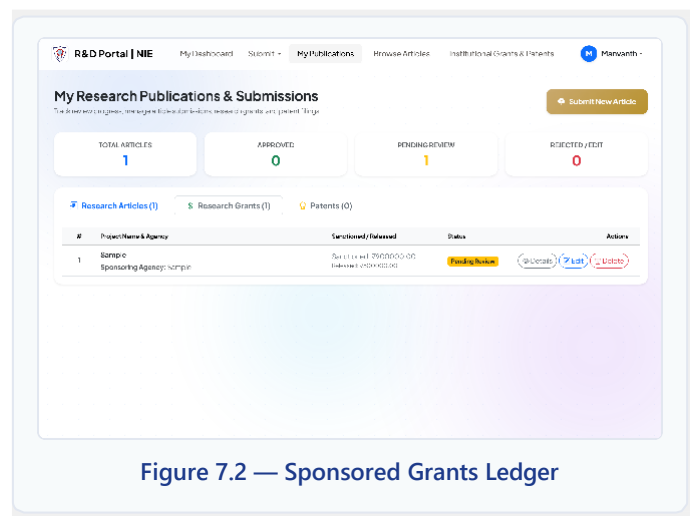
The **My Publications** page (/user/my-articles) is the central management ledger where scholars track submitted articles, research grants, and patents.



7.1 Submissions Ledger (Articles, Grants, Patents)

The page features three primary category tabs:

- **Research Articles:** Master table of all journal and conference submissions. Includes filter pills for *All Articles*, *Pending Review*, *Approved*, and *Rejected / Needs Action*.
- **Research Grants:** Tabular ledger of all personal sponsored projects and funding records.
- **Patents:** Registry of intellectual property filings and current review states.



7.2 Understanding Submission Review Statuses

Each entry displays a distinct status badge:

- **PENDING REVIEW** : The article has been queued for evaluation. The R&D Cell administrator has not yet processed the record.
- **APPROVED** : The publication has been verified against indexing databases. The record is permanently logged in the institutional repository and appears in public browse results.
- **REJECTED** : The administrator identified issues (e.g., incomplete author names, missing department attribution, incorrect Scopus quartile). Mandatory reviewer feedback is displayed.

7.3 Review Feedback & Rejection Comments Alert

When an article is rejected, a red alert banner appears directly beneath the article title in the ledger:

Sample Rejection Alert Banner

Rejection Reason: "Please update the Scopus Quartile from Q1 to Q2 according to the 2025 SJR indexing list, and ensure corresponding author affiliation is marked correctly."

7.4 Revision & Fast Resubmission Workflow

Scholars can correct and resubmit rejected publications without re-entering all data:

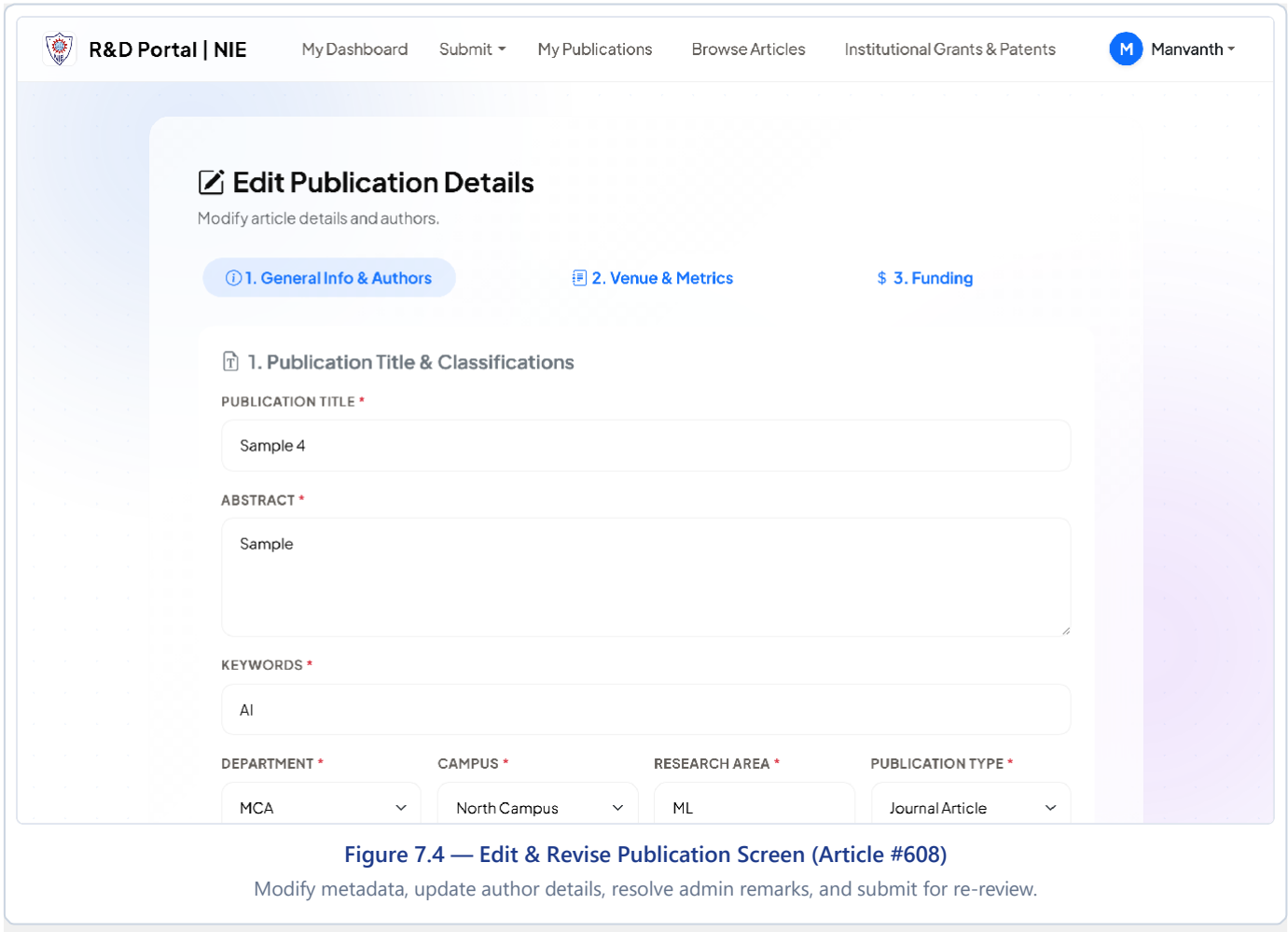


Figure 7.4 — Edit & Revise Publication Screen (Article #608)

Modify metadata, update author details, resolve admin remarks, and submit for re-review.

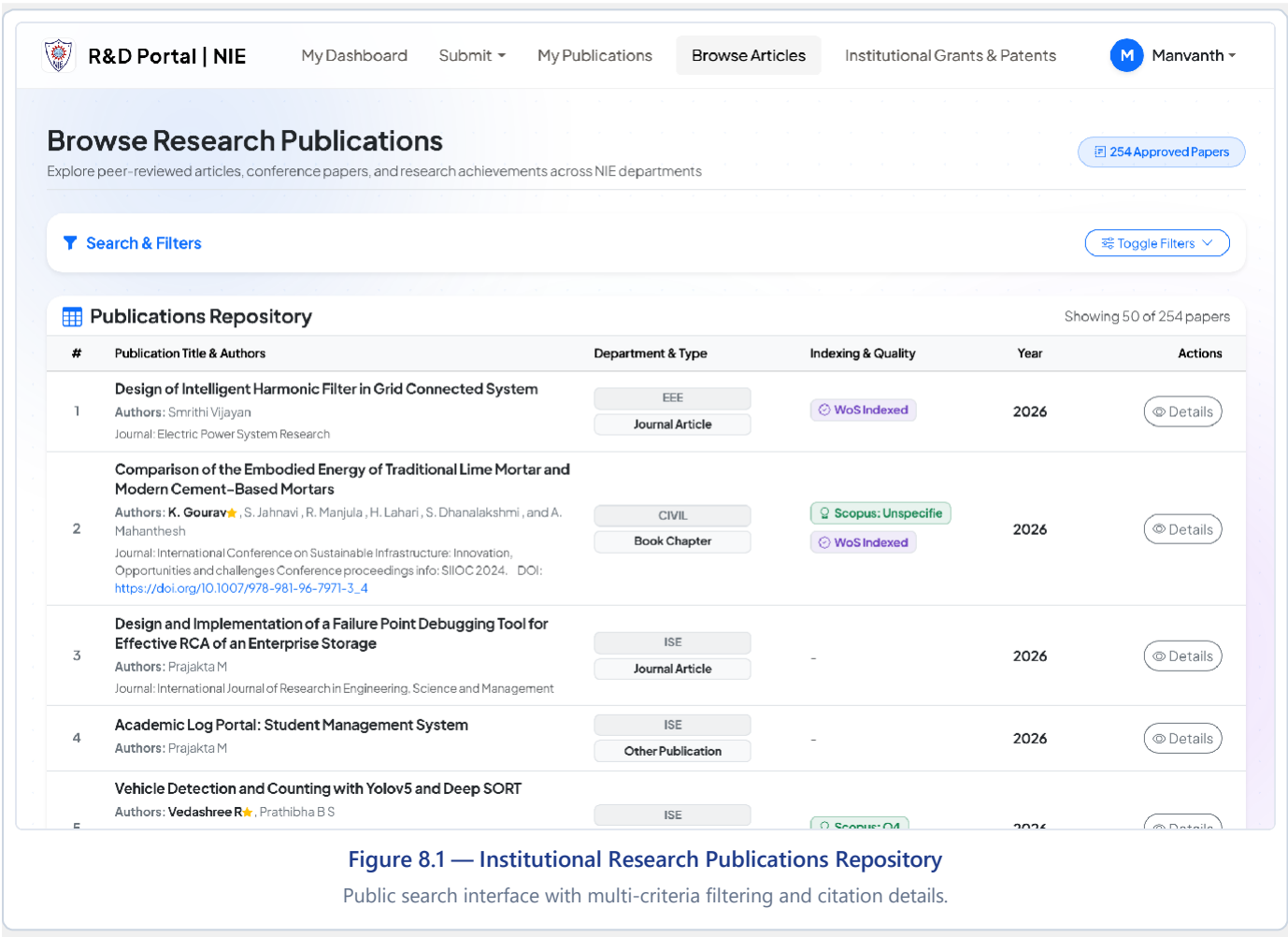
- 1 In the *My Publications* table, locate the rejected article and click **Resubmit** (orange button with reload icon).
- 2 The form opens with all previously entered metadata pre-populated.
- 3 Review the administrator's remarks and correct the specified fields (e.g., update quartile, DOI link, or author roster).
- 4 Click **Update & Resubmit**. The article status resets to **PENDING** , and an automated alert is sent to the admin queue.

8.0 Public Repository & Research Discovery

The portal includes public research discovery modules accessible to prospective students, accreditation auditors, and research collaborators.

8.1 Browsing Institutional Publications

Navigate to /browse from the main navigation menu to search institutional publications.



8.2 Multi-Parameter Search & Filter Engine

The repository includes a multi-parameter filtering engine:

- **Keyword Search:** Free-text search matching titles, abstracts, author names, and journal titles.
- **Department Filter:** Filter publications produced by specific academic departments.
- **Scopus Quartile Filter:** Isolate high-impact research by selecting Q1, Q2, Q3, or Q4.
- **Web of Science (WoS):** Restrict results to WoS-indexed articles.
- **Publication Year & Type:** Filter by calendar year and format (Journal vs. Conference).
- **Campus Location:** Filter between North Campus and South Campus.

8.3 Public Grants & Patents Explorer

Navigate to /public-records to access the institutional ledger of sponsored projects and intellectual property.

R&D Portal | NIE My Dashboard Submit ▾ My Publications Browse Articles Institutional Grants & Patents **M** Manvanth ▾

Public Records & Achievements

Browse verified research grants, sponsored projects, and official patent filings Verified NIE Repository

[Research Grants](#) [Patents](#) [Search](#)

Approved Research Grants Total: 19 Grants Logged

#	Project Title & Principal Investigator	Sponsoring Agency	Sanctioned Amount	Year	Details
1	Establishment of information and demonstration under Bio-fuel Sector PI: S.Shamsundar- CREST	Karnakata Bioenergy Development board, GOK	N/A Released: ₹ 285000.00	2011	Details
2	Biodegradable plastic mulch films from agriculture waste for sustainable Agriculture PI: Sangamesha, Chem	Vision Group science and technology, VGST, GOK	₹ 300000.00 Released: ₹ 300000.00	2021	Details
3	Numerical analysis of Heat and mass Transfer in various grain Drying Process for food processing applications PI: Sathish H.M- Mech	Science and Engineering Reasearch Board, Department of Science and Technology, (SERB-TARE) GOI	₹ 825000.00 Released: ₹ 275000.00	2021	Details
4	Enhancing the performance of solar collector using nanofluids PI: Mrinal, Mech (left the college)	Science and Engineering Reasearch Board, Department of Science and Technology, (SERB-TARE) GOI	₹ 825000.00 Released: ₹ 275000.00	2021	Details
	Development of Artificial Intelligence Empowered Multi				

Figure 8.2 — Institutional Grants & Patents Explorer

Search approved sponsored research projects and intellectual property filings.

9.0 Frequently Asked Questions (FAQ) & Troubleshooting

Q1: Can I use DOI Auto-Fill for conference proceedings as well as journals?

Yes. Any publication indexed with a registered DOI (including IEEE Xplore, ACM Digital Library, Springer, and Elsevier conference proceedings) can be automatically fetched and populated using the DOI Auto-Fill feature.

Q2: Why is the DOI field showing an error when I set the stage to "Published"?

By institutional policy, whenever an article's stage is marked as **Published**, providing a valid **DOI** and a **Published URL Link** is mandatory to ensure public verifiability.

Q3: What should I do if an article with my title or DOI already exists?

The system prevents duplicate submissions. If a co-author from another department has already submitted the article, contact the R&D Cell to link your scholar profile to the existing record rather than creating a duplicate entry.

Q4: Can I edit an article after it has been approved?

Yes. However, editing an approved publication will trigger a confirmation dialog: *"Editing this approved publication will reset its status to Pending. Proceed?"* Once edited, the record returns to the R&D Cell review queue for re-verification.

Q5: How do I identify the correct Scopus Quartile (Q1–Q4) for my journal?

Visit the official [SCImago Journal & Country Rank \(SJR\)](#) or Scopus Sources portal. Search for your journal title or ISSN and review the subject category quartile for the year in which your paper was accepted.

Q6: What if my department or research area is not in the dropdown?

Department and research area options are maintained centrally by the R&D Cell Administrator. Contact the admin office to request additions to the master configuration tables.

10.0 Institutional Support & R&D Cell Contact

For administrative assistance, technical support, or inquiries regarding research publications and grant verifications, contact the R&D Cell:

Office of the Dean (Research & Development)

Institution: The National Institute of Engineering (NIE), Mysuru
Office Location: R&D Cell, Administrative Block, Manandavadi Road, Mysuru – 570008, Karnataka, India
Portal URL: <https://research.nie.ac.in>

— End of Document —

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