

Database Project

A publication and project management system

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The objective of this project is to make a publication and project management system for IITP faculty. This will allow easy tracking and management of all publications in the institute.

Features:

Login system

The first page is a login page so that only authorised people can access the system.

IITP Publication Management System

Username:

Password:

Journal Publication Listing

The next page is a listing of all the journal publications.

The screenshot shows the 'Dashboard' page of the IITP Publication Management System. The page has a navigation bar with links for Journals, Conferences, Projects, Faculty, and Collaboration. Below the navigation bar, there are search filters for Title, Faculty, Journal, Year, and Sort. The main content area displays a table of 28 records, each with an ID, Title, Journal, Authors, Volume and Page, and Date. The table is scrollable, and the first few rows are visible.

ID	Title	Journal	Authors	Volume and Page	Date
Edit Delete 2121	Divide-and-Conquer Based Non-dominated Sorting with Reduced Comparisons	Elsevier Swarm and Evolutionary Computation	Sumit Mishra, Sriparna Saha, Samrat Mondal and Carlos A. Coello Coello		2019-09-01
Edit Delete 7148	Multi-Objective Optimal Scheduling Framework for HVAC Devices in Energy Efficient Buildings	IEEE Systems Journal	Nilotpal Chakraborty, Arijit Mondal and Samrat Mondal		2019-08-07
Edit Delete 35512	test2	Elsevier Swarm and Evolutionary Computation	samrat		2019-08-01
Edit Delete 38915	Divide	ACM Transactions on Design Automation of Electronic Systems	arijit mondal, samrat mondal, nilopal chakraborty		2019-08-01
Edit Delete 2126	On overcoming the identified limitations of a usable PIN entry method	IEEE Access Journal	Nilesh Chakraborty, Jianqiang Li, Samrat Mondal and Fei Chen, Yi Pan		2019-08-01
Edit Delete 6458	Towards Identifying and Preventing Behavioral Side Channel Attack On Recording Attack Resilient Unaided Authentication Services	Elsevier Computers & Security	Nilesh Chakraborty, Vijay S. Anand and Samrat Mondal		2019-03-01
Edit Delete 8187	Dispersion Ratio Based Decision Tree Model for Classification	Elsevier Expert Systems with Applications	Smita Roy, Samrat Mondal, Asif Ekbal and Maunendra Sankar Desarkar	Vol: 116, pp.1-9	2019-02-01
Edit Delete 7816	A Divide-and-Conquer based Efficient Non-dominated Sorting Approach	Elsevier Swarm and Evolutionary Computation	Sumit Mishra, Sriparna Saha, Samrat Mondal and Carlos A. Coello Coello	Vol: 44, pp: 748-773	2019-02-01
...	Towards Incorporating Honeypots in n-				

This page also allows you to filter based on various criteria. An example is shown.

Dashboard

Welcome arya! [Logout](#)

Journals Conferences Projects Faculty Collaboration

Title: Faculty: Journal: Year: Sort: ☐ Desc

2 records [Add Journal Publication](#) [View Journals](#)

	ID	Title	Journal	Authors	Volume and Page	Date
Edit Delete	2121	Divide-and-Conquer Based Non-dominated Sorting with Reduced Comparisons	Elsevier Swarm and Evolutionary Computation	Sumit Mishra, Sriparna Saha, Samrat Mondal and Carlos A. Coello Coello		2019-09-01
Edit Delete	7816	A Divide-and-Conquer based Efficient Non-dominated Sorting Approach	Elsevier Swarm and Evolutionary Computation	Sumit Mishra, Sriparna Saha, Samrat Mondal and Carlos A. Coello Coello	Vol: 44,pp: 748-773	2019-02-01

Add/Edit/Delete Journal Publications

Dashboard

Journals Conferences Projects Faculty Collaboration

Add Journal Publication

Publication ID will be generated automatically.

Title:

Journal: [Add Journal](#)

Authors: Will be used for display purposes

Faculty authors:

 Ctrl-click to select multiple [Add Faculty](#)

Volume/Page:

Date: Enter in yyyy-mm-dd format

Other details:

Dashboard

Journals Conferences Projects Faculty Collaboration

Edit Journal Publication

ID:

Title:

Journal: [Add Journal](#)

Authors: Will be used for display purposes

Faculty authors:

 Ctrl-click to select multiple [Add Faculty](#)

Volume/Page:

Date: Enter in yyyy-mm-dd format

Other details:

Dashboard

Journals Conferences Projects Faculty Collaboration

Delete Journal Publication

Warning: Confirm?

Delete

Journal Listing

This shows a list of all journals currently in the system.

Dashboard

Welcome arya! [Logout](#)

Journals Conferences Projects Faculty Collaboration

20 records [Add Journal](#)

	ID	Name
Edit Delete	6536	ACM Transactions on Design Automation of Electronic Systems
Edit Delete	2353	Computers and Security
Edit Delete	0426	Elsevier Applied Soft Computing
Edit Delete	3343	Elsevier Computers & Security
Edit Delete	3478	Elsevier Expert Systems with Applications
Edit Delete	7833	Elsevier Swarm and Evolutionary Computation
Edit Delete	9127	Fundamenta Informaticae
Edit Delete	3687	IEEE Transaction on Computer Aided Design of Integrated Circuits and Systems
Edit Delete	2445	IEEE Access Journal
Edit Delete	5716	IEEE Systems Journal
Edit Delete	1809	IEEE Transactions on Industrial Informatics
Edit Delete	3892	IEEE Transactions on Semiconductor Manufacturing
Edit Delete	6361	IET Circuit, Device and Systems
Edit Delete	1654	IET Information Security
Edit Delete	6167	International Journal of Trust Management in Computing and Communications
Edit Delete	3204	Journal of Information Assurance and Security (Special issue on Access Control and Protocols)

Add/Edit/Delete Journals

Dashboard

Journals Conferences Projects Faculty Collaboration

Add Journal

Before adding a journal please check whether it already exists or not.

Journal ID will be generated automatically.

Name:

Other details:

Add

Dashboard

[Journals](#) [Conferences](#) [Projects](#) [Faculty](#) [Collaboration](#)

Edit Journal

ID:

Name:

Other details:

Dashboard

[Journals](#) [Conferences](#) [Projects](#) [Faculty](#) [Collaboration](#)

Delete Journal

Note: Before deleting a journal all corresponding journal publications must be deleted. Otherwise the operation will fail.

Conference Publications Listing

Dashboard

Welcome arya! [Logout](#)

[Journals](#) [Conferences](#) [Projects](#) [Faculty](#) [Collaboration](#)

Title: Faculty: Conference: Year: Sort:

46 records [Add Conference Publication](#) [View Conferences](#)

	ID	Title	Conference	Authors	Volume and Page	Date
Edit Delete	8356	Coordinated Scheduling of Residential Appliances and Heterogeneous Energy Sources in a Smart Microgrid	17th ACM Conference on Embedded Networked Sensor Systems New York, USA	Pranay Kumar Saha, Nilotpal Chakraborty, Arijit Mondal and Samrat Mondal		2019-11-01
Edit Delete	4668	A Many Objective Optimization Based Entity Matching Framework for Bibliographic Database	IEEE TENCON Kochi, Kerala	Sumit Mishra, Sriparna Saha, and Samrat Mondal		2019-10-01
Edit Delete	0282	Intelligent Scheduling of Smart Appliances in Energy Efficient Buildings: A Practical Approach	The 32nd International Conference on VLSI Design Delhi, India	Nilotpal Chakraborty, Arijit Mondal and Samrat Mondal		2019-01-01
Edit Delete	3855	SGP: A Safe Graphical Password System Resisting Shoulder-Surfing Attack on Smartphones	14th International Conference on Information Systems Security Bengaluru, India	Suryakanta Panda and Samrat Mondal		2018-12-01
Edit Delete	8796	drPass: A Dynamic and Reusable Password Generator Protocol	14th International Conference on Information Systems Security Bengaluru, India	Suryakanta Panda and Samrat Mondal		2018-12-01
Edit Delete	2239	Obtaining the upper bound on the number of non-dominated fronts in a Population	International Conference on Advances in Computing, Communications and Informatics Bangalore, India	Sumit Mishra, Sriparna Saha and Samrat Mondal		2018-09-01
Edit Delete	7221	Towards Optimal Scheduling of Thermal Comfortability and Smoothing of Load Profile in Energy Efficient Buildings	International Conference on Embedded Software (EMSOFT) Torino, Italy	Nilotpal Chakraborty, Arijit Mondal and Samrat Mondal		2018-09-01
			International Conference on Advances in			

Similar to journals, there are options for adding, editing, deleting conference publications.

Projects Listing

Dashboard

Welcome arya! [Logout](#)

[Journals](#) [Conferences](#) **[Projects](#)** [Faculty](#) [Collaboration](#)

3 records [Add Project](#) [View Sponsors](#)

	ID	Title	Principal Investigator	Co-Principal Investigator	Sponsors	Cost (INR)	Duration (months)	Status
Edit Delete	3277	Design and FPGA prototyping of multicarrier multiple access schemes for variable rate multimedia satellite communication		Arijit Mondal	DEIT, Delhi			On going
Edit Delete	5341	Development of an efficient authentication scheme to be used in public domain.	Samrat Mondal		Science & Engineering Research Board (SERB)	1604000	36	Completed
Edit Delete	9376	Development of Planning and Designing Tool for Smartly Adopting Electric Vehicles in Indian Cities.	Samrat Mondal	Arijit Mondal, Jimson Mathew	IMPRINT-2 DST/SERB	5742000	36	On going

Add/Edit/Delete Projects

Dashboard

[Journals](#) [Conferences](#) **[Projects](#)** [Faculty](#) [Collaboration](#)

Add Project

Project ID will be generated automatically.

Title:

Dashboard

[Journals](#) [Conferences](#) **[Projects](#)** [Faculty](#) [Collaboration](#)

Edit Project

ID:

Title:

Sponsors:

DEIT, Delhi

IMPRINT-2 DST/SERB

Science & Engineering Resear

Ctrl-click to select multiple [Add Sponsor](#)

Principal Investigator:

Samrat Mondal

[Add Faculty](#)

Co-Principal Investigator:

Abyayananda Maiti

Arijit Mondal

Asif Ekbal

Jimson Mathew

Ctrl-click to select multiple [Add Faculty](#)

Cost: in INR

Duration: in months

Other details:

Status:

On going

Dashboard

Journals Conferences **Projects** Faculty Collaboration

Delete Project

Warning: Confirm?

Delete

Faculty Listing

There is a page that lists all the faculty in the system. You can also modify the list from here.

Dashboard

Journals Conferences Projects **Faculty** Collaboration

14 records [Add Faculty](#)

	ID	Name	Email
Edit Delete	0323	Joydeep Chandra	joydeep@iitp.ac.in
Edit Delete	1271	Pushpak Bhattacharyya	pb@iitp.ac.in
Edit Delete	1294	Sriparna Saha	sriparna@iitp.ac.in
Edit Delete	1658	Arijit Mondal	arijit@iitp.ac.in
Edit Delete	2094	Raju Halder	halder@iitp.ac.in
Edit Delete	2724	Mayank Agarwal	mayank265@iitp.ac.in
Edit Delete	3272	Asif Ekbal	asif@iitp.ac.in
Edit Delete	3511	Samrat Mondal	samrat@iitp.ac.in
Edit Delete	3577	Somanath Tripathy	som@iitp.ac.in
Edit Delete	5325	Suman Kumar Maji	smaji@iitp.ac.in
Edit Delete	6282	Sourav Kumar Dandapat	sourav@iitp.ac.in
Edit Delete	7715	Rajiv Misra	rajivm@iitp.ac.in
Edit Delete	8037	Abyayananda Maiti	abyaym@iitp.ac.in
Edit Delete	8113	Jimson Mathew	jimson@iitp.ac.in

Add/Edit/Delete Faculty

Dashboard

Journals Conferences Projects **Faculty** Collaboration

Add Faculty

Before adding an entry please check whether a duplicate entry already exists or not.

Faculty ID will be generated automatically.

Name:

Email:

Add

Dashboard

Journals Conferences Projects **Faculty** Collaboration

Edit Faculty

ID:

Name:

Email:

Submit

Dashboard

Journals Conferences Projects **Faculty** Collaboration

Delete Faculty

Note: Before deleting a faculty entry all corresponding journal and conference publications and projects must be deleted. Otherwise the operation will fail.

Delete

Collaborations

Finally, there is a page to see collaborations between faculties.

Dashboard

Journals Conferences Projects Faculty **Collaboration**

Select faculty:

Journal Collaborations

4 records

Collaborator	Count	Journals
Joydeep Chandra	1	2534
Sriparna Saha	8	6613 , 0796 , 2121 , 3228 , 1086 , 7816 , 2025 , 3114
Arijit Mondal	4	7148 , 0528 , 38915 , 0645
Asif Ekbal	1	8187

Conference Collaborations

4 records

Collaborator	Count	Conferences
Joydeep Chandra	1	3584
Sriparna Saha	11	0153 , 1414 , 2156 , 2824 , 8451 , 2088 , 2239 , 9002 , 0493 , 2149 , 4668
Arijit Mondal	5	8356 , 5987 , 0282 , 7221 , 2257
Asif Ekbal	1	9626

Clicking a link will take you to the corresponding publication.

Dashboard

Welcome arya! [Logout](#)

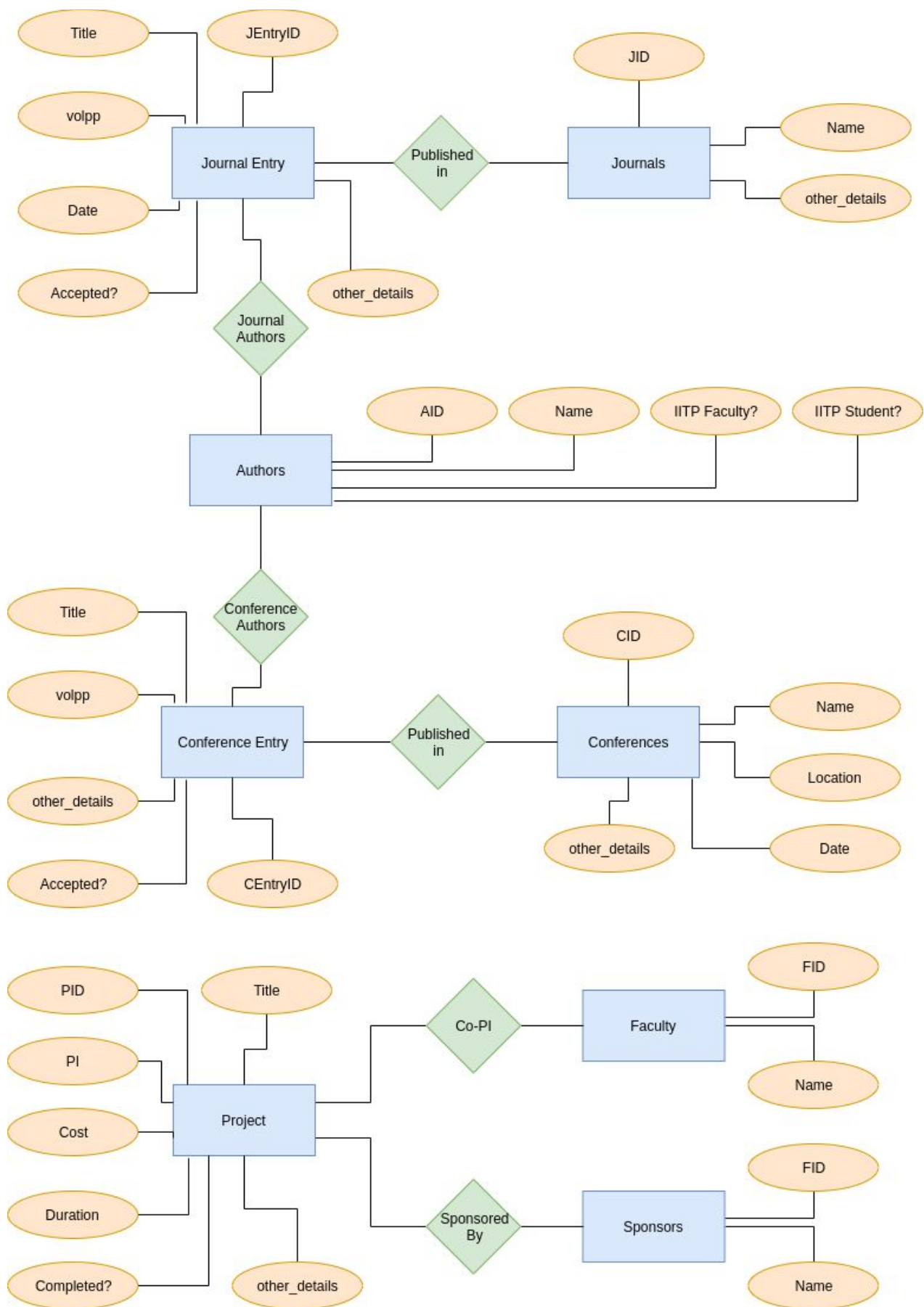
Journals Conferences Projects Faculty Collaboration

Title: Faculty: Journal: Year: Sort: ☐ Desc

1 records [Add Journal Publication](#) [View Journals](#)

ID	Title	Journal	Authors	Volume and Page	Date
Edit Delete	3228 GAEMTBD: Genetic Algorithm based Entity Matching Techniques for Bibliographic Databases	Springer Applied Intelligence	Sumit Mishra, Sriparna Saha and Samrat Mondal	Vol: 47, No. 1, pp. 197-230	2017-01-01

ER Diagram attached in next page.



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