

The background of the cover is a grid of squares in various shades of beige, tan, and light brown, creating a textured, mosaic-like effect.

Internship Description
Database Developer Intern
for Library

Internship Description

The internship will be part of the Library Team, which is responsible for providing Library and information services to the learners, academic and research staff, focusing on urban development sector in South Asia. The Library supports the academic and research pursuits, provide learning sources, and reference services to the faculty through online systems and services.

This internship is for a period of 6 months and might be extended based on performance and future requirements.

Activities and Tasks

The Intern will be expected to:

1. Design and deploy databases for tracking citations of IIHS academic & research publications through automated system;
2. Be familiar with data publishing models and frameworks for designing databases using programming, coding and database management systems;
3. Coordinate and liaise with the Library and Urban Informatics Labs to manage the IIHS publications citations tracking, benchmarking and reporting of results periodically;
4. Support Library services and innovate in developing online services for referencing, digital repository, integrate resource discovery interfaces and applications using Library Management System/ Reference databases;
5. Manage the internal document management system using the Alfresco software to accomplish the following tasks:
 - Develop content for the document management system; ensuring secured access, back up and software development
 - Organize the harvested open content and strengthening the online collections
 - Coordinate the program to harvest and mass download all the necessary online documents and organize the open contents (eBooks, electronic data and reports) publicly available in the Alfresco Document Management System
 - Download and aggregate the open contents, data of publicly available electronic resources from national/international/multilateral organizations for internal use and thematically categorize them by working groups or subject wise based on the requirements, using Library and standardized knowledge classificatory schemes/indexing systems.
6. Contribute in establishing an Institutional Repository to effectively disseminate the academic output and research data of IIHS, ensuring visibility to drive research impact by advancing the development, implementation and maintenance of Institutional Repository as a scholarly channel of communication with the following goals:
 - Developing and defining the specific guidelines for best research data practices to ensure that Institutional Repository system is integrated and maintained with existing Knowledge Gateway, web pages and other publishing systems;
 - Liaising with all the faculty members and project coordinators to recruit the content, version control and tracking, formats, secured storage and access and on receipt, bibliographic and cataloguing requirements to be processed;
 - Ensuring the compliance of metadata standards (Resource Description & Access, Digital Object Identifiers) for the institutional repository and harvesting protocols for records creation, maintenance and reuse;
 - Enabling discovery of digital assets and associated metadata in various platforms -

discovery tools, catalogues, archives, social media and repositories, advising on the use of metadata schemas and in domain- specific ontologies.

Structure and Reporting

This intern will report to the Senior Associate Librarian. Additionally, the internship will involve collaborating effectively with a diverse group of individuals in Urban Informatics Lab, Information Technology, internal and external faculty and support.

Person Specification

The candidate must possess an advanced master's degree in Information Technology or Bachelor's degree in Computer Science or Engineering or related disciplines with 0-2 years of relevant work experience. Prior experience in programming, coding and database administration is desirable.

- Should have knowledge of C, C++, Java and Servlets;
- Should have strong background on data structures;
- Knowledge of HTML, CSS, PHP, JavaScript languages;
- Strong skills for database creation and management using MYSQL.

Location

This position is based in Bengaluru.

Contact

Please apply for this internship in the below mentioned online form:

<http://iihs.co.in/about/careers/iihs-internship-programme/#apply-here>

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INDIAN INSTITUTE FOR
HUMAN SETTLEMENTS

IIHS Bangalore City Campus

197/36, 2nd Main Road, Sadashivanagar, Bangalore 560 080. India.
T: +91 80 6760 6666 | F: +91 80 2361 6814

IIHS Chennai

Floor 7A, Chaitanya Exotica, 24/51 Venkatnarayana Road, T Nagar,
Chennai 600 017. India. T +91 44 6630 5500/6555 6590

IIHS Delhi

803 Surya Kiran, 19 Kasturba Gandhi Marg, New Delhi 110 001. India.
T: +91 11 4360 2798 | F: +91 11 2332 0477

IIHS Mumbai

Flat No.2, Purnima Building, Patel Compound, 20-C, Napean Sea Road,
Mumbai 400 006. India.
T: +91 22 6525 3874

www.iihs.co.in