

# Database Project

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## 1 Functionality

The project is suppose to manage the IP assets, licensing and royalties earned by the IP assets of International Institute of Information Technology Bangalore.

## 2 Design

This section contains the various classes and their OPF constraints. The Universe of Discourse is all the IP assets owned by IIITB and the people associated with IIITB.

### 2.1 Terms used

1. **Creation:** An entity that has been filed for an IP asset.
2. **IP Committee:** A group of individuals who either accept or reject a creation as an IP asset. IP committee will draft an IP policy and licensing agreement for the IP asset. IP committee is also responsible for doing the quality check of the creation whether it is worthy of being an IP asset or not.
3. **Collaborator:** Refers to an Institutional third-party who is involved in a joint academic or research project with one or more faculty members at IIIT-B.
4. **Proposal:** A Document containing the details of the contribution made by the creator or collaborators, and a proposed IP policy which may or may not be accepted by the IP committee.
5. **IP asset:** Intangible property that is the result of creativity such as a patent, copyright etc.<sup>1</sup>
6. **Administrator:** A person appointed by IIITB to handle the royalty and liabilities on the IP asset. Administrator will input the royalties and liabilities for each IP asset. He can also make changes to the IP Committee.
7. **User:** It refers to a person that is availing the facilities of the portal, It can take various roles such as creator, owner, or a guest.
8. **Creator:** This term refers to an individual or a lab which is a part of IIITB. Creator files a creation to be recognized as an IP asset.
9. **Owners:** Individual or an organization that owns an IP asset fully or partly.
10. **Guest:** A person is allowed to view information(IP policy and licensing agreement) of the IP assets of IIITB.

### 2.2 OPF Constraints

The Following tables contain the OPF constraints for the different entity types.

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<sup>1</sup>oxford dictionary: <http://www.oxforddictionaries.com/definition/english/intellectual-property>

<b>Creation</b>
<b>Obligation</b> 1. To have Creator 2. To have Proposal 3. To have a type eg:Algoruthm,Protocols
<b>Permitted</b> 1. Derived from an existing IP asset abiding their EULA. 2. To have Collaborators
<b>Forbidden</b> 1. To replica of other IP asset.

<b>IP Asset</b>
<b>Obligation</b> 1. To have owners 2. To have IP Policy 3. To have a type E.g Algorithms.
<b>Permitted</b> 1. To have information regarding Users of IP asset 2. To have licencing agreement if registered 3. To have Royalties and Liabilities
<b>Forbidden</b> 1. Can't be used without abiding by licensing agreement

<b>IP Committee</b>
<b>Obligation</b> 1. To have at least 3 members of the faculty 2. To use an IP policy
<b>Permitted</b> 1. To approve alternate IP policy.
<b>Forbidden</b> 1. To invalidate any already approved Policy. 2. Make change to the IP asset or creation.

<b>User</b>
<b>Obligation</b> 1. To have login Credentials
<b>Permitted</b> 1. To Be a Creator, Owner or Guest
<b>Forbidden</b> 1. To make changes to exiting IP Assets committee.

<b>Administrator</b>
<b>Obligation</b> 1.To manage the IP assets
<b>Permitted</b> 1. To input royalty and liability for all IP assets. 2. To ake changes to IP committee.
<b>Forbidden</b> 1. To change the IP Policy and the licensing agreement