

**Annexure I (For Project Proposal for BEE)**

1. **Project Statement:**

URBAN CART is an e-commerce platform aimed at providing users with a seamless experience for purchasing urban lifestyle products, such as clothing, accessories, and home decor.

It is designed to elevate your shopping experience by offering a diverse range of products that cater to urban lifestyles.

With a focus on quality, affordability, and convenience, the platform connects you with top brands and unique items, ensuring you find exactly what you need.

1. **Approximate duration (in hours) to complete the project:**

Planning & Research: 5-10 hours

Backend Development (Node.js, Express.js): 20-25 hours

Database Design (MongoDB): 10-15 hours

Frontend Development (EJS, HTML, CSS, JavaScript): 15-20 hours

1. **Proposed Project In charge:** Ms. Sana Bharti
2. **Team Members along with roll no’s:**

* Joel Mathew - 2210990465
* Karan Garg- 2210990478
* Kartavya Tomar – 2210990484
* Kashish – 2210990495
* Kshitij Gulati – 2210990525

1. **Check Points:**
   1. **Does the project statement result in a product? If yes, what type of product?**

Yes, the project statement results in a product. The type of product is a **backend application** for Online E commerce website.

This product is a server-side application designed to handle and manage various operations related to travel bookings. It includes functionalities like booking hotels, filter products according to rating, search functionality.

* 1. **If it is a product, can a prototype be made, if not, what is it, which we can produce that our teachers can evaluate.**

Yes, a prototype of the E commerce website can be made.

* 1. **Does the project statement use multiple concepts to achieve the outcome? (yes/no)**

Yes

* 1. **Does it have enough for our team members to do sufficient amount of work? (yes / no)**

Yes

1. **Technical Nodes**

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| **Subject / Area / Topic** | **Technical Nodes** |
| 1. Backend Framework | Node.js with Express |
| 1. Database | MongoDB |
| 1. API Design | RESTful APIs |
| 1. Data Models | Collections {‘id’,’title’,’rating’,’price’} etc. |
| 1. Development Tools | VS Code |
| 1. Documentation | Postman Collections |

1. **Prerequisites (in terms of knowledge, concepts and material) for doing the Project:**
2. Frontend: JavaScript, ReactJS, Tailwind CSS
3. Backend: NodeJS, Express JS
4. Database Management: NoSQL Databases MongoDB
5. API Development: RESTful API Design
6. Version Control: The basic Knowledge of version control using git and platforms like GitHub
7. Development Tools: Integrated Development Environment (IDE) like VS Code
8. **Material that may be required to make the project and where it might be available**

**Documentations:**

1. Node.js documentation (<https://nodejs.org/en>)
2. Npm Documentation (<https://www.npmjs.com/>)
3. MDN web docs (<https://developer.mozilla.org/en-US/>)
4. Tailwind CSS (<https://tailwindcss.com/>)
5. **What could the total cost of the project?**
6. **Resources available to us:**
7. YouTube Tutorials
8. Javatpoint, w3Schools, Tailwind CSS
9. Postman developer platform for server
10. Documentation (Node.js, NPM, MDN web docs, Express.js)