**MINOR** **PROJECT** **[Form** **–** **1]** **(YEAR** **2020-2021)**

**NAME** **OF** **LAB** **COORDINATOR:**

Ms. Deepa Modi

**TITLE** **OF** **PROJECT:**

Mapping of Trekking Routes in Himalayas

**PROJECT** **TRACK:** **(**Mention here**)**

R&D(Innovation)

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| 1. R&D (Innovation) | 2. CONSULTANCY (Fetched from Industry) | 3. STARTUP  (Self-Business Initiative) | 4. PROJECT POOL (From IBM / INFOSYS) | 5. HARDWARE / EMBEDDED |

**BRIEF** **INTRODUCTION** **OF** **PROJECT:**

Our project” Mapping of Trekking Routes in Himalayas” aims to give the trekking details to the users. It gives the information of real time weather, using web scraping technology which gives the weather details. Also, by using Google Maps API, we will give the trekking route details, i.e, users can search their place according to their interest. Our project also aims to provide the important information of basic amenities of life like whether hospital facilities are there or not , what is the facility of hotel bookings and eateries ,and at last providing information about different trekking activities one can experience in their journey. As all these details helps people to enjoy their trekking to the fullest.

**TOOLS** **/** **TECHNOLOGIES** **TO** **BE** **USED:**

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| NAME OF TOOL / TECHNOLOGY | VERSION | SOFTWARE / HARDWARE | PURPOSE OF USE |
| Atom | 1.50.0 | Software | Front End use(HTML, CSS, Java Script) |
| SQLyog | 13.1.6 | Software | Back end use |
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**PROPOSED** **PROJECT** **MODULES:**

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| NAME OF MODULE | PROPOSED FUNCTIONALITY IN PROJECT |
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**TEAM** **MEMBER** **DETAILS:**

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| STUDENT NAME | CLASS & GROUP | MOBILE No. | EXPERTISE AREA | ROLE IN PROJECT |
| Shrey Bhargava | CS-C & G2 | 9461682268 | Web Development(Front End) | Team Leader(Works on Front End Programming) |
| Shashank Jindal | CS-C & G2 | 7014488964 | Front End | Works on the the front end |
| Shivani Jethliya | CS-C & G2 | 8764358061 | Data Analytics | Gives ideas on the project |
| Shubham Gupta | CS-C & G2 | 8005536904 | Back end | Works on the database |

**NOTE:** 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator. 2. Students must keep soft copy of this form as reference for project work and attach it’s printout to final report.

**ROLE** **SPECIFICATION** **OF** **TEAM** **MEMBERS** **[Form** **–** **2]**

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| **MEMBER** **1** **Shrey Bhargava** | | **HANDLING** **MODULE** Front end Programming | |
| **NAME** **OF** **ACTIVITY** | **SOFT** **DEADLINE** **DATE** | **HARD** **DEADLINE** **DATE** | **DETAILS** **OF** **ACTIVITY** **(STORY)** |
| SRS Chapter 1 |  | 7/8/20 | Completed |
| Forms(Login & Register) |  | 7/8/20 | Completed |
| DifferentWeb Pages of Project | 9/20 |  | On-Going |
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| **MEMBER** **2** **Shashank Jindal** | | **HANDLING** **MODULE** Front End Programming | |
| **NAME** **OF** **ACTIVITY** | **SOFT** **DEADLINE** **DATE** | **HARD** **DEADLINE** **DATE** | **DETAILS** **OF** **ACTIVITY** **(STORY)** |
| SRS Chapter 1 |  | 7/8/20 | Completed |
| Forms(Login & Register) |  | 7/8/20 | Completed |
| Different Web Pages of Project | 9/20 |  | On-Going |
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| **MEMBER** **3** **Shivani Jethliya** | | **HANDLING** **MODULE** Back End Programming | |
| **NAME** **OF** **ACTIVITY** | **SOFT** **DEADLINE** **DATE** | **HARD** **DEADLINE** **DATE** | **DETAILS** **OF** **ACTIVITY** **(STORY)** |
| SRS Chapter 1 |  | 7/8/20 | Completed |
| Database (Login & Register Forms) |  | 7/8/20 | Completed |
| Creation of Tables | 9/20 |  | On-Going |
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| **MEMBER** **4** **Shubham Gupta** | | **HANDLING** **MODULE** Back End Programming | |
| **NAME** **OF** **ACTIVITY** | **SOFT** **DEADLINE** **DATE** | **HARD** **DEADLINE** **DATE** | **DETAILS** **OF** **ACTIVITY** **(STORY)** |
| SRS Chapter 1 |  | 7/8/20 | Completed |
| Database (Login & Register Forms) |  | 7/8/20 | Completed |
| Database Connectivity | 9/20 |  | Completed |
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**MENTOR’S** **NAME** **&** **SIGNATURE** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**NOTE:** 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator. 2. Every member student must keep soft copy of this form as reference for his / her part in project work.

3. Students must provide the detailed list of planned activities along with their completion deadline dates.

4. The lab coordinator will check the weekly progress of student against the information provided in this form.

**PROJECT** **WEEKLY** **STATUS** **MATRIX** **(FOR** **LAB** **COORDINATORS)** **[Form-3A]**

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| **NAME** **OF** **STUDENT** **–** **1** | |  | | | |
| **NAME** **OF** **PROJECT** | |  | | | |
| **OTHER** **TEAM** **MEMBERS** | | **2.** | **3.** | **4.** | |
| **WEEK** **(TO-FROM)** | **WORKING** **ON** **MODULE** | **PROGRESS** **ACHIEVED** | **COMMENTS** | | **MARKS** **(X** **/** **10)** |
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| **TOTAL** **WEEKS** | **MODULE** **COMPLETED** **(YES** **/** **NO)** | **OVERALL** **PROGRESS** **(POOR** **/** **AVG** **/** **GOOD)** | **OVERALL** **COMMENT** **(POOR** **/** **AVG** **/** **GOOD)** | **PERCENTAGE** **MARKS** **ESTIMATE** | |
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| **LAB** **COORDINATOR’s** **REMARKS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |

**NOTE:**1. This form is to be maintained in a file by lab coordinators for student – 1 of the team to track his / her progress. 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it’s DOCUMENTATION by student

against the work done by student and note their own comments about student’s performance. 3. The lab coordinator must evaluate student’s work for every lab from a score of 10 points.

4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.

5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.

6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

**PROJECT** **WEEKLY** **STATUS** **MATRIX** **(FOR** **LAB** **COORDINATORS)** **[Form-3B]**

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| **NAME** **OF** **STUDENT** **–** **2** | |  | | | |
| **NAME** **OF** **PROJECT** | |  | | | |
| **OTHER** **TEAM** **MEMBERS** | | **1.** | **3.** | **4.** | |
| **WEEK** **(TO-FROM)** | **WORKING** **ON** **MODULE** | **PROGRESS** **ACHIEVED** | **COMMENTS** | | **MARKS** **(X** **/** **10)** |
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| **TOTAL** **WEEKS** | **MODULE** **COMPLETED** **(YES** **/** **NO)** | **OVERALL** **PROGRESS** **(POOR** **/** **AVG** **/** **GOOD)** | **OVERALL** **COMMENT** **(POOR** **/** **AVG** **/** **GOOD)** | **PERCENTAGE** **MARKS** **ESTIMATE** | |
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| **LAB** **COORDINATOR’s** **REMARKS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |

**NOTE:**1. This form is to be maintained in a file by lab coordinators for student – 2 of the team to track his / her progress. 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it’s DOCUMENTATION by student

against the work done by student and note their own comments about student’s performance. 3. The lab coordinator must evaluate student’s work for every lab from a score of 10 points.

4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.

5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.

6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

**PROJECT** **WEEKLY** **STATUS** **MATRIX** **(FOR** **LAB** **COORDINATORS)** **[Form-3C]**

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| **NAME** **OF** **STUDENT** **–** **3** | |  | | | |
| **NAME** **OF** **PROJECT** | |  | | | |
| **OTHER** **TEAM** **MEMBERS** | | **1.** | **2.** | **4.** | |
| **WEEK** **(TO-FROM)** | **WORKING** **ON** **MODULE** | **PROGRESS** **ACHIEVED** | **COMMENTS** | | **MARKS** **(X** **/** **10)** |
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| **TOTAL** **WEEKS** | **MODULE** **COMPLETED** **(YES** **/** **NO)** | **OVERALL** **PROGRESS** **(POOR** **/** **AVG** **/** **GOOD)** | **OVERALL** **COMMENT** **(POOR** **/** **AVG** **/** **GOOD)** | **PERCENTAGE** **MARKS** **ESTIMATE** | |
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| **LAB** **COORDINATOR’s** **REMARKS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |

**NOTE:**1. This form is to be maintained in a file by lab coordinators for student – 3 of the team to track his / her progress. 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it’s DOCUMENTATION by student

against the work done by student and note their own comments about student’s performance. 3. The lab coordinator must evaluate student’s work for every lab from a score of 10 points.

4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.

5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.

6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

**PROJECT** **WEEKLY** **STATUS** **MATRIX** **(FOR** **LAB** **COORDINATORS)** **[Form-3D]**

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| **NAME** **OF** **STUDENT** **–** **4** | |  | | | |
| **NAME** **OF** **PROJECT** | |  | | | |
| **OTHER** **TEAM** **MEMBERS** | | **1.** | **2.** | **3.** | |
| **WEEK** **(TO-FROM)** | **WORKING** **ON** **MODULE** | **PROGRESS** **ACHIEVED** | **COMMENTS** | | **MARKS** **(X** **/** **10)** |
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| **TOTAL** **WEEKS** | **MODULE** **COMPLETED** **(YES** **/** **NO)** | **OVERALL** **PROGRESS** **(POOR** **/** **AVG** **/** **GOOD)** | **OVERALL** **COMMENT** **(POOR** **/** **AVG** **/** **GOOD)** | **PERCENTAGE** **MARKS** **ESTIMATE** | |
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| **LAB** **COORDINATOR’s** **REMARKS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |

**NOTE:**1. This form is to be maintained in a file by lab coordinators for student – 4 of the team to track his / her progress. 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it’s DOCUMENTATION by student

against the work done by student and note their own comments about student’s performance. 3. The lab coordinator must evaluate student’s work for every lab from a score of 10 points.

4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.

5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.

6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

**MAJOR** **/** **MINOR** **PROJECT** **TRACK** **BIFURCATION** **GUIDELINES**

The projects to be undertaken in MINOR and MAJOR project schemes are expected to belong to one or more tracks suggested ahead. These project tracks have been structured as follows:

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| --- | --- | --- |
| **TRACK** | **TRACK** **DETAILS** | **SAMPLE** **PROJECT** **TYPES** |
| **RESEARCH** **&** **DEVELOPMENT** **PROJECTS** (Innovation) | 1. Projects involving proposal of any INNOVATIVE ELEMENT (theorem, formula, algorithm, procedure, design etc.) will be considered under this track.  2. A detailed and well published work, i.e. research paper in a journal / conference, (preferably in SKIT research journal or NCETCE conference) will be expected at the end of such 7th semester. | 1. Cloud based applications involving a resource managing / scheduling algorithm.  2. Big data applications for reporting or prediction of results  3. Machine learning application for summarizing / scanning data values. |
| **CONSULTANCY** **PROJECTS** (Fetched from Industry by FACULTY or STUDENTS) | 1. Projects achieved from industrial / commercial organizations to be developed as a solution of their problem / requirement will be considered as consultancy projects.  2. Only project proposals accompanied by well documented consultancy agreement by such industrial / commercial organizations carrying their authorized signatures and seal will be considered under this track.  3. Any kind of financial payment / remuneration / honorarium drawn from the client organization by the team members must be placed in knowledge of concerned project mentor, lab coordinator and HOD. | 1. Contract for developing Android app for a business organization  2. Contract for developing a web based ERP solution for an organization  3. Contract for developing an automation unit (hardware & software) for a manufacturing plant.  4. Contract for developing a scheduling software for a mechanical / electrical setup. |
| **STARTUP** **PROJECTS** (Self-Business Initiative) | 1. Projects involving solutions (software / hardware / web application / mobile app etc.) for a proposed business startup will be considered as startup projects.  2. Only project proposals accompanied by well documented business plan certified by an expert (academic / industrial / commercial person or organization) will be considered under this track.  3. Any kind of financial information required / planned for setup must be placed in knowledge of concerned project mentor, lab coordinator and HOD. | 1. Developing an Android app for a chain of dealers joining a common business domain (Groffers, Flipkart)  2. Developing a cloud based file management system (Evernote)  3. Developing a search & recommendation application for hotels and restaurants (Zomato) |
| **PROJECT** **POOL** (Listed by IBM / INFOSYS) | 1. Projects available in project pool prescribed by Infosys & IBM will be considered as industry projects. | 1. Library Management System  2. Online Resume Builder  3. Prison Management System |
| **HARDWARE** **(**EMBEDDED PROJECTS) | 1. Projects involving any hardware component (electrical or electronic circuit / mechanical apparatus etc.) will be considered as hardware based project.  2. Any requirement (fabrication / assembly etc.) for hardware projects should be placed in knowledge of concerned project mentor, lab coordinator and HOD for provision of adequate support and guidance. | 1. Android based control or automation unit for home appliances  2. RFID based token collection / attendance management system |