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| **Working Title of the Project:** | | Apis Insight for Phenotype Classification and Hive Health Forecasting using IoT and Deep Learning | | |
| **Project Site / Location** | | On-Campus | | |
| **Name and address of the company / organisation**  **(Applicable for projects with industry or industry support)** | | SRM IST, Kattankulathur, Chengalpattu District-603203 | | |
| **Supervision Team** | | | | |
|  | **Supervisor** | | **Co-Supervisor** | **External Supervisor**  **(If applicable)** |
| **Name** | Dr. A. Arulmurugan | |  |  |
| **Designation** | Assistant Professor | |  |  |
| **Department** | Dept. of Computing Technologies | |  |  |
| **Campus** | Kattankulathur | |  |  |
| **Telephone** | 8940830755 | |  |  |
| **E-mail** | arulmural@srmist.edu.in | |  |  |

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| **Name of student** | **Register Number** | **Department** | **Mobile Number** | **Email ID** |
| Ritvik Kumar Singh | RA2011003010228 | CTECH | 7651831179 | rs5051@srmist.edu.in |
| Tanya Singh | RA2011003010231 | CTECH | 9608373612 | ts7307@srmist.edu.in |
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| **Degree/ program** | B.Tech | **Specialisation** | Computer Science & Engineering  **Project Batch ID** |
| **Academic Year** | 2023-2024 (Even) | **Semester** | 8 |
| **Course Code** | **18CSP109L/ 18CSP111L** | **Course Title** | Project |
| Empowering global bee conservation through innovative technology, and revolutionize bee health monitoring, safeguard pollinators, and foster sustainable ecosystems for a thriving future. | | | |
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| **Problem (or) Product Description:** | | | |
| Colony Collapse Disorder (CCD) poses a significant threat to the global bee population, with profound | | | |
| implications for agriculture and ecosystems. In the context of the beekeeping industry in India, this | | | |
| , this project emerges as a cutting-edge solution to address the challenges associated with CCD. By | | | |
| harnessing the power of image recognition and deep | | | |
| learning as well as real live time monitoring and providing a user-friendly platform for the | | | |
| assessment of individual bee health, subspecies identification, and prediction of the types of | | | |
| pollen a bee can carry along with live monitoring with sensors. | | | |
| **Assumptions and Constraints** | | | |
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| **Stakeholders** | | | |
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**Division of work and contributors**

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| --- | --- | --- | --- | --- |
| **Time period** | | **Activities or components of the project** | **Name/Register Number of the Individual Contributor** | **Names/Register Number of the Joint Contributors** |
| **From Date** | **To Date** |
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**Division of work and contributors**

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| **Time period** | | **Activities or components of the project** | **Name/Register Number of the Individual Contributor** | **Names/Register Number of the Joint Contributors** |
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**Summary record of major progress meetings with supervisors**

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| **Summary record of major progress meetings with supervisors** | |  | **Working title of dissertation/research project:** | |
| **Meeting date & supervisors present** | **Progress since last meeting** | **Agreed programme of work and target dates** | **Other issues, e.g. facilities, supervision, training needs, etc.** | **Date of next meeting** |
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**Summary record of major progress meetings with supervisors**

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**Worksheet / Data collection / Observation etc**

**Journal Publication Details**