



**BMS**INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, yelahanka – bangalore – 560064

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**PBL Compendium**

**2022-23**

**Even Semester (VI)**

## PBL REPORT

Department of Electronics and Communication Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a BMSIT open day on 08<sup>th</sup> July 2023 in physical mode and students of VI semester exhibited their projects. The projects exhibited the student's ability to apply their learning to solve the real world problems.

This semester around 53 PBL batches participated in PBL exhibition and 11 Projects were selected for second round of evaluation. These projects were presented on open day and evaluated by panel members consisting of external (from industry) and internal members based on various rubrics.





## JUDGE FOR THE EVALUATION

1) **Mr. Adhinarayana Rao Velpula**, Domain Lead – Enterprise Performance Management, Manyatha Tech Park, Philips India Ltd., Bangalore, Karnataka.

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### PRIZE WINNERS LIST

| Batch No.           | Name                     | USN        | Title   | Guide                  |
|---------------------|--------------------------|------------|---|------------------------|
| <b>First Prize</b>  |                          |            |   |                        |
| TG24                | Bhavitha D S             | 1BY20EC040 | Sanitary Pad Vending Machine                                | Prof. Asha G Hagargund |
|                     | Chethana B N             | 1BY21EC401 |   |                        |
|                     | Gunjan D                 | 1BY21EC403 |   |                        |
|                     | Keerthana y p            | 1BY21EC405 |   |                        |
| TG13                | G Kushal Varma           | 1BY20EC065 | Brain Tumor classification and segmentation                 | Dr. Laxmisagar H S     |
|                     | Jeevan V                 | 1BY20EC075 |   |                        |
|                     | N Y Shreyas              | 1BY20EC106 |   |                        |
|                     | Nevan George Thomas      | 1BY20EC108 |   |                        |
| TG21                | S M Varasidhi Vinayaka   | 1BY20EC140 | Bridging online and offline shopping using Li-Fi Technology | Prof. Shilpa Hiremath  |
|                     | Swathi A M               | 1BY20EC172 |   |                        |
|                     | Nikhil M Joshi           | 1BY20EC197 |   |                        |
| <b>Second Prize</b> |                          |            |   |                        |
| TG14                | Achyutha Gowda C P       | 1BY20EC009 | Involuntary Emotion Detection                               | Dr. Vijayalakshmi G V  |
|                     | Alla Vamsi Krishna       | 1BY20EC021 |   |                        |
|                     | Leti Manish Kumar        | 1BY20EC090 |   |                        |
| TG38                | Rahul Kumar              | 1BY20EC129 | Solar lake cleaner  | Prof. Chandra Prabha R |
|                     | Nishant Kumar            | 1BY20EC111 |   |                        |
|                     | Kumar Ritik Ranjan Singh | 1BY20EC137 |   |                        |
|                     | Vaishnavi                | 1BY20EC180 |   |                        |
| TG39                | Rahul kumar              | 1BY20EC128 | Fake Product Identification using Block chain               | Prof. Chandra Prabha R |
|                     | Tannu Kumari             | 1BY20EC174 |   |                        |
|                     | Suman Raj                | 1BY20EC195 |   |                        |
|                     | Vishal Raj               | 1BY20EC187 |   |                        |

PBL Coordinator

HoD (ECE)

### **Program Outcomes Mapped and justification**

PBL projects are mapped to PO1, PO2, PO3, PO6, PO9, PO10, PO11, PO12.