

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

(Autonomous Under VTU)

(Accredited By National Assessment & Accreditation Council (NAAC)) (Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)

Department of Artificial Intelligence and Machine Learning

Academic Year : ODD SEM 2022-23

PBL Report

The open Day was conducted on 13.1.2023. All 3rd and 5th semester students presented their innovative ideas. The projects were mainly focusing on the domains Artificial Intelligence, Machine Learning, Data Analytics, Block chain, Database management system etc. Total of 31 projects were exhibited on 8.7.2022 and later 8 projects were shortlisted out of 31. 4 projects from 3rd semester and 4 projects from 5th semester. Those 8 projects were evaluated on 13.1.2023.

The following are the sample list of the PBL projects carried out by 3rd sem and 5th sem students of AI&ML dept.

1. Detection of Autism Spectrum Disorder using Machine Learning Techniques
2. Speech based Emotion Recognition
3. Finding effective solutions for disease and mental health issues using OpenAI
4. Design of a Smart Blind Stick.
5. Detection of Parkinson's disease using Speech
6. Heart disease Prediction using ECG
7. Lane line detection system using Vehicles Guidance
8. ECG Monitor
9. Youtube Transcript Summarizer.
10. Air Gesture detection for the Disabled
11. PBL 2.0
12. Home Automation System
13. Text Summarization
14. Ultrasound Nerve Segmentation
15. BMSIT&M Research Articles Warehouse
16. Full autonomous real time mapping and navigation-based UAV
17. Automated Detection and nutrient supply system for agriculture
18. PBALO-an AI
19. AI Solution for SOIL fertility and crop prediction
20. Smart home Security
21. Flood prediction and prevention
22. Smart Irrigation
23. Product review analysis for genuine rating
24. Virtual health care assistant
25. Vaccine management registration system
26. Restaurant billing system using python
27. Driver Drowsiness detection
28. A blockchain-based framework for secure educational credentials

JUDGES FOR THE EVALUATION

1. Pralhad P. Teggi, Software Engineer, IBM Bengaluru.
2. Dr Bharathi Malakreddy A, Professor and Head, Department of AI & ML.
3. Dr Anupama H S, Associate Professor, Department of AI & ML.
4. Dr Vishwa Kiran S, Associate Professor, Department of AI & ML.
5. Dr Pradeep K R, Assistant Professor, Department of AI & ML.
6. Dr. Rajesh.I. S, Assistant Professor, Department of AI & ML.
7. Mrs.Archana Bhat, Assistant Professor, Department of AI & ML.
8. Dr. Niranjana murthy, Assistant Professor, Department of AI & ML.
9. Dr. Chandrashakar, Assistant Professor, Department of AI & ML.
10. Mr. Khantaraju, Assistant Professor, Department of ISE.

PBL PRIZE WINNERS List

5th Sem PBL Winners List			
Prize Winners	USN	NAME	Project Title
1st Place	1BY20AI033	NIKITA R	MED ASK
	1BY20AI034	OMKAR N	
	1BY20AI051	SHASHANK R	
	1BY20AI065	ADITHYA R	
2nd Place	1BY20AI001	A S ADITHIYAA	AIR Gesture detection for the disabled
	1BY20AI018	ISHA RAJ	
	1BY20AI028	MEGHANA RAJU K	
	1BY20AI062	VANDANA KUMAR SWAMY	

3rd Sem PBL Winners List			
Prize Winners	USN	NAME	Project Title
1st Place	1BY21AI001	AAKASH NAGAMALLI	Fully Automated Real Time Mapping and Navigation based UAV
	1BY21AI006	ANMOL.A	
	1BY21AI010	ARYAN MUKKATIRA AIYAPPA	
	1BY21AI058	VAIBHAV MK	
2nd Place (Shared)	1BY21AI008	ANUSHA BHAGWATH	AI solution for Soil Fertility and Crop Prediction
	1BY21AI017	G.JAHANAVI	
	1BY21AI023	KRUTHI M	
	1BY21AI024	M.TEJASWINI	
	1BY21AI005	ANAND R.BHAT	Smart Home Security
	1BY21AI009	ARAVIND.M	
	1BY21AI035	NEHA SANTHOSH THEKKETHALA	
	1BY21AI052	SIRISHA SATISH	

Program Outcomes Mapped and justification

PBL projects are mapped to the following PO's

PO's Mapped:

- PBL projects are mapped to the following PO's
- PO1, PO2, PO3, PO4: These PO's are mapped because, Problem statement needs to be analyzed, designed and apply mathematical formulations for making the prototype to work.
- PO5, PO6: All projects have used different modern tools and few of them are societal concerns.
- PO9, PO10, PO12: All the batches have worked in teams with good communication. The concepts that the projects have done will be of lifelong learning.

Photos/ Screenshots



