

ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ನಿರ್ವಹಣಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)
BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
PBL- 2022

Department of Information Science and Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a PBL Project Review on 7th and 8th Jan 2022 to exhibit the project work carried out by the students of the III and V semester. The projects exhibited the student's ability to apply their learning to solve real-world problems.

This semester around 109 PBL batches chose the simulation and Software projects (because of lockdown) which students have taken up few challenges and realized the same with the help of peer groups and faculty mentors. Intensive review of projects is carried out by the faculty members. These projects were evaluated by internal committee on various rubrics. Selected best 5 projects presented their work to jury from industry.

BEST PROJECTS

III SEMESTER

Batches	USN	NAME	Title of The Project
1	1BY20IS028	Ananya R	Face mask recognition
	1BY20IS036	Azra Rumana	
	1BY20IS060	Harshini k	
	1BY20IS001	Aayushi Jaiswal	
2	1BY20IS027	Ananya Dixit	Ride Rental system management
	1BY20IS034	Atharv Kulkarni	
	1BY20IS052	Dhruva Kashyap	
	1BY20IS057	Gaurav R M	
3	1BY20IS004	Abhinav dadhich	music recommendation using facial emotion recognition
	1BY20IS005	Abhinav jha	
	1BY20IS025	Ananya	
	1BY20IS058	Gautami rakesh	
4	1BY20IS064	Jhansi Priya S	E- Career Counselling
	1BY20IS059	Harsh Singh	
	1BY20IS044	C B Suraj Krishnan	
	1BY20IS017	Akanksh P N	

5	1BY20IS014	Aditya Pal	HandyMan Blue Color Job
	1BY20IS013	Aditya Gour	
	1BY20IS040	Bhavyatha M	
	1BY20IS026	Ananya Anand	
6	1BY20IS003	Abha Nair	Smart streets: IOT based quick emergency alerting system
	1BY20IS109	P. Manjusha	
	1BY20IS103	Ojaswini J	
	1BY20IS121	Priyamvada P.	
7	1BY20IS088	Monish S	Kalaa- Reviving India's Heritage
	1BY20IS091	Murali Manohara Hegde A S	
	1BY20IS100	NIKHIL KUMAR	
	1BY20IS114	PRANAV ADITYA	
8	1BY20IS073	Lokesh E	<i>Smart Classroom</i>
	1BY20IS065	Jitendriyadeep	
	1BY20IS098	Niha shnavas	
	1BY20IS089	Monisha G	
9	1BY20IS066	K Akshaya	Machine learning application Prediction of Parkinson
	1BY20IS093	Namana S	
	1BY20IS107	PSH Keerthana	
	1BY20IS117	Preeti R K	
10	1BY20IS085	MOHAMMED NIHAAL NAAGTHE	IoT BASED REFRIGERATOR FOR MONITORING STORED FOOD MATERIALS
	1BY20IS115	Pratham RK	
	1BY20IS092	N Akhil	
	1BY20IS074	M Harshavardhana reddy	
11	1BY20IS148	SANVI G R	Smart parking system
	1BY20IS136	SAHANA A	
	1BY20IS137	SAHANA R	
	1BY20IS163	SNEHA B	
12	1BY20IS141	Samarth Ramakrishna Upadhaya	Budget Tracker
	1BY20IS144	Sandeep H N	
	1BY20IS179	TR Ratna Rohan	
	1BY20IS193	YS Siddharth	
13	1BY20IS133	Roushan Agarwalla	BMSIT Book Management System
	1BY20IS138	Sahana Guttikar	
	1BY20IS147	Sanskriti Agrawal	
	1BY20IS180	Tanmay Sharma	
14	1BY20IS150	Saurav. U	pets world
	1BY20IS182	Tejas	
	1BY20IS160	Siddagoud Sangoud Patil	
	1BY20IS162	Sk Faizan Haque	

15	1BY20IS140	SAMARTH	Ultrasonic Sensor for visually impaired
	1BY20IS134	Ruthvik	
	1BY20IS118	Prerana G	

V SEMESTER

Batches	USN	Name	Title
1	1BY19IS038	BHAGESH	Autopilot - Hassle Free Air Travel
	1BY19IS017	AKSHAT SHARMA	
	1BY19IS026	ANANYA SHARMA	
	1BY19IS200	Gosaliya Yash	
2	1BY19IS046	Chirag Mokashi	Leetcode Tracker using MERN and Selenium
	1BY19IS022	Amit Bhushan	
	1BY19IS011	Aftab Ahmed	
	1BY19IS066	Harshit Panwar	
3	1BY19IS043	Sai kusal	Pneumonia detection using Deep Learning
	1BY19IS005	Abhilash A Pujar	
	1BY19IS001	A gautham	
	1BY19IS052	Dhyanshekar B M	
4	1BY19IS004	Abhay M Pamadi	Alzheimer's Companion
	1BY19IS026	Ananya Ravishankar	
	1BY19IS029	Anu Nithya P	
	1BY19IS064	Gudla Jahnavi	
5	1BY19IS016	Akash niraj	VTU Result Automation Using UI Path
	1BY19IS048	Deepak singh	

	1BY19IS002	Amit sharma	
	1BY19IS053	Diksha pujan singh	
6	1BY19IS128	RAJATH. M. HEGDE	Sign language detection using Deep learning and Openb CV
	1BY19IS126	R. DEEKSHA	
	1BY19IS073	JESHWIN THOMAS	
	1BY19IS131	RATYUSH MISHRA	
7	1BY19IS099	Mohammed Tawheed	Safecity
	1BY19IS089	V.Madhan	
	1BY19IS123	Prithvi H L	
	1BY19IS113	Nikhil Gowda	
8	1BY19IS106	Navyashree K V	Hecate - Women Safety Application
	1BY19IS108	Neeraja Rajesh	
	1BY19IS109	Nesara A	
	1BY19IS118	Poorna N S	
9	1BY19IS068	Hulsurkar Vastav Vishwas	WHATSinMAIL
	1BY19IS080	Kenneth Dias	
	1BY19IS122	Prinshu Shukla	
	1BY19IS071	Jaswanth K E	
10	1BY19IS078	Kavya Ganesh Shetty	Face mask detection and social distance monitoring using OpenCV
	1BY19IS088	Maddukuri Satwika	
	1BY19IS111	Nidhi Balachandra Bhat	

	1BY19IS129	Rajeshwari M	
11	1BY19IS163	SUDHANVA RAO	Social Media using Blockchain technology
	1BY19IS139	ROSHAN POONACHA A B	
	1BY19IS164	SUHAS M	
	1BY19IS181	VIMARSH AYYAPPA M S	
12	1BY19IS134	ROHIT GANGADHAR	Security Camera
	1BY19IS141	S P POOJITHA	
	1BY19IS161	S SUCHI LORETTA	
	1BY19IS182	VINAY H N	
13	1BY19IS165	SUMITHRA THAPA R	Discovering Key players in social networks
	1BY19IS175	VAIBHAVI S M	
	1BY19IS176	VANDANA D	
	1BY19IS146	SEEMA B N	
14	1BY19IS178	VIKAS	Prediction of customer demand using Machine Learning
	1BY19IS160	SUBHADIP PAL	
	1BY19IS159	SRUJAN R BANGERA	
	1BY19IS184	YAJNESH R KUNDER	
15	1BY19IS170	THARANG S	Liver disease prediction using machine learning
	1BY19IS140	S KAUSHIK	
	1BY19IS145	SATHVIK PURUSHOTHAM	
	1BY19IS143	SAI THARUN	

	VELPULA	
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JUDGES FOR THE EVALUATION

1. Rajesh Gudikoti, Software Architect (Java/BPM/AI/NLP) at IBM Software Labs,
Email : rajesh.gudikoti@gmail.com
2. Jeffline Jenisha W, Software Engineer, Informatica Solutions, Bengaluru.
Email:jefflinejenisha@gmail.com

PRIZE WINNERS List

Semester	Prize	USN	Name of the Student	Title of the Project
III	1A	1BY20IS027	Ananya Dixit	Ride Rental system management
		1BY20IS034	Atharv Kulkarni	
		1BY20IS052	Dhruva Kashyap	
		1BY20IS057	Gaurav R M	

2A	1BY20IS004	Abhinav dadhich	music recommendation using facial emotion recognition
	1BY20IS005	Abhinav jha	
	1BY20IS025	Ananya	
	1BY20IS058	Gautami rakesh	
1B	1BY20IS003	Abha Nair	Smart streets: IOT based quick emergency alerting system
	1BY20IS109	P. Manjusha	
	1BY20IS103	Ojaswini J	
	1BY20IS121	Priyamvada P.	
2B	1BY20IS066	K Akshaya	Machine learning application Prediction of Parkinson
	1BY20IS093	Namana S	
	1BY20IS107	PSH Keerthana	
	1BY20IS117	Preeti R K	
1C	1BY20IS133	Roushan Agarwalla	BMSIT Book Management System

		1BY20IS138	Sahana Guttikar	
		1BY20IS147	Sanskriti Agrawal	
		1BY20IS180	Tanmay Sharma	
	2C	1BY20IS148	SANVI G R	Smart parking system
		1BY20IS136	SAHANA A	
		1BY20IS137	SAHANA R	
		1BY20IS163	SNEHA B	
V	1-A	1BY19IS046	Chirag Mokashi	Leetcode Tracker using MERN and Selenium
		1BY19IS022	Amit Bhushan	
		1BY19IS011	Aftab Ahmed	
		1BY19IS066	Harshit Panwar	
	2-A	1BY19IS004	Abhay M Pamadi	Alzheimer's Companion
		1BY19IS026	Ananya Ravishankar	
		1BY19IS029	Anu Nithya P	
		1BY19IS064	Gudla Jahnavi	
	1-B	1BY19IS128	RAJATH. M. HEGDE	Sign language detection using Deep learning and Openb CV
		1BY19IS126	R. DEEKSHA	
		1BY19IS073	JESHWIN	

		THOMAS	
	1BY19IS131	RATYUSH MISHRA	
2-B	1BY19IS106	Navyashree K V	Hecate - Women Safety Application
	1BY19IS108	Neeraja Rajesh	
	1BY19IS109	Nesara A	
	1BY19IS118	Poorna N S	
	1BY19IS071	Jaswanth K E	
	1BY19IS129	Rajeshwari M	
1-C	1BY19IS163	SUDHANVA RAO	Social Media using Blockchain technology
	1BY19IS139	ROSHAN POONACHA A B	
	1BY19IS164	SUHAS M	
	1BY19IS181	VIMARSH AYYAPPA M S	
2-C	1BY19IS170	THARANG S	Liver disease prediction using machine learning
	1BY19IS140	S KAUSHIK	
	1BY19IS145	SATHVIK PURUSHOTHAM	
	1BY19IS143	SAI THARUN VELPULA	

Photos/ Screenshots:

3rd sem PBL - open day

Google Chrome | Jan 8 10:23 AM

meet.google.com/vjr-udsq-dtn

C B SURAJ KRISHNAN ISE-2020-24 is presenting

APTITUDE

In this section students will be asked aptitude questions where each question will be related to a field.

Q. Which of the following is similar to the first one ?

This question is based on ARTS

A

B

C

D

C	P
C B SURAJ KRISHNAN IS...	PRERANA G ISE-2020-24
P	S
PREETI K ISE-2020-24	SANVI G R ISE-2020-24
P	
PEDADA MANJUSHA ISE...	RUTHVIK NARAYAN RED...
A	A J
AKANKSH P N ISE-2020...	51 others

You

10:23 AM | vjr-udsq-dtn

meet.google.com/vjr-udsq-dtn?pli=1&authuser=1

ANANYA ISE-2020-24 is presenting

PROPOSED SYSTEM

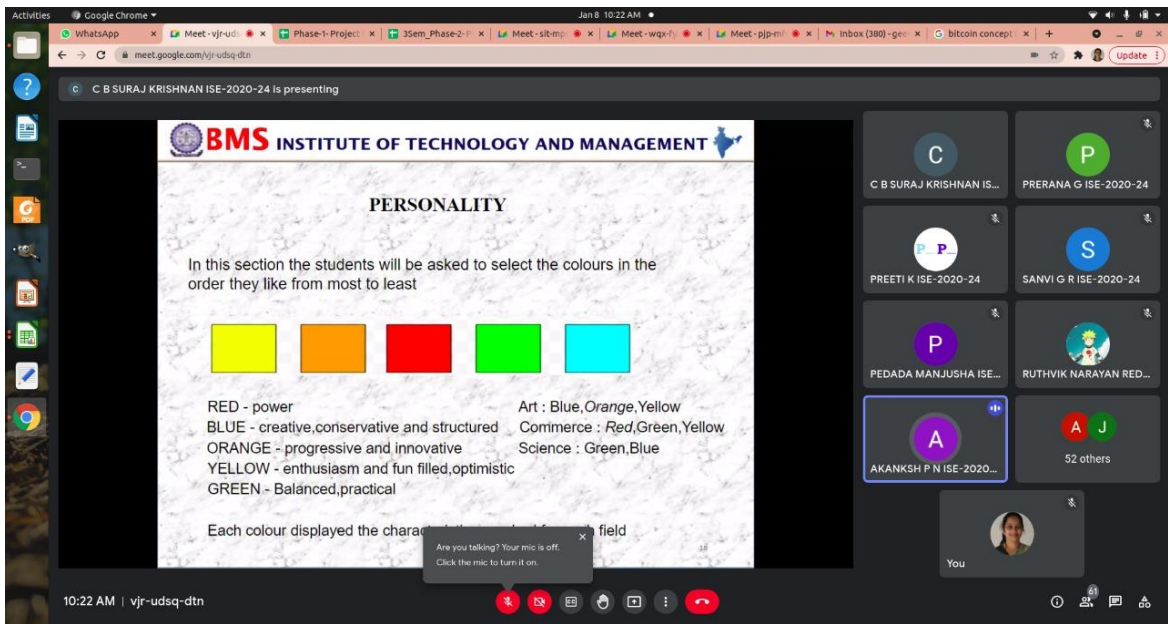
- The existing system made use of wearable physiological sensors whereas in this system live face emotion is detected using webcam where in the facial expressions are detected, captured and classified into their respective types
- Accordingly the system plays music from the collected facial expressions. This system makes use of K Nearest Neighbor (KNN) algorithm model for image classification. The model trains itself according to the results thus improving the efficiency and effectiveness of the system

Your computer might slow down while running video effects

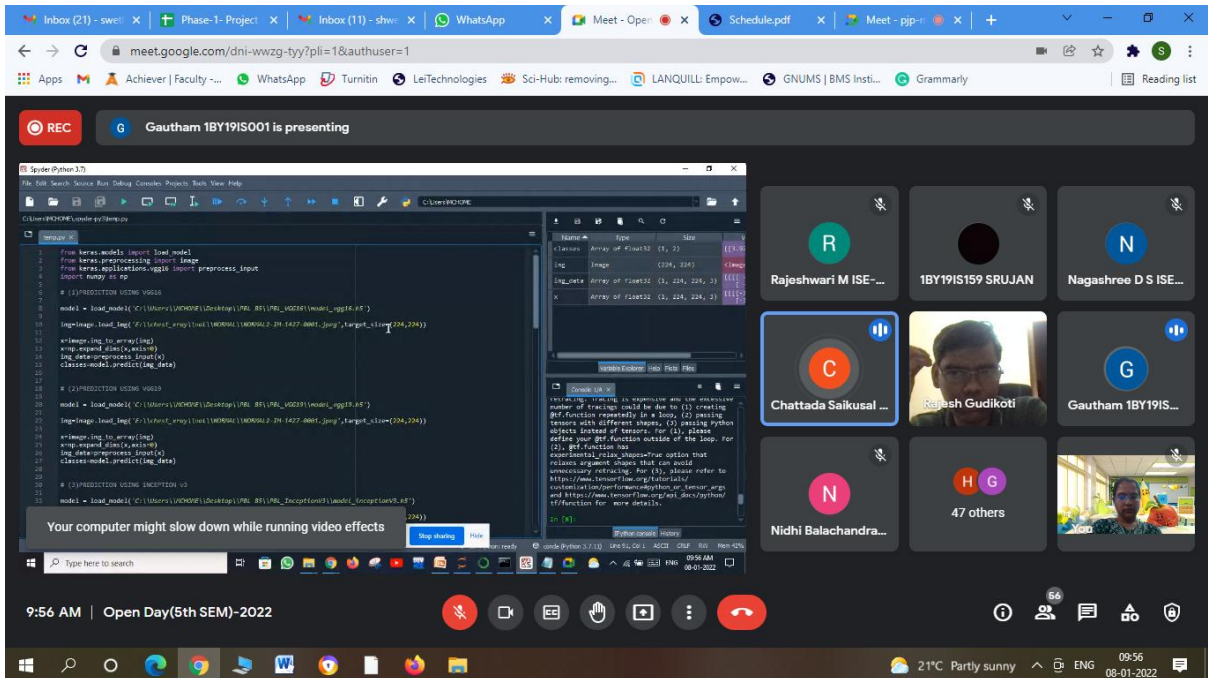
A	M	D
ANANYA ISE-202...	MURALI HEGDE IS...	DHRUV K ISE-202...
C	P	P
C B SURAJ KRISH...	PRERANA G ISE-2...	PREETI K ISE-202...
	S P	
ABHINAV JHA ISE...	56 others	

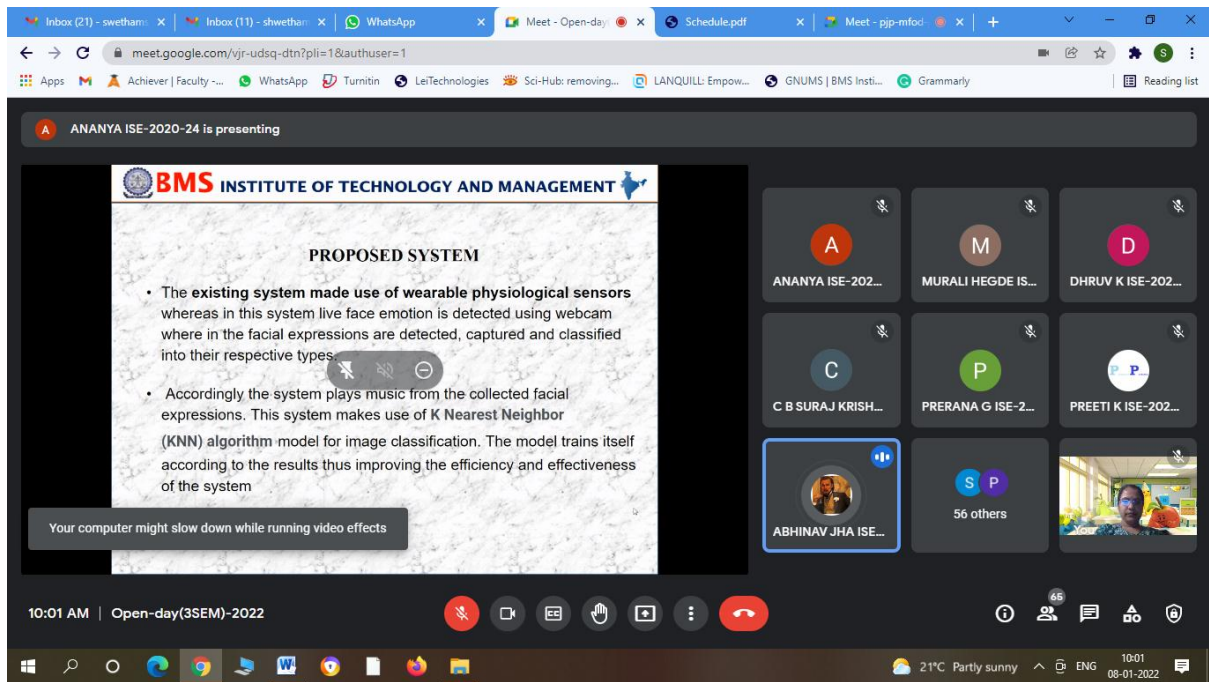
10:01 AM | Open-day(3SEM)-2022

21°C Partly sunny | ENG | 10:01 | 08-01-2022



5th sem PBL-open day





• Program Outcomes Mapped and justification

PBL projects are mapped to the following PO's

PO5 : Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 : The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 : Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 : Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 : Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 : Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. PO11 : Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 : Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PBL Coordinators

(Prof. [Swetha M S](#)/ Dr. Geeta Patil)

HoD-ISE

Dr. [Pushpa S.K](#)