



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PROJECT BASED LEARNING (PBL) SUMMARY

PREAMBLE:

Every semester, BMSIT&M instils the spirit of "Do it yourself" amongst the students. An initiative to encourage every student to gain experiential learning. Students (in groups of 3 - 4) engage in PBL. They do one project every semester in the area relevant to their courses and matching their interest. All these projects done by students are exhibited in BMSIT OPEN DAY, once a semester. Renowned industry executives, investors and academicians evaluate these projects, and about 80 - 100 projects are given with prizes to encourage students to do better.

ACADEMIC YEAR	NO. OF PROJECTS
2020-21	34
2019-20	34

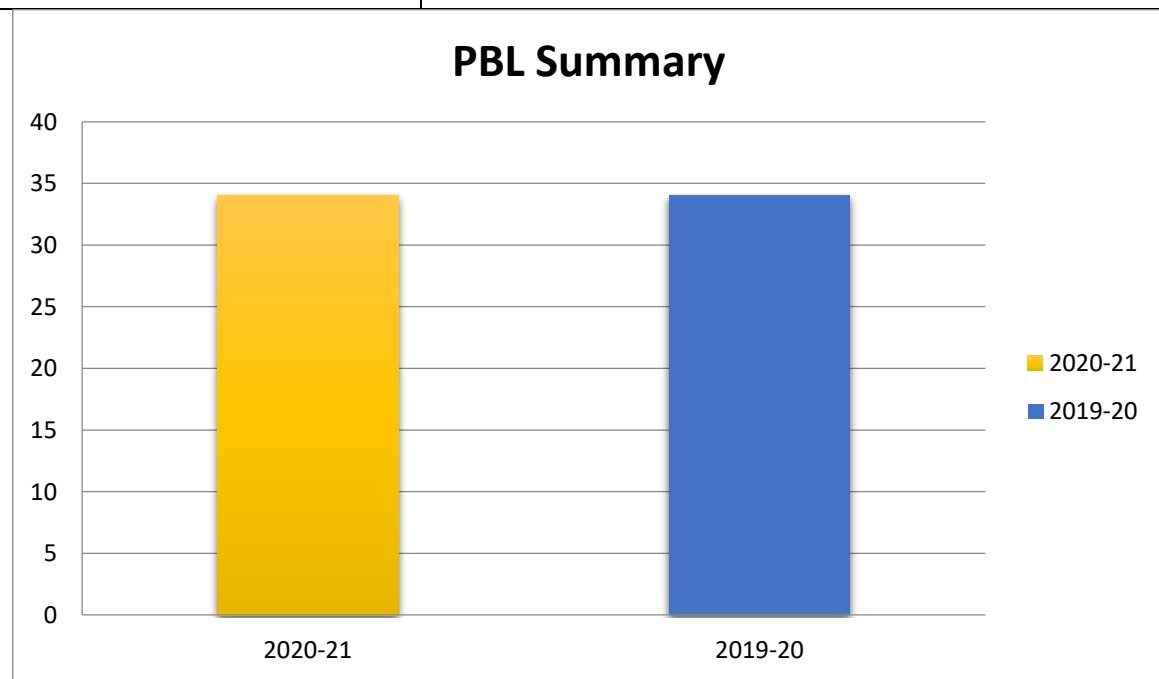


PHOTO GALLERY



PBL Summary: AY 2020-21

VI SEM Project details

Batch No	Student Name	USN	Title	Guide Name
B 1	Mangala Madhan Kumar	1BY18EE032	Text extraction from Image	Dr N Ramarao
	Ranjith R	1BY18EE047		
	Sujeeth Kumar G.k	1BY18EE053		
	Ullas Raju C R	1BY18EE059		
B 2	Arjunagi A Rehaman Moulali	1BY18EE007	Pendrive Encrypted Key	Suma Umesh
	Avishi Jain	1BY18EE008		
	Ayush Kumar	1BY18EE009		
	Ramesh Mishra	1BY18EE046		
B 3	Aayan Singh	1BY18EE001	Python Based Calorie Tracker	Dr Prashant A A
	Debanshu Poddar	1BY18EE015		
	Deepanshi Singh Rao	1BY18EE017		
B 4	Dheeraj Reddy Y A	1BY18EE018	Block Motion estimation and compensation in images.	Dr Madhu Palati
	Harshitha Jagadish	1BY18EE024		
	Pranav K	1BY18EE042		

	Vaibav Varshini J	1BY18EE061		
B5	Divyashree A	1BY18EE020	DC Motor Model using MATLAB	Manjunath Babu P
	Komal Kumari	1BY18EE029		
	Nirmala Roy	1BY18EE037		
	Sushmitha P	1BY18EE056		
B6	Bhargavi Sujana K S	1BY18EE013	Piezoelectric Power Generation Mechanism	Dr Sanjay L
	Aishwarya Sudheer	1BY18EE004		
	Sumanth Hande P	1BY18EE054		
	Pranav Anand	1BY18EE043		
B7	Pushpa Parinitha V	1BY18EE044	Bluetooth Based Robot using 8051 microcontroller	Ozwin Dsouza
	Nagavarshini R K	1BY18EE035		
	Aishwarya Goni	1BY18EE003		
	Pooja Sannashivannanavar	1BY18EE040		
B8	Kiran S	1BY18EE028	Autonomous ground vehicle (AGV) simulation	Vikram Chekuri
	Koustub S H	1BY18EE030		
	Manoj M	1BY18EE034		
	Bhanu Prashanth T	1BY18EE011		
B9	Bharath A J	1BY18EE012	PIN based fire sensor	H D Kattimani
	Rakesh R	1BY18EE045		
	Umar Afthab	1BY18EE060		
		1BY18ee002		
B10	Akash G	1BY19EE400	Bluetooth controlled electronic home appliance	Nagaraj D C
	Girish S	1BY19EE403		
	Prajwal Hiremath	1BY18EE041		
	Akshat Gupta	1BY18ee005		
B11	Nischitha M N	1BY18EE038	VOICE ALERT BASED SMART BLIND STICK USING ARDUINO ANA ULTRASONIC SENSORS	Rajnikanth
	Shreenidhi T M	1BY18EE051		
	Swapnashree K V	1BY18EE057		
	Aishwarya	1BY16EE065		
B12	J P Jaipuneeth	1BY18EE025	AC Light Dimmer using Arduino and Triac	Dr Prashanth N A
	Dinesh R	1BY18EE403		
	Priyanka P	1BY19EE405		
	Anup Shivaraj Jambagi	1BY19EE401		
B13	Shubham Raheja	1BY18EE052	Predicting Bee species using Image Processing and ML	Manjula B K
	Yashas Krishnamoorthy	1BY18EE063		
	Akshaya V	1BY18EE006		
	Guru Anavarhadhan	1BY18EE022		
B14	Mangesh Kumar	1BY18EE033	Ultrasonic Radar using Arduino	Shilpa G
	Divyansh Singh	1BY18EE019		
	Mohneesh S	1BY18EE048		
	Sayan Ghosh	1BY18EE050		
B15	Ponnam Nagaroopu	1BY18EE039	Speed control on Bldc motor using PID controllers	Babu Naik G
	Kusuma K Y	1BY19EE404		
	Moinuddin Pasha	1BY18EE064		
	Deepa P	1BY19EE402		
B16	K.Rajasheskhar	1by18ee026	Attendance system using face recognition techniques	H D Kattimani
	Gowra venkat manoj	1by18ee021		
	Nimmagallu nawaz	1by18ee036		
	Dasari manoj kumar	1by18ee014		
B17	Abhirup K. Borah	1BY18ee002	Accident Messaging System	Dr N Ramarao
	Akshat Gupta	1BY18ee005		

IV SEM project Details:

Batch No	USN	NAME	PROJECT - TITLE	GUIDE NAME
1	1BY19EE056	Suhas P	Speed Control of DC Motor using MATLAB	Dr N Ramarao
	1BY19EE033	Neeraja Anand		
	1BY19EE043	Rakesh R S		
	1BY19EE030	Nagesh B E		
2	1BY19EE032	Naziya Banu K	Detecting Heart rate from ECG using MATLAB	Dr N Ramarao
	1BY19EE031	Navya M.R		
	1BY19EE062	Yashaswini B A		
	1BY19EE055	Spoorthi D H		
3	1BY19EE048	Sameeksha	Solar power Generation for home applications using MATLAB	Dr Sanjay L
	1BY19EE038	Pindi Hara Priya		
	1BY19EE053	Shylaja . M		
4	1BY19EE047	Sai Rassmi.M	Speed control of DC motor using Buck Converter	Dr Sanjay L
	1BY19EE059	Virajit B Shastry		
	1BY19EE010	Bhuvana Giri Gurucharan		
	1BY19EE041	Prathiba M		
5	1BY19EE007	Awantika Prakash	Design of water level detection using fuzzy logic	Prof H D Kattimani
	1BY19EE011	Chetna Sharma		
	1BY19EE019	Harshita		
6	1BY19EE040	Prashant R	Modelling and Simulation of Hydro Power Plant	Prof H D Kattimani
	1BY19EE018	Harsh		
	1BY19EE034	Nirmal Kumar		
	1BY19EE051	Shreehari S Vasisht		
7	1BY19EE028	Dhivinkumar M	IOT based heart rate monitoring system using Arduino.	Suma Umesh
	1BY19EE049	Satish Kumar M		
	1BY19EE052	Shreela Upasana H.N		
	1BY19EE020	Hrishav Prasad		
8	1BY19EE022	Karan Kishore	Mathematical Modelling of AC-DC converter using Scilab/Xcos	Dr Prashant A Athavale
	1BY19EE017	Gayatri Jaltare		
	1BY19EE036	P Vishakha Aithal		
	1BY19EE057	Tharun Kumar C		
9	1BY19EE015	Eeshan Bhattacharya	Gas Detector/Sensor	Dr Prashanth N A
	1BY19EE016	Gaurav Kumar Rai		
	1BY19EE058	Vertika Srivastava		
	1BY19EE060	Vishnu Vardhan		

		Samudrala		
10	1BY19EE006	Arati Lal	Hotel Management System Post Pandemic	Dr Madhu Palati
	1BY19EE028	Monika A		
	1BY19EE004	Aniket Ghosh		
	1BY19EE037	P Mrutunjaya Dash		
11	1BY19EE042	Rahul Eshwaran	Password Based CIRCUIT BREAKER	Manjula B K
	1BY19EE029	Nachiketh V Boin		
	1BY19EE039	Pramod S L		
	1BY19EE001	Abdul Rahim[ab]		
12	1BY19EE005	Anshul Mahesh	Automatic Street Light Controller	Vikram Chekuri
	1BY19EE050	Shashank S Tandur		
	1BY19EE023	Kiran K V		
	1BY19EE044	Rohan J		
13	1BY19EE054	Sony Pooja Rambabu	Voice Controlled RobotCar using Arduino	Vikram Chekuri
	1BY19EE003	Ajayakumar		
	1BY19EE026	Md Tabish Wijdan[ab]		
	1BY19EE008	Ayush Agrawal		
14	1BY19EE013	Divyashree R	IOT Based Smart Green House Automation	Ozwin Dsouza
	1BY19EE046	Sahana T M		
	1BY19EE045	Sachin S Shekar B C		
	1BY19EE061	Vivek B J		
15	1BY19EE012	Danish Maqbool	ABSENT	Nagaraj D C
	1BY19EE021	Jasim Hussan		
	1BY18EE023	Haiffee Ahmed		
	1BY19EE014	Diwakar L		
16	1BY19EE035	Nishant Kumar Poddar	NFC-Near Field Communication	Rajnikanth
	1BY19EE009	Ayush Sinha		
	1BY19EE002	Abdul Waseem		
17	1BY20EE400	Arkanulla Khan	Simulation of control system Automation using PLC	Manjunath Babu P
	1BY20EE401	Mohit R		
	1BY20EE402	Nagaraju R		
	1BY20EE403	Narasimha N M		
18	1BY20EE404	Praveen Patil	TESLA COIL	Shilpa G
	1BY20EE405	Rajith B Thampan		
	1BY20EE406	Sanjay N S		
	1BY20EE407	Thoteshappa S V		

Academic Year 2019-20 – 3rd SEM

Batch No	USN	NAME	PROJECT - TITLE	GUIDE NAME
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1	1BY18EE002	ABHIRUP KASHYAP BORAH	Economic Feasibility of Solar Panels for Third and Fourth Floor of BMSIT Main Building	Nagaraj D C
	1BY18EE003	AISHWARYA GONI		
	1BY18EE004	AISHWARYA SUDHEER		
2	1BY18EE005	AKSHAT GUPTA	Economic Feasibility of Solar Panels for First and Second Floor of BMSIT Main Building	Nagaraj D C
	1BY18EE006	AKSHAYA V		
	1BY18EE007	ARJUNAGI A REHMAN MOULAALI		
	1BY18EE008	AVISHI JAIN		
3	1BY18EE009	AYUSH KUMAR	Economic Feasibility of Solar Panels for Ground Floor of BMSIT Main Building	Nagaraj D C
	1BY18EE012	BHARATH A J		
	1BY18EE013	BHARGAVI SUJANA K S		
4	1BY18EE014	DASARI MANOJ KUMAR	Mini windmill power generation	Manjula B. K.
	1BY18EE015	DEBANSHU PODDAR		
	1BY18EE001	AAYAN SINGH		
	1BY18EE017	DEEPANSHI SINGH RAO		
5	1BY18EE018	DHEERAJ REDDY Y A	Plant irrigation water sprinkler Robot	Manjula B. K.
	1BY18EE021	GOWRA VENKAT MANOJ		
	1BY18EE036	NIMMAGALLU NAWAZ		
	1BY18EE039	PONNAM NAGA ROOPA		
6	1BY18EE022	GURU ANAVARHADHAN S	Self Watering IOT Planter	Manjula B. K.
	1BY18EE024	HARSHITHA JAGADISH		
	1BY18EE025	J P JAIPUNEETH		
	1BY18EE011	BHANU PRASHANTH T	Odometry based Robot	Ozwin Dsouza

7	1BY18EE028	KIRAN S		
	1BY18EE034	MANOJ M		
	1BY18EE030	KOUSTUB S H		
8	1BY18EE032	M. MADHAN KUMAR	Determination of Gas leak and Alerting system: Safety	Ozwin Dsouza
	1BY18EE033	MANGESH KUMAR		
	1BY18EE026	K RAJASHEKAR		
	1BY18EE035	NAGA VARSHINI R K		
9	1BY18EE041	PRAJWAL HIREMATH		Dr Madhu Palati
	1BY18EE042	PRANAV K		
	1BY18EE043	PRANAV ANAND		
10	1BY18EE040	POOJA S.	Testing procedure for various electrical gadgets	Dr Madhu Palati
	1BY18EE051	SHREENIDHI T M		
	1BY18EE038	NISCHITHA M N		
	1BY18EE057	SWAPNASHREE K V		
11	1BY18EE044	PUSHPA PARINITHA V	Measurement of insulation resistance of various insulating material	Dr Madhu Palati
	1BY18EE045	RAKESH R		
	1BY18EE046	RAMESH MISHRA		
	1BY18EE047	RANJITH R		
12	1BY18EE049	SARANG SREEKUMAR	Design of capacitors for high voltage generation	Dr Madhu Palati
13	1BY18EE052	SHUBHAM S RAHEJA	IoT LED Matrix	Babu Naik
	1BY18EE053	SUJEETH KUMAR G K		
	1BY18EE054	SUMANTH HANDE P		
	1BY18EE055	SUNAINA RONGPIPI		
			IoT Candle	Babu Naik
	1BY18EE058	SYED ARSHAD		

14		BASHA		
	1BY18EE059	ULLAS RAJU C R		
15	1BY18EE060	UMAR AFTHAB	IoT Enabled Smart Alarm Clock	Babu Naik
	1BY18EE061	VAIBAV VARSHINI J		
	1BY18EE063	YASHAS KRISHNAMOORTHY		
16	1BY18EE029	KOMAL KUMARI	Self rotating solar panel using arduino	Babu Naik
	1BY18EE056	SUSHMITHA P		
	1BY18EE020	DIVYASHREE A		
	1BY18EE037	NIRMALA ROY		
17	1BY18EE019	DIVYANSH SINGH	Fire Detection	Dr madhu Palati
	1BY18EE048	S MOHNEESH		
	1BY18EE050	SAYAN GHOSH		