

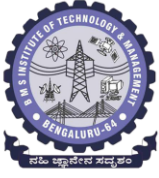
BMS INSTITUTE OF
TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

DEPARTMENT OF MECHANICAL ENGINEERING

PBL COMPENDIUM

2021 -22

EVEN SEMESTER



DEPARTMENT OF MECHANICAL ENGINEERING

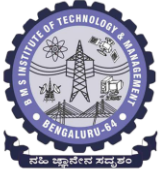
The Department of Mechanical Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a PBL Project review on 1st and 8th July 2022 to exhibit the project work carried out by the students of the IV and VI semester students. These projects showcase the student's ability to apply their learning to solve the real-world problems.

In this semester, IV semester students were grouped into 15 PBL batches (four students in each batch), while VI semester students were grouped into 20 PBL batches (three/four students in each batch) and totally 35 PBL batches carried out different projects. Most of the projects involves design and fabrication work and few were simulation or analysis based. All these projects were evaluated by internal committee on Friday, 1st July 2022 for VI semester students and Friday, 8th July 2022 for IV semester students based on the various rubrics in preliminary round and after critical evaluation 3 best projects from VI semester and 6 best projects from IV semester batches were selected for final round for OPEN DAY – Exhibition on Saturday, 9th July 2022.

The details of the best projects are as follows:

VI Semester:

SI NO.	Group/ Batch No.	Name of the student	USN	Title of the Project	Name of the Guide
1	B3	BRIJESH M R	1BY19ME010	MINI VACUUM CLEANER USING ARDUINO	Prof. SRIGANESH T G
		KARTHIK DB	1BY19ME020		
		TANVEER HUSSAIN K	1BY19ME048		
		VASANTH KUMAR G	1BY19ME051		
2.	B4	MUGILAN P	1BY20ME408	AUTOMATIC BLACK BOARD/WHITE BOARD CLEANER SYSTEM	Prof. M C MADHU
		PAVAN M	1BY20ME409		
		ABHISHEK A	1BY20ME400		
		TIMMAREDDY	1BY20ME414		
		ANVITH	1BY19ME023		
		PARTHA SARATHI	1BY19ME029		
3.	B1	NAMAN EDRAMI	1BY19ME026	VAPE VACUUM ACTUATED POP ENGINE	Dr. G L ANANTHAKRISHNA
		RAJATH M PATEL	1BY19ME032		
		SAMARTH NADIG	1BY19ME037		

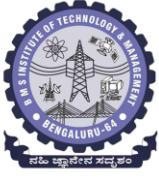


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IV Semester:

SI NO.	Group/ Batch No.	Name of the student	USN	Title of the Project	Name of the Guide
1	B2	MD DANISH	1BY20ME023	ALARM SYSTEM FOR THE SAFETY OF TODDLERS	PROF. SUNDARESH S
		HARSHVARDHAN SHARMA	1BY20ME018		
		RAHUL SINGH	1BY20ME038		
		MOHAMMAD SUEHAIL RATHER	1BY20ME025		
2.	B3	SHREYAS KASHYAP	1BY20ME044	WHISTLE COUNTER	DR. KEERTHI KUMAR N
		BHOOMIKA BHAT	1BY20ME009		
		V V SAI VEEKSHANA	1BY20ME048		
		SHARAN R RAMAN	1BY20ME042		
3.	B6	MOHIT K M	1BY20ME028	REGERATIVE BRAKING SYSTEM	PROF. MADHU M C
		PAVAN M	1BY20ME035		
		NANDAN REDDY	1BY20ME030		
		MOHIT R M	1BY20ME027		
4.	B11	KARTHIK HOBALIDAR	1BY21ME406	HYDRAULIC BRAKING SYSTEM	DR. G L ANANTHAKRISHNA
		BHUMESH H G	1BY21ME402		
		PRASHANTH S	1BY21ME408		
		VISHAL RAO SINDE	1BY21ME413		
5.	B5	ANANTHA H V	1BY21ME400	POWER HACKSAW USING SLIDER CRANK MECHANISM	PROF. KIRAN M D
		HEMANTH KUMAR G	1BY21ME404		
		S CHANDAN DEVADATT	1BY21ME409		
		VISHWANATH S M	1BY21ME414		
6.	B9	ASHISH D	1BY21ME401	CRANK SLOTTED LEVER MECHANISM	PROF. K CHANDRASHEKARA REDDY
		SIDDAIAH	1BY21ME411		
		CHANDRASHEKAR R	1BY21ME403		
		JEEVAN B G	1BY21ME405		

In the final round held OPEN DAY on Saturday, 9th July 2022, Mr. ATHITHA B J, Manager, Robert Bosch India Pvt.Ltd, Bengaluru as External Industry expert and Prof. K Chandrashekara Reddy, Assistant Professor



as Internal Academic member critically evaluated these projects based on the societal relevance, completion of the set objectives, presentation and queries and finally rated the projects based on the marks scored. Top two projects from each semester were awarded with a cash prize. The details of the award-winning projects are as follows:

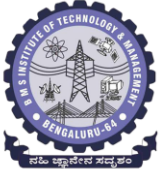
PRIZE WINNERS List

Semester: VI

SI NO.	Name of the student	USN	Title of the Project	Name of the Guide	POSITION
1	NAMAN EDAMI	1BY19ME026	VAPE VACUUM ACTUATED POP ENGINE	Dr. G L ANANTHAKRISHNA	I PRIZE
	RAJATH M PATEL	1BY19ME032			
	SAMARTH NADIG	1BY19ME037			
2.	MUGILAN P	1BY20ME408	AUTOMATIC BLACK BOARD/WHITE BOARD CLEANER SYSTEM	Prof. M C MADHU	II PRIZE
	PAVAN M	1BY20ME409			
	ABHISHEK A	1BY20ME400			
	TIMMAREDDY	1BY20ME414			

Semester: IV

SI NO.	Name of the student	USN	Title of the Project	Name of the Guide	POSITION
1	MD DANISH	1BY20ME023	ALARM SYSTEM FOR THE SAFETY OF TODDLERS	PROF. SUNDARESH S	I PRIZE
	HARSHVARDHAN SHARMA	1BY20ME018			
	RAHUL SINGH	1BY20ME038			
	MOHAMMAD SUEHAIL RATHER	1BY20ME025			
2.	SHREYAS KASHYAP	1BY20ME044	WHISTLE COUNTER	DR. KEERTHI KUMAR N	II PRIZE
	BHOOMIKA BHAT	1BY20ME009			
	V V SAI VEEKSHANA	1BY20ME048			
	SHARAN R RAMAN	1BY20ME042			

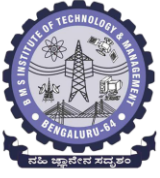


JUDGES FOR THE EVALUATION

1. Mr. ATHITHA B J, Manager, Robert Bosch India Pvt.Ltd, Bengaluru (**External Evaluator**)
2. Prof. K Chandrashekara Reddy, Assistant Professor (**Internal Evaluator**)

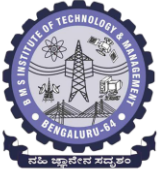
Glimpses of OPEN DAY – Project Exhibition





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