

**MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)**  
**THIRUVANANTHAPURAM - 695015**

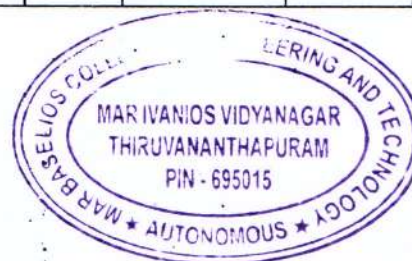
MBT/RPC/Projects/2021-2022

23-06-2021

**IN-HOUSE PROJECT FUNDING - OFFICE ORDER**

The list of in-house projects and its budget recommended by the Research Promotion Committee and approved by the Management for the academic year 2021-2022 is listed below:

#	Project Title	Principal Investigator	Co-PI	Dept.	Approved Budget(INR)				
					Equipment	Consumables	Manpower	Contingencies/Tests at external labs	Total
1	Design and implementation of Wireless Battery Management System in Electric Vehicles	Ms. Shilpa George, Asst. Prof.	Ms. Jomole Joseph P, Asst. Prof.	EEE	3,700	62,600	36,500	---	1,02,800
2	Control Design and Stabilization of a Rotary Inverted Pendulum	Ms. Keerthi S Nair, Asst. Prof.	Ms. Anu Gopinath, Asst. Prof.	EEE	---	10,000	---	---	10,000
3	An IoT Based Secure Smart Farming	Ms. Jisha Jose, Asst. Prof.	Ms. ShiniRenjith, Asst. Prof.	CSE	44,500	15,000	---	5,000	64,500
4	Automated Multi-Parameter based Fruit Grading using Machine Intelligence Techniques	Ms. Anjali S, Asst. Prof.	Ms. Vinny Pious, Asst. Prof.	CSE	1,000	5,000	---	4,000	10,000
5	Phytosynthesis of Bioactive Metal-Metal Oxide Nanocatalysts using Essential oil of Cymbopogon citratus (Lemongrass)	Dr. Vidya Vilas, Asst. Prof.	Dr. Archana P. Das, Asst. Prof.	S&H	20,000	40,000	---	40,000	1,00,000
6	Task Complexity in Second Language Writing: An analysis using Natural Language Processing Techniques	Dr. Veena Nair, Asst. Prof.	Ms. Dhanya L K, Asst. Prof.	S&H		5,000		15,000	20,000
7	An experimental study to evaluate the performance of Open Graded Friction Course using Hot Mix and Warm Mix Technology	Mr. Sijo M Saji, Asst. Prof.	Ms. Ann George, Asst. Prof.	CE	51,500	15,000	10,000	20,000	96,500
8	Development of an Engine Management System for a Single Cylinder SI Engine	Mr. Vishnu Asok J S, Asst. Prof.	Dr. Rajesh T N, Asso. Prof. & Head	ME	42,500	5,000	5,000	5000	57,500



### Terms and Conditions

- 1) Term of project starts from the date issue of office order regarding the approval.
- 2) The maximum duration of the project is one year from the date of approval.
- 3) Purchase requests should be forwarded to the Principal through HoD in the Internal R&D request form - Form#12(a).
- 4) For purchase of equipment more than Rs. 10,000/- (single equipment), use Form#12. While using Form#12, mark head of account as "In-house R&D Projects".
- 5) All purchase documents should be maintained by the Investigator and presented at the time of review by the Research Promotion Committee.
- 6) Travel expenses, registration fee etc. for Conferences/workshops can be claimed as per the Policy for Personal Development Allowance and reimbursed from office on submission of original bills. The request should be forwarded to the Principal through HoD.
- 7) On completion of the project, detailed report of the research work and utilization certificate duly attested by the Chairperson, Dept. RPC shall be submitted within one month of completion of the project.
- 8) All the research works should be translated to publications in reputed Journals.
- 9) On all publications resulting from the in-house projects, due acknowledgment shall be given to the Management, MBCET.

### REVIEW SCHEDULE OF IN-HOUSE R&D PROJECTS –2021- '22

- Project Commencement Date: 24<sup>th</sup> June 2021
- Review by Department RPC (Once in every three months)
  - Tentative date of 1st Review: 1st Week of October 2021
- Review by RPC (Once in a semester)
  - Tentative date of 1st Review: 1st Week of January 2022

  
Principal

Copy to: Bursar, Asst. Bursar, HoDs, Deans, Principal Investigators, file.

