

Name of the Department: Instrumentation and Control  
 Details of the Sponsored Research Projects Since 2019 till Date...

Sr. No.	PI and CO-PI	Title of the project	Project Sanctioned Date	Grant Sectioned (Lakhs)	Status (Ongoing/ Completed )	Sponsoring Authority and Sanction Letter No:	Project Duration	Remark if any
<b>Year: 2019-2020</b>								
1	PI: Mrs. Vaishali Patne Co PI: Dr. D. N. Sonawane	Numerical optimization in reconfigurable hardware to extend the use of model predictive control for real time applications	30-12-2019	28.14 Lakhs	<b>Completed</b>	DST, Women Scientist Scheme F. No: SR/WOS-A/ET-120/2018 Date: 30/12/2019	3 Years	

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<b>Year: 2020-2021</b>								
1	PI: Dr. D. N. Sonawane	Development of Vehicle Dynamic Plant Model and Embedded Co-Simulation with ARM Platform	25-11-2020	7.50 Lakhs	<b>Completed</b>	CARS, VRDE (DRDO), A'Nagar  VRDE/21CR000	08 Months	

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<b>Year: 2021-2022</b>								
1	PI: Dr. D. N. Sonawane	Design and Development of Dynamic Non-Lienar Closed Loop Controller for LMV	11-04-2022	9.15 Lakhs	<b>Completed</b>	CARS, VRDE (DRDO), A'Nagar VRDE/23CR0001/UGS/VRD-72/PG-1 Date: 09/05/2022	06 Months	

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<b>Year: 2022-2023</b>								
1	PI: Dr. S. D. Agashe Co-PI: Dr. D. N. Sonawane and Mrs. M. A. Khandekar	Virtual Lab Project, Phase-III	23-12-2022	273.31 Lakhs	<b>Ongoing</b>	NMIECT, Ministry of Education IITD/VLAB/Dec.	04 Years up to March 2026	
2	PI: Dr. S. L. Patil Co-PI: Dr. A. S. Deshpande	BMS Algorithm Development: SOC, SOH and SOP	17-03-2023	21,90,320	<b>Ongoing</b>	HELLA India Automotive Private Limited	1.5 Years	
3	PI: Dr. D. N. Sonawane	Estimation of intelligent charging profiles for Li-Ion batteries	17-03-2023	18.70 Lakhs	<b>Ongoing</b>	HELLA India Automotive Private Limited	1.5 Years	

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<b>Year: 2023-2024</b>								
1	PI: Dr. D. N. Sonawane Co-PI: Dr. A. S. Deshpande, Mrs. K. A. Ghodinde	Low Flow Control with Proportional Valve	05-07-2023	11.03 Lakhs	<b>Ongoing</b>	Kohler Power India Private Limited	08 Months upto February 2024	