



List of Sponsored Research Projects at the Department of Applied Sciences

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2016-2017							
1	Applied Science	Real time biosensor Nano-device for detection and identification of multiple pathogens	Anup Kale	DST	AppSc/2016/AK/DST/153	24.94	Completed
2	Applied Science	Fabrication of a small satellite for monitoring radiations in different orbits of outer atmosphere where orbit maneuvering will be controlled by solar sail.	M Y Khaladkar	ISRO_UOP_STC	PU/ISRO-STC/1784 Dated: 30.05.2016	20.60	Ongoing

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2017-18							
		Nil					

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
		Nil					



Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2018-19							
1	Applied Science	Development of 3-D culture models and multifunctional bioengineered nanocarriers for drug delivery to Glioma	Anup Kale	COEP Alumni	COEP/2018/AAK/AlumniAssso/02	1.2	Completed

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2019-20							
		Nil					

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2020-21							

1	Applied Science	Demonstration of Solar Sail deployment system in space	M Y Khaladkar	ISRO_SIPO	Email communication dt 11/09/2020	--	Ongoing
2	Applied Science	Low dimensional TiO ₂ /CH ₃ NH ₃ PbI ₃ materials for enhanced stability of high voltage perovskite solar cell and	PI: Dr. G.L. Agawane Co-PI: Mrs. N.V. Iyer	COEP R&D	COEP/R and D/IDMRP/12-2	4.9	Ongoing



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		engineering its properties					
3	Applied Science	Employing remote sensing, high performance computing and machine learning algorithms for spatio-temporal analysis of mangroves for their effective management	PI: Dr. M.R. Shindikar	COEP R&D	COEP/R and D/IDMRP/12-5	4.8	Ongoing
4	Applied Science	Corrosion and Wear behavior of Biomaterials in Simulated Body Fluids	Co-PI: Dr. K.S. Suranje	COEP R&D	COEP/R and D/IDMRP/12-15	5.0	Ongoing

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2021-22							
1	Applied Science	Automated Computing collaborative creativity index for remote working teams	PI: T.J. Kher	COEP R&D	COEP/R and D/IDMRP/10	2.0	Ongoing

Sr. No.	Name of Department	Project Title	Co- Ordinator	Sponsoring agency	Sanctioned Letter No. and Date	Amount (RS. in Lakhs)	Whether Ongoing/ Completed
Financial Year 2022-23							
1	Applied Science	Study of effects of dopants on properties of ZnO nanostructures & their application for gas sensing & H ₂ generation	G.L. Agawane	COEP R&D	COEP/R&D/2022/IMRP/09	5.0	Ongoing
2	Applied Science	Identification & generation of the	Leena Jadhav	COEP R&D	COEP/R&D/2022/IMRP/0	4.92	Ongoing



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		figurative aspect of datasets & translate them into natural language			5		
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