



Walchand Institute of Technology, Solapur
(An Autonomous Institute)

Research projects

Year	Scheme	Title of Research Project	Faculty Coordinator	Status	Sanctioned Grant in Rs.
2024-25	Unify Dynamics LLC, USA	The design and development of a compact, battery-operated, voice-based interactive wearable device companion	Mr. R.S. Khamitkar Dr. S.R. Gengaje	Ongoing	5,00,000/-
2023-24	Seed Money	Sustainable concrete with mineral admixtures used for white topping.	Mr.C.G.Konapure	Ongoing	80,000/-
2023-24	Seed Money	Investigation of environmental effects by improvisation in durability of R.C deep beam by inclusion of hybrid fibers.	Mr.S.B.Javheri	Ongoing	75,000/-
2023-24	Seed Money	An IOT based Garbage Management System : Smart Dustbin	Dr. Mrs. A.M.Pujar	Ongoing	55,000/-
2023-24	Seed Money	Human Safety at Construction Site: An Image Processing Approach	Mrs. M.N.Shrigandhi	Ongoing	90,000/-
2023-24	Seed Money	Design of a Practical Crowd Sensing Framework for Building Geographic Information System to Tag Road Surface Anomalies with Prior Analytic Data Ingestion	Mr. S.N.Chamatgaudar	Ongoing	65,000/-
2023-24	Seed Money	Improving Dent facial expression and solving dental class II Malocclusion problem by using orthodontic aspect with infra zygomatic screw implant through analysis and improvement in design	Mr. P.G.Chitte	Ongoing	80,000/-
2023-24	Research grant by Savitribai Phule University, Pune,	Exploring the Challenges and Needs of Domestic Violence	Ms. D.D.Awasekar	Completed	1,00,000/-
2021-22	Seed Money	Improvement of Major Road Intersections in Urban areas by the use of Thin Whitetopping Technology (TWT)	Mr. A. N. Rajanavar	Completed	85,000/-

2021-22	Seed Money	Condition based maintenance of textile weaving loom	Mr. A. S. Gundale	Completed	1,00,000/-
2021-22	Seed Money	Counterfeit Medicine Authentication System Using Blockchain.	Mr. R. R. Konapure	Completed	84,000/-
2021-22	Seed Money	Synthesis and Characterization of Solid state metal complexes of Benzoin and Nitroaniline"	Dr. S.K. Sarsamkar	Completed	95,000/-
2020-21	The American Society of Heating, Refrigerating and	Design and Performance Evaluation of Hybrid Heat Exchanger Used in Thermal Energy Storage	Mr. G. B. Agalave	Completed	2,91,000/-
2020-21	Breakthrough Research Grant	Development of a solar based Thermal Energy Storage (TES) system using Phase Change Material (PCM) with reference to textile industry	Dr. B.B. Deshmukh	Completed	2,00,000/-

Year	Scheme/Organiza tion	Title of Research Project	Faculty Coordinator	Duration in Years
2021-22	Seed Money for Research by P.A.H. Solapur University, Solapur	Improvement of Major Road Intersections in Urban areas by the use of Thin Whitetopping Technology (TWT)	Mr. A. N. Rajanavar	2
2021-22	Seed Money for Research by P.A.H. Solapur University, Solapur	Condition based maintenance of textile weaving loom	Mr. A. S. Gundale	2
2021-22	Seed Money for Research by P.A.H. Solapur University, Solapur	Counterfeit Medicine Authentication System Using Blockchain.	Mr. R. R. Konapure	2
2021-22	Seed Money for Research by P.A.H. Solapur University, Solapur	Synthesis and Characterization of Solid state metal complexes of Benzoin and Nitro aniline"	Dr. S.K. Sarsamkar	2
2020-21	The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), USA	Design and Performance Evaluation of Hybrid Heat Exchanger Used in Thermal Energy Storage	Mr. G. B. Agalave	2
2020-21	Breakthrough Research by P.A.H. Solapur University, Solapur	Development of a solar based Thermal Energy Storage (TES) system using Phase Change Material (PCM) with reference to textile industry	Dr. B.B. Deshmukh	2

Sanctioned Grant in Rs
85,000/-
1,00,000/-
84,000/-
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2,91,000/-
2,00,000/-