

3) The following proposals were approved by the committee for inviting the detailed project proposals.

PPP No.	Project Title	Organization / Institution Name	Principal Investigator	CO-PI	Duration (Months)	Cost (Rs.)	Remarks
1	Fabrication of Thermally Insulated Silica Aerogels Containers for The Packing of Perishable Foods.	School of Physical Sciences, P.A.H Solapur University, Solapur.	Dr. Uzma.K.H. Bangi	Dr. Vipul Prakshale & Prof. Vikas B. Patil	24	5,00,000/-	Approved for inviting Detailed Project Proposal
2	Formulation and Evaluation of Anti Burning Foot Cream Exploring Vetiver Root Extract	School of Life Sciences, P.A.H Solapur University, Solapur.	1. Dr. Priya V. Ayyar. 2. Ms. Urvi.J. Patel	Prof. Vikas B. Patil	24	5,00,000/-	Approved for inviting Detailed Project Proposal
3	Development of High Impact Hybrid Fibre Reinforced Thermoset Polymer Composites by Vacuum Assisted Resin Transfer Moulding (VARTM)	School of Chemical Sciences, P.A.H. Solapur University, Solapur	Dr. A.A. Ghanwat	Miss. Savita H. Bansode	24	5,00,000/-	Approved for inviting Detailed Project Proposal
4	Development of Biocompatible / Biodegradable Polymer Scaffolds For Tissue Engineering Suitable for Clinical Studies	School of Chemical Sciences, P.A.H. Solapur University, Solapur	Dr. Vikas D. Kadu	Miss. Savita H. Bansode	24	5,00,000/-	Approved for inviting Detailed Project Proposal

5	Design, synthesis, and in-vitro Biological Evaluation of Novel combretastatin Analogues for their Cytotoxicity Against cancerous Blood Cell line	School of Chemical Sciences, P.A.H. Solapur University, Solapur.	Dr. Sadanand Narayanrao Shringare	Dr. Anjana Sanjay Lawand	24	5,00,000/-	Approved for inviting Detailed Project Proposal
6	Impact Study on The Adoption of Technology and Machinery in Horticulture Farming: Empowering Small and Women Farmers in Solapur District.	School of Social Sciences, P.A.H Solapur University, Solapur.	Prof. Gautam Kamble	Miss. Ashwini R. Pandhare	24	7,50,000/-	Approved with suggestion / modification for Detailed Project Proposal (1. Reduce budget to 5,00,000/- 2. Modify proposal by doing need assessment for region specific farm mechanization to identify challenges and way forward)
7	Design and Development of Cultural Powerhouse and Product Branding Scheme for Cillage Society	School of Social Sciences & School of Computational Sciences, P.A.H Solapur University, Solapur	1. Dr. P.N. Kolekar 2. Dr. S.D. Raut.	Mr. A. R. Shinde Dr. V. T. Humbe	30	10,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (Reduce budget to 5,00,000/-)

8	Utilization of Roselle Farm Argo-Waste for Development of Green Composite Material Suitable for Structural Application	Department, Mechanical Engineering N.B. Navale Sinhgad College of Engineering Kegaon, Solapur	Dr. Atik Mubarak Kazi.	Prof. A. A. Shaikh	24	2,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (Modify the proposal by using commonly available local fibres in the region)
9	Development of Mulberry Based Value-Added Products for Upliftment of Sericulture Farmers.	Centre for Research and Technology Developments, N.B. Navale Sinhgad College of Engineering Kegaon, Solapur	Dr. S.H. Pawar	Prof. B. J. Lokhande	24	6,50,000/-	Approved with suggestion / modification for Detailed Project Proposal (1. Reduce budget to 5,00,000/- 2. Include a regular faculty member as a COPI from the Institute. 3. Focus should be given on process development of extraction of market value addition product)

10	Enhancing Concrete Bricks Properties Through the Integration of Banana Fiber	Department of Civil Engineering SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur	Dr. Chetan.P. Pise Mr. Amol A. Kamble	-	24	5,00,000/-	Approved for inviting Detailed Project Proposal
11	IoT Based Soil, Water and Air Quality Monitoring System for Pomegranate Farming.	Department of Electrical Engineering SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur, Dist- Solapur.	Dr. A.O. Mulani.	-	24	4,90,000/-	Approved for inviting Detailed Project Proposal
12	Design, Optimization and Characterization of a Noisome-Based Topical Drug Delivery System for Treatment of Psoriasis.	Department of Pharmacy SVERI's College of Pharmacy, Gopalpur, Pandharpur,	Dr. Vrunal V.More	Mr. Pradip A. Jadhav	36	5,00,000 to 6,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (1. Reduce budget to 5,00,000/-. 2. Give details about method of drug as a allopathy/ayurvedic, etc.)

13	Electrical Crawler Vehicle for Agricultural Applications	Department of Mechanical Engineering SVERI's College of Engineering, Gopalpur, Pandharpur.	1) Dr Amarjit Prakashrao Kene 2) Meenakshi Mukund Pawar	-	24	10,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (Reduce budget to 5,00,000/-)
14	Herbal Practices and Resources of Venders in Solapur District of Maharashtra	Department of Botany, Santosh Bhimarao Patil Arts, Commerce & Science College, Mandrup.	Dr. Krushnadeoray Uddhav Garad	-	36	5,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (1. Modify proposal for preparation of botanical garden of identified herbal plants in PAH Solapur University. 2. Include COPI from School of Cosmetic Technology from PAH University)

15	Survey, Identification and Management of Root Knot Nematodes in Various Crop Plants in Western Zone of Maharashtra.	Department of Biotechnology, V.G. Shivdare College of Art, Commerce and Science, Solapur.	Dr. Anmol Basavaraj Valsange.	-	24	5,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (1. Project should include expert from Agricultural University, KVK etc for Agricultural background. 2. Specific crop should be selected from the region.)
16	Design and Manufacturing of back Pain Relief Mechanism for Manual Load Movement	Department of Mechanical Engineering Walchand Institute of Technology, (Autonomous Institute), Solapur	Dr. Narendra.S. Katikar	-	24	5,00,000/-	Approved for inviting Detailed Project Proposal

17	Design And Development of Bio-Mechanized Foot Prosthesis for Lower Limb Amputees.	Department of Mechanical Engineering Walchand Institute of Technology, (Autonomous Institute), Solapur	Dr. Sheelratan S. Bansode	-	18	5,00,000/-	Approved for inviting Detailed Project Proposal
18	Production of Nontoxic and Biodegradable Polyhydroxybutyrate (Bioplastic) From an Alkali-Halotolerant Bacillus Flexus MAA3 Using Agriculture Wastes.	Department of Bioinformatics Walchand College of Arts and Science (Autonomous), Solapur.	Dr. Anil Kumar.S. Katti.	-	30	5,00,000/-	Approved for inviting Detailed Project Proposal
19	Preparation of Nanochitosan Based Novel Materials for Medical, Agricultural and Environmental Uses.	Department of Biotechnology Walchand College of Arts and Science (Autonomous), Solapur.	Dr. Archana.S. Injal	-	30	5,00,000/-	Approved for inviting Detailed Project Proposal
20	Drone-Based Skill Enhancement for Competency Building and Entrepreneurial Spirit Development Amongst Students of Traditional Colleges in Maharashtra.	Department of Geography D.B.F. Dayanand College of Arts & Science, Solapur	Dr. Virabhadra C. Dande	-	24	5,00,000/-	Approved for inviting Detailed Project Proposal

21	Highly Selective and Sensitive Fluorescent Sensors for Detection of Explosives	Department of Chemistry D.B.F. Dayanand College of Arts and Science, Solapur,	Prof. Sidram Ramchandra Pujari	-	24	5,00,000/-	Approved for inviting Detailed Project Proposal
22	Isolation, Characterization and Nano Formulation Based on Phytoconstituents used in Management of Cancer.	Department of Pharmaceutics, D.S.T.S. Mandal's College of Pharmacy, Solapur	Dr. Shrishail M. Ghurghure	-	24	6,00,000/-	Approved with suggestion / modification for Detailed Project Proposal (Modify proposal by selecting specific plant, specific targeted cancer/ hormone)
23	Development of Large-Scale Extraction Method of Essential Plant Nutrient Form Plant Residue and its Use in Preparation Nano-Urea.	Department of Chemistry Dalit Mitra Kadam Guruji Vidnyan Mahavidyalaya, Mangalwedha,	Dr. Satish N. Pawar	-	18	4,50,000/-	Approved with suggestion / modification for Detailed Project Proposal (Make objective clearer by specifying the process of preparation of nano urea)

4) The following proposals were not approved by the committee.

PPP No.	Project Title	Organization / Institution Name	Principal Investigator	Co-PI	Duration (Months)	Cost (Rs.)	Remarks
1	Identification and Assessment of Micro Plastics (Mps) and Nano Plastic (Nps) In the Fresh Water Bodies: Solapur City Area.	School of Earth Sciences P.A.H Solapur University, Solapur.	Dr. Vinayak P. Dhulap	-----	24	4,29,000/-	Not Approved (PI is already handling a RGSTC project)
2	Positive Effects of Mass Media and Technology on The Graduate Students in Solapur City	School of Social Sciences P.A.H Solapur University, Solapur.	Dr. Prabhakar Kolekar	Dr. Ambadas Bhasake	36	3,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
3	Application of Transition Metal Organic Frameworks (MOFs) as Photocatalysts for Removing Textile Dyes from Textile Wastewater	School of Chemical Sciences P.A.H. Solapur University, Solapur	Dr. Anjana Sanjay Lawand	Mr, Dnyandev G, Bhosale Dr. Sadanand Shringare	24	5,00,000/-	Not Approved (PI is already handling a RGSTC project)
4	Fusion of Palm- print and Palm-Vein Biometrics for Person Recognition System	School of Computational Sciences P.A.H. Solapur University, Solapur	Dr. S.D. Raut	Dr. A. R. Shinde Dr. V. T. Humbe	24	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
5	Novel Theoretical Insights in soft Graph Theory.	School of Computational Sciences	Dr. Jyoti Dharmendra Mashale	-----	24	2,00,000/-	Not Approved

		P.A.H. Solapur University, Solapur.					(Objectives are not in accordance with RGSTC scheme)
6	Fabrication of High-Performance Sodium-Ion Batteries for Societal Applications	School of Physical Sciences P.A.H Solapur University, Solapur.	Prof. Balkrishna J. Lokhande	-----	24	5,00,000/-	Not Approved (Scope of the project is too vast and given budget is not justifiable)
7	Development of Retention for Soil Erosion in Agricultural Farming Using of Structural Precast Concrete Members.	Department of Civil Engineering N.B. Navale Sinhgad College of Engineering Kegaon, Solapur.	Dr. Pradeep P. Tapkire	Dr. R. S. Sathe	24	4,75,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
8	Design, Fabrication and Analysis of Silk Fibroin Nano-Composite Based Triboelectric Nano Generator for Smart Wearables.	Department of Mechanical Engineering N.B. Navale Sinhgad College of Engineering Kegaon, Solapur.	Dr. R.T. Vyavahare	Prof. S. T. Jagtap	24	4,90,000	Not Approved (Objectives are not in accordance with RGSTC scheme)
9	Design and Development of IoT Based Battery Monitoring System for Electrical Vehicles	Department of Electronics and Telecommunications, N.B. Navale Sinhgad College of Engineering Kegaon, Solapur	Dr. Siddharudha Shirgan. Mr. Shashikant Hippargi	-----	24	2,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)

10	Automated Vehicle Parking System	Department of Electronics and Telecommunications, N.B. Navale Sinhgad College of Engineering Kegaon, Solapur.	Prof. Ms. M.D. Mali	Prof. Dr. S. M. Jagade	24	3,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
11	Similarity Boundary Layer Flow of a Nano-Fluid	Department of General Science Engineering, N.B. Navale Sinhgad College of Engineering Kegaon, Solapur	Dr. Imran Mushtaque Ahmed Chandarki	-----	24	2,70,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
12	Precision Farming: Integrating Drone Technology, Location Data, Actuators, And AI For Sustainable Agriculture	Department of Computer Science Engineering, SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur,	Dr. Subhash Vitthal Pingale	Shri. Balkrushna B. Jagdale	24	5,20,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
13	Smart Immersion Water Heating System	Department of Electrical Engineering SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur, Dist-Solapur.	Smt. Anjali Ashank Chandane	Shri. Kondooru Shivashanker Shri. Nagnath V. Khandekar	18	60,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)

14	Smart Sanitary Napkin Vending Machine with Different Size and Brands	Department of Electronics SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur,	Dr. A.O. Mulani	-----	24	4,84,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
15	Experimental investigation and finding appropriate method for recycling and reuse of Electric Vehicle Batteries for rural development in India	Department of Mechanical SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur.	Dr. Somnath R. Koli Prof. R. K. Shinde	-----	36	10,00,000/-	Not Approved (PI is already handling a RGSTC project)
16	Effective Utilization of Energy Equipment for Energy Conservation and Socioeconomic Development of Rural Sector	Department of Mechanical SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur.	Prof. A. D. Jadhav Dr. B.S. Gandhare.	-----	36	75,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
17	Developing An Innovative Box Solar Cooker with Storage Attachment for Domestic Use in Rural Area	Department of Mechanical SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur.	Dr A.S. Aradhye Mr. H. S. Deshpande Mr. L. D. Joshi	-----	24	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
18	Building Integrated Innovative Non-Imaging Concentrating Solar Collector for Clean Cooking Under Low Sun Elevation	Department of Mechanical Engineering SPSPM'S SKN	Dr. S.G. Kulkarni	-----	24	5,05,000/-	Not Approved

		Sinhgad College of Engineering Korti, Pandharpur.					(Objectives are not in accordance with RGSTC scheme)
19	Reduction of microplastic pollution discharged from wastewater treatment plants into the aquatic environments of through integrated membrane separation process	Department of Electronics SPSPM'S SKN Sinhgad College of Engineering Korti, Pandharpur.	Mrs. Anjali Chetan Pise	Mr. Chetan P. Pise	24	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
20	Design and Development of Cost Effective Wearable Non-Invasive Glucose Sensors	Department of Physics, Santosh Bhimarao Patil Arts, Commerce & Science College, Mandrup.	Dr. Jyoti. D. Nadargi.	Prof. Vikas B. Patil	29	6,00,000/-	Not Approved (Extensive work has been carried out in this area)
21	Fully Green Nanocomposites Polymer Matrix for Agricultural Crops Storage Applications	Department of Chemistry, Santosh Bhimarao Patil Arts, Commerce & Science College, Mandrup.	Dr. Aslam Bashir Tamboli	-----	36	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
22	Innovative Hoarding Structure: Redefining Banner Installation and Wind Resistance with Reference to Safety.	Department of Mechanical Engineering Walchand Institute of Technology,	Dr. Siddheshwar.B. Tuljapure	-----	17	4,50,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)

		(Autonomous Institute), Solapur.					
23	Status of the freshwater Pearl Culture in Solapur District	Department of Zoology, Walchand College of Arts and Science (Autonomous), Solapur.	Dr. Megha.O. Mulajkar.	-----	30	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
24	Pomegranate Peel as a Source of Bioactive Compounds for Industrial Use	Department of Biotechnology, Walchand College of Arts and Science (Autonomous), Solapur.	Dr. Vaishali A. Gargade.	-----	24	5,00,000/-	Not Approved (Extensive work has been carried out in the area)
25	Enhancement of Supercapacitor Performance Using Nanostructured MXenes And Metal Oxide Hybrids for Advanced Energy Storage.	Department of Physics, Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi.	Dr. Rajkumar M. Mohite.	-----	24	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
26	Extraction of Celluloses from Peels of Various Fruits and Application of Extracted Cellulose as Pharmaceutical Excipien: A Waste to Wealth Approach.	Department of Pharmacy D.S.T.S. Mandal's College of Pharmacy, Solapur	Dr. Yogesh Shripad Thorat	-----			Not Approved (Extensive work has been carried out in the domain)

27	Improve the first food value by fish culturing method to get nutrient without toxicity to consumption nearby Bhima River Tq. Mangalwedha	Dalit Mitra Kadam Guruji Vidnyan Mahavidyalaya, Mangalwedha	Dr.Savita.V. Jadhav	-----	12	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
28	Design and Synthesis of Novel Phenyl azo 2- Naphthol Derivative as Mycobacterium Tuberculosis Agents	Department of Chemistry, C.B. Khedgi's Basaveshwar Science, Raja Bijaysinh Commerce & Raja Jaysinh Arts College Akkalkot,	Dr. Vithtal .B. Makane	-----	24	5,00,000/-	Not Approved (Extensive work has been carried out in the domain)
29	Synthesis and Characterization of Catalyst Mixed Ferrite Nanoparticles	Department of Chemistry, C.B. Khedgi's Basaveshwar Science, Raja Bijaysinh Commerce & Raja Jaysinh Arts College Akkalkot,	Dr. Laxman. A. Dhule	-----	24	5,00,000/-	Not Approved (Objectives are not in accordance with RGSTC scheme)
30	Automated Responsive Layout Correction and Media Query Generation for Legacy Websites	Department of E & TC Walchand Institute of Technology, Solapur	Shri. Abhijit V. Mophare	Shri. Ravikant S. Khamitkar	24	3,10,000/-	Not Approved (No Novelty)

31	Judgement Prediction using Deep Learning Model with Feature Optimization in Land Litigations.	Department of E & TC Walchand Institute of Technology, Solapur	Dr. Mrs. Rupali J. Shelke	Mrs. Priyanka V. Katare	12	1,50,000/-	Not Approved (No Novelty)
32	AI IoT-Enabled Health Monitoring Kiosk for Rural Healthcare	Department of E & TC Walchand Institute of Technology, Solapur	Shri. Ravikant S. Khamitkar	Shri. Abhijit V. Mophare	24	3,80,000/-	Not Approved (No Novelty)
33	Neutral -earth voltage monitoring in textile industry: A continuous approach for safety and operational efficiency of machinery.	Department of E & TC Walchand Institute of Technology, Solapur	Dr. Ajit Shridhar Gundale	-----	09	75,000/-	Not Approved (No Novelty)

- 5) The committee decided to invite the detailed proposals up to 17/01/2025 and further after receipt of the reviewers' comments, detailed presentation will be organized tentatively on 29/01/2025. It was decided that meanwhile the reviewers' comments will be communicated to the PIs and PIs can submit response and modifications on the day of presentation.