

Intra-Mural Grants Report 2019- 2024

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**RAMAIAH UNIVERSITY OF APPLIED
SCIENCES**

April 8th 2025

Compiled by the Office of Research and Innovation



Seed Funding at MSRUAS - Summary

MS Ramaiah University of Applied Sciences is committed to excellence in research across diverse disciplines, from groundbreaking discoveries in health sciences and engineering sciences across 8 Faculties, 2 Schools and 3 Constituent Colleges. The University motivates research via generous intra-mural grants to enable early career researchers to start their research and provides a platform to seed their preliminary research activities. This 'seed' funding is intended to provide an instant platform within the University as they set their career in research, and serves to engage new faculty with students, apply for extra-mural grants, via experimental work, simulations and modeling and data analytics, to help procure hardware, consumables, software, characterization, among others.

This funding is given for research projects with a duration of One year, which can be extended up to Two years. The seed funding initiative started in 2019, with **seven young faculty members** being benefited with a overall grant of **2.01 lakh rupees**. The overwhelming output from this initiative led to a gradual increase to nearly **forty-five projects (45)** being funded in **2024-2025** financial year, to **135 Lakh rupees**, benefitting nearly **120 principal investigators (PIs)**. The total seed funding at RUAS over the recent 5 years from 2019-2025 is of the order of **427 Lakh rupees (4.27 crores)**, covering **151 projects**, with around **330 students** having had the opportunity to carry out research, in fundamental and applied research. **Table 1** gives a summary of the 'seed' funding over the last 5 years along with the number of projects executed. **Table 2** gives a summary of the faculty wise distribution of funding in 2023-2024 and 2024-2025 financial years, **covering 13 faculties and over 30 departments**. This led to nearly **87 peer reviewed** journal publications, **8 patents** and **nearly 30 pieces of small and large capital equipment** were procured by the faculty members. **Table 3** lists some of the key outcomes via the seed grants. Some of the notable publications that resulted from the seed funding is listed in **Table 4**. These projects also led researchers to obtain half a dozen sponsored research projects from SERB, DST, DBT, ICMR and other funding agencies. Capital equipment such as the 3D printer, AI enabled stethoscope, Digital BP apparatus, inverted Trinocular phase contrast microscope, variety of incubators, pH meter, weighing balances, vortex machine and water bath, along with over two dozen small pieces of equipment for daily experimentation, as well as 3-4 software's were enabled using the seed functioning. **Table 5** lists some of internal assets that were enabled by this intra-mural MSRUAS grants. The principal investigators also had an opportunity to present their work and interact with experts in their fields via conference presentations, workshops, faculty development programs. The Annexures list all the Intra-mural grant projects at MSRUAS.



Table 1 Intra-mural Funding at MSRUAS

Financial year	Funding (Lakhs)	No .of Projects
2019-2020	2.07	7
2020-2021	1.76	6
2021-2022	0.3	1
2022-2023	25.33	11
2023-2024	262.04	81
2024-2025	135.14	45

Table 2 Faculty wise number of Projects and Seed Funding

Faculty	2023- 2024		2024-2025	
	Number of Projects	Funding (In Lakhs)	Number of Projects	Funding (In Lakhs)
Natural Sciences	12	40.13	1	4.05
Dental Sciences	9	19.99	8	24.67
Enginerring and Technology	16	68.11	10	34.15
Pharmacy	6	15.87	6	19.68
Life sciences and allied health Sciences	13	44.79	3	14.91
Management and Commerce	3	9.00	3	9.0
College of Physiotherapy & Faculty of Hospitality Management	6	21.57	1	2.54
Institute of Nursing and Research	6	5.65	4	3.06
Ramaiah Medical College	8	29.32	5	8.21
Art and Design	2	7.61	1	3.0
School of Social Sciences	-	-	3	11.87



Table 3: Outcomes from the Intra-mural seed funding at MSRUAS

Year	Publications	Applied Patents	Student engagement (UG/PG/Phd)
2023-24	18	5	110
2024-25	5	3	56

Table 4 Some of the Key Publications that resulted from the Intra-mural Grants

Name of the PI	Name of the Publication	Impact factor
Dr. Darshan K.P	Journal of Material Chemistry A	10.7
Dr. Raj Kumar Biswas	Physica Scripta	2.6
Dr. Ashwati Hegde	Environmental science Pollution research	5.8
Dr. Sweety Jagmade	International Journal of Hospitality and Tourism Systems,	0.99
Dr. K Prashanthi	Journal of bimolecular structure and dynamics	3.2
Dr. K Prashanthi	Drug discovery today	8.2
Dr. Sandhya .V	Beyond crystals:	2.1
Dr. Deveshwaran	European Journal of Medical research	2.9
Dr. Parausuram	Drug research	1.7
Dr. Nayana Patel	Proceedings, Elsevier: Materials Today	3.3
Dr. Harshad .R Parate	International journal of Multidisciplinary and Growth research	6.7



Dr.Ankita Sharma	ITM Web of Conferences EDP Sciences	5.4
Dr. Bhavana .S	International Journal for Scientific Research and Development (IJSRD).	4.4
Dr.Dayananda	International journal of multidisciplinary research and analysis,	8.0
Dr.Varun	2022 IEEE North Karnataka Subsection Flagship International Conference, India	3.4

Table 5 List of equipment that were procured from the Intra-mural funds

Serial no	Name of the PI	Faculty	Name of equipment
1	Mr. Yogeendra Prabhu	RINER	Nursing training Mannequin-Unisex Half body CPR training Mannequin-Adult
2	Mrs. Latha U S	RINER	Breast feeding baby doll puppet set with Breast model
3	Dr. Sonali Jadhav	RINER	AI enabled stethoscope (1) Digital BP apparatus (10) Stadiometer (10) Digital weighing scale (10)
4	Mrs. Sangeetha X	RINER	Mama Birthie-1
5	Mrs.Ramya.S.N	RINER	Advanced Nursing And Wound Care Manikin Male
6	Mrs.Vidya.B.S	RINER	Software-ATLAS its (Annual subscription)
7	Dr Swati Sinha	FLAHS	Pipette -2
8	Dr Rohini Keshava	FLAHS	Rotatory Evaporator
9	Dr Soma Chaki	FLAHS	Inverted Trinocular Phase contrast Microscope
10	Dr Prashanthi Karyala	FLAHS	Laptop
11	Dr.Hanumantharaju K N	FLAHS	Tensile testing machine



12	Dr. M. Rajadurai	FLAHS	1. Refrigerator 2. Eight channel variable pipette (2 - 20 microliter) 3. Multiparameter pH & conductivity meter
13	Dr. Anusha MB	FLAHS	1. Water bath 2. Heating mantle 3. Bacteriological incubator 4. Rocker 320 Electric burner 5. Vortex machine 6. pH meter 7. Weighing balance
14	Dr David H E	FLAHS	1. Shimadzu precision balance 2. pH meter 3. Magnetic stirrer with hot plate
15	Dr. Nirmal Singh	FMC	E-Views 4 License
16	Dr. Sweety Jamagade	FMC	SMART PLS
17	Ms. Shilpa R.G	FMC	Banxia Frontier Analyst: DEA (500 unit)
18	Dr. Dayananda	FET	Software scar removal
19	Bala Vignesh	FAD	3d printer
20	Dr. Srinivasa Padala	FET	360 degree camera
21	Dr. Gowri	FHP	Rotary evaporator
22	Dr, Tanmoy Ghosh	FHP	Lyophilizer



Annexure 1: Seed Funding for the year 2023-24

FACULTY OF PHARMACY

No .of faculty	No of projects	Amount sanctioned
6	6	1587000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Sandhya K V	1 Year	Repurposed Drug Loaded Metal Organic Framework targeting a GPCR Against Breast cancer Nanoparticles	03/07/2023	03/06/2024	250000	54437.8
Dr R Deveswaran	1 Year	Effect of Trimolol on Retinal Ganglion Cells and Muller Cells in Increased Intraocular	03/07/2023	03/06/2024	280000	63556
Mr Damodar Nayak	1 Year	Exploring Principles of Marine Algae as a Radio Protector	03/07/2023	03/06/2024	258000	13071
Dr Sharon Furtado	1 Year	Development of toothpaste Containing Proanthocyanidin for Diabetic Population	03/07/2023	03/06/2024	250000	182,113



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Parasuraman P	1 Year	Folate receptor targeted bovine serum albumin/ polyethylenimine 4 - amine derivative for treatment of Breast Cancer	03/07/2023	03/06/2024	299000	9591
Dr Aswathi R Hegde	1 Year	Formulation development and performance evaluation of Novel sunscreen creams containing Hesperidin liposomes	11/11/2022	11/10/2023	250000	CLOSED



RAMAIAH COLLEGE OF PHYSIOTHERAPY

No .of faculty	No of projects	Amount sanctioned
6	6	2157000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Veena Kiran Nambiar	1 Year	Effects of Exercise based cardinal Rehabilitation on heart rate Variabilities	03/09/2023	03/06/2024	6.58000	681537
Mrs Soni Srikanth	1 Year	Association Between Autonomic of Pain Variables in Individuals with Non Specific Neck pain	03/09/2023	03/06/2024	54000	18089
Dr V Sudar Kumar	1 Year	Effect of Morning Versus Evening Exercise on Fat Oxidation During Moderate Intensity Aerobics	03/09/2023	03/06/2024	287000	301,824
Dr Nanda Kumar S	1 Year	To Assure Muscle Strength among pre-Menopausal	03/09/2023	03/06/2024	371000	182,113



Name of PI	Project Duration	Project title	Start Date	End Date	Amount Sanctioned	Balance amount As of 31 st march
Ms Kirti Joshi	1 Year	Translating Evidence into Article	03/09/2023	03/06/2024	332000	71935
Ms Diana Rodrigues	1 Year	A Study of Quadriceps Muscle Strength with Select Biomarkers among Individuals with Obstructive Airway Disease	03/09/2023	03/06/2024	455000	124,379



FACULTY OF ENGINEERING AND TECHNOLOGY

No .of faculty		No of projects			Amount sanctioned	
16		16			6811000	
Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Anitha Kumari	1	Experimental Study on Modified Soil using Bagasse Ash and Fly Ash	03/07/2023	03/06/2024	500000	157053
Dr Chethan Gowda	1	Gamma Radiation Shielding and Thermal properties of High Density Conventional and Geo Polymer Concrete	03/07/2023	03/06/2024	500,000	39991
Dr Harshad R Parate	1	Porous Asphalt Concrete of Sustainable Infrastructure	03/07/2023	03/06/2024	300000	85004
Dr Jayahar Sivasubramanian	1	Experimental and Theoretical Investigation of Hypersonic Ablation	03/07/2023	03/06/2024	500000	91294
Dr Mahesh k Varpe	1	Experimental Investigation of a Passive Flow Control on the Aero Dynamic Performance of a Blade	03/07/2023	03/06/2024	500000	522162
Dr Manickavasa gam	1	Design and Development of Miniaturized Conical Shaped Electromagnetic Energy	03/07/2023	03/06/2024	399,000	6687



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Manickavasagam	1	Design and Development of Wireless power transmission System using High Frequency power Converter	03/07/2023	03/06/2024	269000	6687
Dr Nayana Patil	1	Evaluation of Strength durability Characteristics with Micro Structure Analysis of Self-healing, self-Consolidation Geo Polymer Concrete	03/07/2023	03/06/2024	225000	11783
Dr Raja R	1	Design and Development of Race Vehicle for SUPRA SAE 2023 Competition	03/07/2023	03/06/2024	500000	12838
Dr Shashank Vadlamani	1	Stochastic Modelling and Analysis for Functional Graded Beams	03/07/2023	03/06/2024	350000	59.00
Dr Shreyanka Subbarayappa	1	Development Analysis of Social Internet of Things using Extended Gossip Protocol	03/07/2023	03/06/2024	428000	337079.9
Dr Sivapragasam	1	Large Eddy Simulation of Transitional Flow over an Air Foil at Low Reynolds number	03/07/2023	03/06/2024	350000	37739



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr A T Sirram	1	Development Demonstration of Hall Thruster	03/07/2023	03/06/2024	500000	19000
Dr Sunil Y	1	Designing the Wireless EPG to Monitor Articulatory Defects in Kannada Speaking AAC	03/07/2023	03/06/2024	500000	525912
Mr Bhargav	1	Model - 1 Delamination Growth Behaviours in CFRP	03/07/2023	03/06/2024	219000	1,501
Dr Gopalakrishna	1	Design , Development and communication of open jet Facilities	11/11/2022	11/10/2023	271000	394



FACULTY OF ART AND DESIGN

No .of faculty	No of projects	Amount sanctioned
2	2	761000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Mr Lohit HS	1 year	Genetic polymorphism of LOXLI and their Association	03/07/2023	03/06/2024	261000	58414
Dr Mamatha G Hegde	1 year	Rejuvenation of traditional handloom weaving and development of innovation Contemporary loom	03/07/2023	03/06/2024	500000	46995



FACULTY OF DENTAL SCIENCES

No .of faculty	No of projects	Amount sanctioned
9	9	1990000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr N Rakesh	1	Comparative analysis of Salivary Volatile Organic Compounds in Patients with Chronic liver Disease and Healthy Individuals	03/09/2023	03/6/2024	137000	138165
Dr Sylvia Mathew	1	Development and Characterization of a Local Drug Delivery system for disinfection and regeneration in Endodontics	03/09/2023	03/6/2024	300000	8619
Dr Indiresha H Narayana	1	Comparative Study of Proliferative Effect of Human Adult Peripheral and Umbilical Cord Blood Platelet- Rich Fibrin Enhanced with Gold Nanoparticles on Human Dental Pulp Stem Celk	03/09/2023	03/6/2024	91892	CLOSED



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Chatura Mohan	1	Assessment of the biocompatibility and anti-oxidant property of a Cissus quadrangular is-based novel intracranial medicament	03/09/2023	03/6/2024	180000	CLOSED
Dr Kora Ramya Reddy	1	Evaluation of antimicrobial property of Natural C- Dots in extraction sockets	03/09/2023	03/6/2024	220000	9744
Dr Bhavya B	1	Assessment of a novel Plant ago Ovata mucoadhesive mucilage dressing for wound healing	03/09/2023	03/6/2024	200000	CLOSED
Dr Sowmya S V	1	Evaluation of Protein and gene expression of CADM1 and CRTAM in metastatic oral squamous cell carcinoma arising from gingivobuccal sulcus of smokeless tobacco Chewers	03/09/2023	03/6/2024	300000	26254
Dr Greeshma C	1	Development of a Novel bio polymeric Nano micelle for targeted drug delivery- an in-vitro study	03/09/2023	03/6/2024	250000	12285



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Kavitha Prasad	1	Estimation of Protein and Gene expression of HOXD 10 and DACT- 2 for Oral Squamous cell carcinoma (OSCC) related to smokeless tobacco consumption and their clinic pathological correlation	03/09/2023	03/6/2024	320000	6710



FACULTY OF LIFE AND ALLIED HEALTH SCIENCES

No .of faculty	No of projects	Amount sanctioned
13	13	4469000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Prasanthi	1	Exploring the Role of DUBs in Chemo resistance	03/07/2023	03/06/2024	450000	32349.79
Dr Soma Chaki	1	Development and Characterization of patient Derived cell Culture Model System From Oral Cancer Patient	03/07/2023	03/06/2024	475000	108478
Dr M Rajadurai	1	Development of fermented Millet based Health Beverage with Improved Antioxidants	03/07/2023	03/06/2024	490000	92079
Dr Hanumantharaju K N	2	Development of Edible Biopolymer packaging Material for Primary Packing of Food	03/07/2023	03/06/2024	458000	94,893
Dr Rohini Keshava	1	Stress Tolerance in Plants	03/07/2023	03/06/2024	450000	CLOSED
Dr Tushar Shaw	1.6	Development and Evaluation of a Loop-Mediated Isothermal Amplification Combined with a Lateral Flow Assay for Rapid	14/01/2022	13/6/2024	300000	28,373



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Chennappa G	1	Development of Azotobacter Sp. Based Anti-Mycotic Product for the Management of Mycotoxin genic Fungal Contamination in Cereals	14/01/2022	13/1/2024	260000	4736.00
Ms Yogitha Bhat	1	Influence of Processing on Protein Digestibility and Mineral Bio accessibility with Special Emphasis on Preconception Nutrition	14/01/2022	13/1/2024	200000	960.00
Dr Ausha M B	1.6	Formulation of Ready to Cook Composite Mix for Rural Women to Aid Preconception Nutrition	14/01/2022	13/6/2024	210,00	25829.8
Dr David H E	1	Development of Novel Synbiotic Formulation targeting Improved Bioavailability of Calcium in Young Women	14/01/2023	13/01/2024	265000	CLOSED
Dr Sandhya Sankaran	1	Bioinformatics Approaches to identify and Predict Functional Residues of Toxin-antitoxin System in Pathogenic Bacteria	14/01/2023	13/01/2024	321000	CLOSED



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Swati Sinha	1	Identification of Drug Targets and Analysis of Small Molecules for Amelioration of Apoptosis Resistant Cancers	06/12/2022	05/12/2023	300000	CLOSED
Dr Debsish Kar	1	Molecular Characterization of Putative DD-Carboxypeptidase s of Klebsiella Pneumoniae	06/12/2022	05/12/2023	300000	15,928



FACULTY OF MANAGEMENT AND COMMERCE

No .of faculty	No of projects	Amount sanctioned
3	3	900000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr G Devakumar	1	Development Model to Explore the impact of destination branding with respect to consumer based brand equity	03/07/2023	03/06/2024	300000	2644
Dr H S Srivatsa	1	“Modelling Factors influencing Human Organ donation”	03/07/2023	03/06/2024	300000	271408
Ms Shilpa R G	1	Benchmarking of Smart Library Management System in Higher Education Institutions”	03/07/2023	03/06/2024	300000	101505



FACULTY OF NATURAL SCIENCES

No .of faculty	No of projects	Amount sanctioned
12	12	4013000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Ravikumar B S	1	Exploration of Novel Hybrid Nanostructure Materials towards Gas Sensing application	03/07/2023	03/06/2024	500000	70285
Dr Vikas M Shelar	1	Spectroscopic Characteristics Of Plasma Plume for Hall Thruster Applications	03/07/2023	03/06/2024	470000	75899
Dr N Manikanda Prabhu	1	Phytogenic Synthesis and Functionalization of Iron Oxide Nano Particles Prepared Using Bio Waste/ Chemical agents for the Treatment of Environment Contaminants	03/07/2023	03/06/2024	500000	47202
Dr Jyotsna Kumar	1	Synthesis of Novel Stillbenoid Derivatives to Evaluate their Anti- Breast Cancer activity: Their Designing and In Silico Studies	03/07/2023	03/06/2024	500000	87359



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Sheetal Bhatkurki	1	Synthesis of Heterobimetallic based Metal Organic Frameworks (PdCu BZT-H2ATA MOF) for Suzuki-Miyaura Cross Coupling Reaction	03/07/2023	03/06/2024	500000	240955
Dr Prabhu Tej	1	Enhanced Absorption Spectroscopy Using Single Mode Non-Classical Light	03/07/2023	03/06/2024	255000	126410
Dr Rashmi B J	1	Experimental Study on Modified Soil using Bagasse Ash and Fly Ash	14/01/2022	13/01/2023	160000	57151
Dr Priyanka K.P	1	Synthesis and Characterization of Engineered Nano Titania as an Additive in Coating Applications	14/01/2022	13/01/2023	500000	240955
Dr Mallikarjunai ah K J	1	Synthesis and Study of Technologically Important Magnetic Materials and Design and Fabrication of the Internal Field Nuclear Magnetic Resonance (IFNMR) Spectrometer	29/1/2022	28/01/2023	300000	300615



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Shivanand Madolappa	1 year	Lead Free ABO ₃ Perovskite Materials for Energy Storage Application	14/01/2022	13/01/2023	98000	98000
Dr Raju Kumar Biswas	1 year	Exploring Carrier Transport Properties of WSe ₂ (1-x)Te _{2x} Super lattices for thermoelectric and optoelectronic applications through first-principles approach and Boltzmann Transport theory	11/11/2022	11/10/2023	340000	Account closed
Dr Darshan G P	1year	Photocatalytic Strategy of Single-atom Loaded Bismuth based complex Systems for Degradation of Organic Pollutants and Water Splitting	11/11/2022	11/10/2023	250000	12061



RAMAIAH INSTITUTE OF NURSING AND EDUCATIONAL RESEARCH

No .of faculty	No of projects	Amount sanctioned
6	6	565000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Mrs Latha U S	1	Effect of breast feeding peer Counselling Program to elderly women on Breast Feeding Practices of mothers and growth of Infants	03/07/2023	03/06/2024	60000	1743
Ms Kusum Gurung	1	Efficacy of one session brief intervention & telephonic contact for Suicide Prevention	03/07/2023	03/06/2024	55000	2607
Dr Sonali Jadhav	1	Identification of risk factors and strategies for risk factor mitigation for Non Communicable Disease (NCD) prevention among pre-school children	03/07/2023	03/06/2024	170000	4875
Mr Yogeendra Babu	1	Evaluation of the implementation of nursing process by the Nurses at Ramaiah hospitals, in a	03/07/2023	03/06/2024	150000	157748



		view to develop a training module				
Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Mr Ganga Prasad	1	Effect of Yoga practice on primary Dysmenorrhea among adolescent girls	03/07/2023	03/06/2024	50000	52584
Ms Sunaya Ghosh	1	Effectiveness of Structured teaching programme on Knowledge and practice regarding Breast self-Examination (BSE) among adolescent girls in selected colleges Bangalore	03/07/2023	03/06/2024	80,000	282.00



RAMAIAH MEDICAL COLLEGE

No .of faculty	No of projects	Amount sanctioned
8	8	2932000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr Anupama V Hegde	1	"Clinical and Genetic Correlation of Patients with Long COVID having Cardiovascular Complications"	03/07/2023	03/06/2024	449000	470718
Dr Deena Patil	1	Androgen Gene Polymorphism and its Phenotypic expression in premature androgenic alopecia"	03/07/2023	03/06/2024	500000	129122
Dr Prarthana Karumbaiah	1	"Effect of Music Therapy on Cognitive and Emotional Development of Preterm Infants"	03/07/2023	03/06/2024	255000	5917.19
Dr D Pragati Rao	1	" Clinico - Epidemiological correlation with genetic determinants for long COVID with respective pulmonary complication"	03/07/2023	03/06/2024	455000	129170



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Mr Shivaraj NS	1	Leveraging Geographical Information Systems for Health Research in Non-Communicable Diseases Among Urban and Rural Communities”	03/07/2023	03/06/2024	373000	149318
Dr Thanuja G Pradeep	1	“An epidemiological study of the prevalence of eye diseases in rural india and exploration of the feasibility of a teleophthalmology model to deliver eye care services to the rural population”	03/07/2023	03/06/2024	420000	1818.36
Dr.M.S Venkatesh	1	Tissue Oxygen Saturation Flap Monitoring Device	03/07/2023	03/06/2024	180000	8069
Dr Ananth Bhardary	1	Genetic Polymorphisms of LOXLI and their Association with changes in Aqueous Proteomics in cases with and without Psedoexfoliation	03/07/2023	03/06/2024	300000	7783



Annexure 2: Seed Funding for the year 2024-25

FACULTY OF PHARMACY

No .of faculty	No of projects	Amount sanctioned
6	6	1968000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31st march
Shwetha K	1.5 yrs	A multifunctional, biomimetic, bilayered Piscean collagen scaffold to combat diabetic wound healing	07/02/2024	06/07/2025	350000	320641
Dr. M. K. Yuvapriya	2 years	Engineering Denovo anticancer peptidomimics and probing mechanism of action	07/02/2024	06/02/2026	298360	139250
Dr. R. Gowri	2 Years	Preparation and Evaluation of Hesperidin Nano Spanlastics as Nasal insert for the treatment of Glioblastoma	07/02/2024	06/02/2026	350000	94768



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Lakshmi M. Sundar	2 Years	Phytochemical Profiling of Extract and Fractions of Papaya Leaves by HPTLC and HPLC methods for standardization	07/02/2024	06/02/2026	300000	167951
Mrs. Ashwini Somayaji	1.5 Year	Evaluation of senolytic activity of Epigallocatechin gallate incorporated Hydrogel in chronic wound animal model	07/02/2024	06/02/2025	320100	111580
Dr. Tanmoy Ghosh	2 Years	Peptide hormoneenriched carboxymethyl chitosan scaffolds for synergistic wound healing: An investigational study	07/02/2024	06/02/2026	350000	124452



FACULTY OF MANAGEMENT AND COMMERCE

No .of faculty	No of projects	Amount sanctioned
3	3	900000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Usha N	1 Year	Growth Analysis and Benchmarking of Higher Education Institutes using NIRF Framework to Enable Policy Decision	07/02/2024	06/02/2025	300000	300000
Dr. Nirmal Singh	1 Year	Risk Implications of Income Diversification: Insights from the Indian Banking Industry	07/02/2024	06/02/2025	300000	300000
Dr. Sweetie Jamgade	1 year	“Development of Model to Explore the impact of destination branding with respect to consumer based brand equity: An Exploratory Study on Community based Tourism at Kaiwara, Karnataka”	07/02/2024	06/02/2025	06/02/2025	300000



FACULTY OF HOSPITALITY AND MANAGEMENT

No .of faculty	No of projects	Amount sanctioned
1	1	304000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Ankita Sharma	1 year	Cultivating Financial Wellness: Investment Avenues Pertaining to pension and Retirement Fund Performance offered by private Educational Institutes in Bangalore	07/02/2024	06/02/2025	304000	254000



FACULTY OF LIFE AND ALLIED HEALTH SCIENCES

No .of faculty	No of projects	Amount sanctioned
3	3	1491000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Madhusudhan Nayak C	2 year	Development of Process technology for production of instant simarouba glauca L. decoction powder	07-02-2024	06/02/2026	491000	397246
Mr. Shivanand B Savatagi	1 year	Exploring the Feasibility of Integrating self-care practices under RBSK program for strengthening primary healthcare at community level in southern Karnataka: A qualitative study	07-02-2024	06/02/2026	500,000	500000
Dr. Bhavana S	2 year	Development of nutraceutical formulation using microgreens to combat anaemia	07-02-2024	06/02/2026	500,000	450000



FACULTY OF DENTAL SCIENCES

No .of faculty	No of projects	Amount sanctioned
8	8	2467000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31st march
Dr.Tarini	1 year	Prediction of periodontal regeneration in vertical bone defects using artificial intelligence	07/02/2024	06/02/2025	200,000	1210
Dr.Lalitha	1 year	Maternal environment exposome during pregnancy and its effects on the composition of enamel of primary teeth in children with and without dental caries – A case control study	07/02/2024	06/02/2025	305,000	230000
Dr.Karishma	1 year	Formulation and characterization of a novel MTA based dental implant coating and evaluation of its osteogenic potential	07/02/2024	06/02/2025	329,876	128346
Dr.Shwetha KM	1 year	Oral health promotion through change	07/02/2024	06/02/2025	311,000	208227



		agents using e-dantasuraksha seva				
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Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr.Harishtha	1 year	Development if injectable mixture of autogenous bone graft for socket preservation and characterization of the bone formed	07/02/2024	06/02/2025	301,800	100907
Dr.Nirajitha	1 year	Diagnostic biomarkers in gingival crevicular fluid for detection of orthodontically indused root resorption	07/02/2024	06/02/2025	280,000	262666
Dr.Dominic	1 year	Development of a prognostic risk prediction model for oral squamous cell carcinoma using combined clinic histopathological , molecular and survival analysis – A pilot study	07/02/2024	06/02/2025	438960	334758
Dr.Sejal	1 year	Use of buccal fat pad derived stem cells cultured for repair of cystic defects	07/02/2024	06/02/2025	300000	300000



FACULTY OF ENGINEERING AND TECHNOLOGY

No .of faculty	No of projects	Amount sanctioned
10	10	3415000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Subarna Chatterjee	1 year	Crowd Sourcing data for landslide inventory and prediction of landslide events using Machine learning Techniques	07/02/2024	06/02/2025	230500	153624
Dr. T Christy Bobby	1 year	Development of AI model for early detection of Primary open angle glaucoma	07/02/2024	06/02/2025	419600	105500
Dr Kiran kumar .B	1 year	Design and Development of an autonomous solar powered AI based bot for weed and trash collection in aquatic environments	07/02/2024	06/02/2025	314832	314832
Dr. Ugra Mohan Roy	1 year	Development of deep learning based tunable integrated opto electronic oscillator and its parametric studies	07/02/2024	06/02/2025	500000	500000



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Dayananda B S	1 year	Studies on collaborative Robot (Co-Bot) Applications for Dermatology Therapies	07/02/2024	06/02/2025	243,800	17804
Dr. Jyothi A P	1 year	Driver Health Monitoring enabled smart cabin using Machine Learning	07/02/2024	06/02/2025	206423	95780
Dr. Nayana B R	1 year	An empirical study of intelligent algorithms to optimize the architectural design of an EV battery pack in multivariant environmental, multifaceted parameters	07/02/2024	06/02/2025	289643	289643
Dr. S P Sreenivas Padala	1 year	Digital Twin-based Real Time Construction Project Progress Monitoring System	07/02/2024	06/02/2025	290,025	611.00
Varun D	1 year	Investigation and Development of a Novel Substrate Integrated Waveguide Subsystems for Low range C/X band radar	07/02/2024	06/02/2025	500000	0



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. S. Nagaraja Rao	1 year	Design and Development of Control Techniques for Solar powered water pumping system driven by SRMs Applicable	07/02/2024	06/02/2025	420000	420000



FACULTY OF NATURAL SCIENCES

No .of faculty	No of projects	Amount sanctioned
1	1	405000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Shankara Narayan	1 year	Investigation of Biochemical processes trailing the farmation of stenosis through mathematical model	07/02/2024	06/02/2025	405000	405000



FACULTY OF ART AND DESIGN

No .of faculty	No of projects	Amount sanctioned
1	1	300000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr.Bala Vignesh	1 year	Effectiveness of using AI technological application & 3D printing in enhancing creativity among designers	07/02/2024	06/02/2025	300000	166041



RAMAIAH INSTITUTE OF NURSING EDUCATION AND RESEARCH

No .of faculty	No of projects	Amount sanctioned
4	4	306000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31st march
Mrs. Susha Mary Roy	1 year	Investigation of Biochemical processes trailing the farmation of stenosis through mathematical model	07/02/2024	06/02/2025	60,000	0.0
Mrs. Vidya B S	1 year	A study to Assess the work life balance of staff nurses working in selected hospitals at Bengaluru	07/02/2024	06/02/2025	55000	0.0
Mrs. Ramya S N	1 year	A study to develop and evaluate the effectiveness of surgical site infection checklist on surgical site infection prevention among staff nurses in Ramaiah Hospital, Bangalore	07/02/2024	06/02/2025	91000	0.0
Mrs. Sangeetha K	1 year	Respectful Maternity Care: an experience of postnatal women at selected urban	07/02/2024	06/02/2025	100000	0.0



		and rural areas of Karnataka				
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FACULTY OF SOCIAL SCIENCES

No .of faculty	No of projects	Amount sanctioned
2	2	806500

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31st march
Dr. Aishwarya	1 year	Understanding Demand side Barriers of anemia among adolescent girls/women in Kaiwara village, Karnataka with special focus on of preconception care.	07/02/2024	06/02/2025	444500	352500
Ms. Sheetal Lakhani	1 year	Mental Health in college students: help seeking, coping strategies, and perceived support from stakeholders.	07/02/2024	06/02/2025	362000	362000



SCHOOL OF LAW

No .of faculty	No of projects	Amount sanctioned
1	1	380000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Aruna L	1 year	From Bystander to lifesaver: Exploring the Legal Aspects of Good Samaritan statutes	07/02/2024	06/02/2025	380000	127904



FACULTY OF RAMAIAH MEDICAL COLLEGE

No .of faculty	No of projects	Amount sanctioned
5	5	821000

Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Divya Sundaresh	1 year	Ocular Manifestation and Visuo-Cognitive Therapy Management of binocular vision anomalies in children with autism spectrum disorders and other developmental delay	07/02/2024	06/02/2025	380000	358000
Dr. Veena Vidya Shankar	1 year	Silicone mould plastination for dry specimen(Bone) using general purpose resin	07/02/2024	06/02/2025	30853	6048
Dr. Anupama K	1 year	A comparative study of density of Pacinian corpuscle in human fetal and adult digits using immunohistochemistry	07/02/2024	06/02/2025	80390	17795



Name of PI	Project Duration	Project title	Start date	End date	Amount sanctioned	Balance amount As of 31 st march
Dr. Ashwini C A	1 year	Plastination of Formalin embalmed and modified Thiel embalmed human anatomy specimen- A comparative study	07/02/2024	06/02/2025	219285	40209
Dr. Lakshmi Priya	1 year	Atrial Cardiopathy Biomarkers Among Patients with Embolic Strokes of Undetermined Source (ESUS) and their association with outcome	07/02/2024	06/02/2025	110000	28257