

# Office Of Research And Innovation

## SEED GRANTS

SL No	Name of PI	Year	Title of the Project
1	Dr. Rahul M. Cadambi	2018-19	Development of Resin Film Infusion
2	Dr. Anantharamaiah P.N.	2018-19	Synthesis of spinel structured Cu- Doped Cobalt Nanomaterials for SO <sub>2</sub> gas
3	Dr. Mahendrababu N. C.	2018-19	Research and development centre for Automated Farm Machinery Design
4	Dr. Anantharamaiah P.N.	2018-19	Designing a magnetic based Nano catalyst to drive 4 Nitrophenol Reduction Reaction
5	Dr. Jyotsna Kumar	2018-19	Fabrication and development of
6	Dr. Anantharamaiah P.N.	2018-19	Development spinel structure cobalt oxide based nanomaterial for energy storage
7	Dr. Manikanda Prabhu N.	2018-19	Photocatalytic Studies of metal oxide
8	Mr. Varun D.	2019-20	RAM Air Temperature sensor for Elta Pod Cooling and RCMA Certificate
9	Dr. Jineesh A.G.	2019-20	Development of flexible bio based porous polyurethaneNano cellulose composite for wastewater treatment
10	Dr. Manjunath S.O.	2019-20	Studies on NA Doped La Ca Na Mno Perovskite Manganite's
11	Dr. Sumy Joseph	2019-20	Analysing the structure property Correlation in Pharmaceutically important material such as chaconnes
12	Dr. Ravikumar B. S	2019-20	Synthesis, characterization and photoluminescence studies of chromium doped zinc
13	Dr. Premkumar H. B	2019-20	Metal oxide Nanophosphors for display application
14	Dr. Chennappa Gurikar	2020-21	Centres for batteries and bio fuse research
15	Dr. Debasish Kar	2021-22	Molecular Characterization of penicillin binding proteins in gram negative Bacteria
16	Dr. Swati Shina	2021-22	Identification of Drug Targets and Analysis of Small Molecules for Amelioration of Apoptosis
17	Dr. Anusha M. B.	2021-22	Formulation of ready to cook
18	Dr. Chennappa Gurikar	2021-22	Development of Azotobattery sp Based Anti-Mycotic product for management of Mycotoxin genic Fungal Contamination in cereals
19	Dr. David H. E.	2021-22	Development of Novel Symbiotic Formulation Targeting improved Bioavailability of Calcium in young women
20	Dr. Mallikarjunaiah K.J.	2021-22	Synthesis and study of technology Important Magnetic Materials
21	Dr. Priyanka K. P.	2021-22	Synthesis and Characterization of Engineered Nano titania as an Additive in coating Applications
22	Dr. Rashmi B. J.	2021-22	Synthesis and Characterization of Thermoplastic Starch Based Nanocomposite Films
23	Dr. Shivanand Madolappa	2021-22	Lead free ABO <sub>3</sub> Perovskite Material for energy storage applications

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24	Dr. Tushar Shaw	2021-22	Development and evaluation of a Loop Mediated Isothermal Amplification Combined with a lateral flow Assay for Rapid Detection
25	Ms. Yogitha Bhatt	2021-22	Influence of processing on Protein Digestibility and Material Bio accessibility with Special Emphasis
26	Dr. Darshan G. P	2022-23	Photocatalytic strategy of single atom loaded bismuth based complex system for degradation of organic pollutant and water splitting
27	Dr. Raju Kumar Biwas	2022-23	Exploring Carrier Transport properties of WSe <sub>2</sub> (1-x)Te <sub>2</sub> x super lattice for thermoelectric and optoelectronic application
28	Dr. Gopalakrishna	2022-23	Design , Development and communication of open jet Facilities
29	Dr. Aswathi R. Hegde	2022-23	Formulation development and performance evaluation of Novel sunscreen creams containing Hesperidin liposomes
30	Dr. Sandhya Sankaran	2022-23	Bioinformatics Approaches to identify and Predict function Residues of toxin antitoxin System
31	Dr. G. Devakumar	2022-23	Development Model to Explore the impact of destination branding with respect to consumer based brand equity
32	Dr. H S Srivatsa	2022-23	Modelling factors in fluency human organ donation
33	Ms. Shilpa R.G.	2022-23	Benchmarking of Smart Library Management System in Higher Education Institutions
34	Dr. Prasanthi	2022-23	Exploring the Role of DUBs in Chemo resistance
35	Dr. Soma Chaki	2022-23	Development and Characterization of patient Derived cell Culture Model System From Oral Cancer Patient
36	Dr. M. Rajadurai	2022-23	Development of fermented Millet based Health Beverage with Improved Antioxidants
37	Dr. Hanumantharaju K N	2022-23	Development of Edible Biopolymer packaging Material for Primary Packing of Food
38	Dr. Rohini Keshava	2022-23	Screening and Evaluation of Common Phocaea Species for Potent Anti-Cancer Therapies
39	Kavitha R Sarvepalli	2022-23	Stress Tolerance in Plants
40	Dr. Sandhya K V	2022-23	Repurposed Drug Loaded Metal Organic Framework targeting aGPCR Against Breast cancer Nanoparticles
41	Dr. R. Deveswaran	2022-23	Effect of Trimolol on Retinal Ganglion Cells and Muller Cells in Increased Intraocular
42	Mr. Damodar Nayak	2022-23	Exploring Principles of Marine Algae as a Radio Protector
43	Dr. Sharon Furtado	2022-23	Development of toothpaste Containing Proanthocyanidin for Diabetic Population
44	Dr. Parasuraman P	2022-23	Folate receptor targeted bovine serum albumin/ polyethylenimine 4 - amine derivative for treatment of Breast Cancer
45	Dr. N. Rakesh	2022-23	Comparative analysis of Salivary Volatile Organic Compounds in Patients with Chronic liver Disease and Healthy Individuals

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46	Dr. Sylvia Mathew	2022-23	Development and Characterization of a Local Drug Delivery system for disinfection and regeneration in Endodontics
47	Dr. Indiresha H Narayana	2022-23	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 Cells
48	Dr. Chatura Mohan	2022-23	Assessment of the biocompatibility and anti-oxidant property of a Cissus quadrangular is- based novel intracranial medicament
49	Dr. Kora Ramya Reddy	2022-23	Evaluation of antimicrobial property of Natural C- Dots in extraction sockets
50	Dr. Bhavya B	2022-23	Assessment of a novel Plant ago Ovata mucoadhesive mucilage dressing for wound healing
51	Dr. Sowmya S V	2022-23	Evaluation of Protein and gene expression of CADM1 and CRTAM in metastatic oral squamous cell carcinoma arising from gingivobuccal sulcus of smokeless tobacco Chewers
52	Dr Greeshma C	2022-23	Development of a Novel bio polymeric Nano micelle for targeted drug delivery- an in- vitro study
53	Dr. Kavitha Prasad	2022-23	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
54	Dr. Veena Kiran Nambiar	2022-23	Effects of Exercise based cardinal Rehabilitation on heart rate Variabilities
55	Mrs. Soni Srikanth	2022-23	Association Between Autonomic of Pain Variables in Individuals with Non Specific Neck pain
56	Dr. V. Sudar Kumar	2022-23	Effect of Morning Versus Evening Exercise on Fat Oxidation During Moderate Intensity Aerobics
57	Dr. Nanda Kumar S.	2022-23	To Assure Muscle Strength among pre-Menopausal
58	Ms. Kirti Joshi	2022-23	Translating Evidence into Article
59	Ms. Diana Rodrigues	2022-23	A Study of Quadriceps Muscle Strength with Select Biomarkers among Individuals with Obstructive Airway Disease
60	Mrs. Latha U. S.	2022-23	Effect of breast feeding peer Counselling Program to elderly women on Breast Feeding Practices of mothers and growth of Infants
61	Ms.Kusum Gurung	2022-23	Efficacy of one session brief intervention & telephonic contact for Suicide Prevention
62	Dr. Sonali Jadhav	2022-23	Identification of risk factors and strategies for risk factor mitigation for Non Communicable Disease (NCD) prevention among pre-school children
63	Mr. Yogeendra Babu	2022-23	Evaluation of the implementation of nursing process by the Nurses at Ramaiah hospitals, in a view to develop a training module

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64	Mr. Ganga Prasad	2022-23	Effect of Yoga practice on primary Dysmenorrhea among adolescent girls
65	Ms. Sunaya Ghosh	2022-23	Effectiveness of Structured teaching programme on Knowledge and practice regarding Breast self-Examination (BSE) among adolescent girls in selected colleges Bangalore
66	Dr Anupama V Hegde	2022-23	Clinical and Genetic Correlation of Patients with Long Covid having Cardiovascular Complications
67	Dr Deena Patil	2022-23	Androgen Receptor Gene Polymorphism and Its Phenotypic Expressions in Pre Mature Androgenic Alopecia
68	Dr. Prarthana Karumbaiah	2022-23	Effects of Music Therapy on Cognitive and Emotional Development of Preterm Infants
69	Dr D Pragati Rao	2022-23	Clinico Epidemiological Correlation with genetic Determination for long COVID
70	Mr. Shivaraj NS	2022-23	Leveraging Geographical information system for health research
71	Dr. Thanuja G Pradeep	2022-23	An Epidemiological study of Prevalence of eye Diseases
72	Dr. M. S. Venkatesh	2022-23	Tissue Oxygen Saturation Flap monitoring Device
73	Dr. Ananth Bhardary	2022-23	Genetic polymorphism of LOXLI and their Association with
74	Mr. Lohit HS	2022-23	Design and Development of portable oral Examination system
75	Dr. Mamatha. G. Hegde	2022-23	Rejuvenation of traditional handloom weaving and development of innovation Contemporary loom
76	Dr. Ravikumar B.S	2022-23	Exploration of Novel Hybrid Nanostructure Materials towards Gas Sensing application
77	Dr. Vikas M Shelar	2022-23	"Spectroscopic Characteristics Of Plasma Plume for Hall Thruster Applications
78	Dr. N. Manikanda Prabhu	2022-23	Phytogenic Synthesis and Functionalization of Iron Oxide Nano Particles Prepared Using Bio Waste/ Chemical agents for the Treatment of Environment Contaminants
79	Dr. Jyotsna Kumar	2022-23	Synthesis of Novel Stillbenoid Derivatives to Evaluate their Anti-Breast Cancer activity: Their Designing and In Silico Studies
80	Dr. Sheetal Bhatkurki	2022-23	Synthesis of Heterobimetallic based Metal Organic Frameworks (Pd@Cu BZT-H2ATA MOF) for Suzuki- Miyaura Cross Coupling Reaction
81	Dr. Prabhu Tej	2022-23	Enhanced Absorption Spectroscopy Using Single Mode Non-Classical Light
82	Dr Anitha Kumari	2022-23	Experimental Study on Modified Soil using Bagasse Ash and Fly Ash
83	Dr. Chethan Gowda	2022-23	Gamma Radiation Shielding and Thermal properties of High Density Conventional and Geo Polymer Concrete
84	Dr. Harshad R Parate	2022-23	Porous Asphalt Concrete of Sustainable Infrastructure
85	Dr. Jayahar Sivasubramaian	2022-23	Experimental and Theoretical Investigation of Hypersonic Ablation

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86	Dr. Mahesh k Varpe	2022-23	Experimental Investigation of a Passive Flow Control on the Aero Dynamic Performance of a Blade
87	Dr. Manickavasagam	2022-23	Design and Development of Miniaturized Conical Shaped Electromagnetics Energy
88	Dr. Manickavasagam	2022-23	Design and Development of Wireless power transmission System using High Frequency power Converter
89	Dr. Nayana Patil	2022-23	Evaluation of Strength durability Characteristics with Micro Structure Analysis of Self-healing, self-Consolidation Geo Polymer Concrete
90	Dr. Raja R	2022-23	Design and Development of Race Vehicle for SUPRA SAE 2023 Competition
91	Dr. Shashank Vadlamani	2022-23	Stochastic Modelling and Analysis for Functional Graded Beams
92	Dr. Shreyanka Subbarayappa	2022-23	Development Analysis of Social Internet of Things using Extended Gossip Protocol
93	Dr. Sivapragasam	2022-23	Large Eddy Simulation of Transitional Flow over an Air Foil at Low Reynolds number
94	Dr. A. T. Sirram	2022-23	Development Demonstration of Hall Thruster
95	Dr. Sunil Y	2022-23	Designing the Wireless EPG to Monitor Articulatory Defects in Kannada Speaking AAC
96	Mr. Bhargav	2022-23	Model - 1 Delamination Growth Behaviours in CFRP
97	Ms. Shwetha K, FPH	2023-24	A multifunctional, biomimetic, bilayered Piscean collagen scaffold to combat diabetic wound healing
98	Dr. M. K. Yuvapriya	2023-24	Engineering Denovo anticancer peptidomimics and probing mechanism of action
99	Dr. R. Gowri	2023-24	Preparation and Evaluation of Hesperidin Nano Spanlastics as Nasal insert for the treatment of Glioblastoma
100	Dr. Lakshmi M. Sundar	2023-24	Phytochemical Profiling of Extract and Fractions of Papaya Leaves by HPTLC and HPLC methods for standardization
101	Mrs. Ashwini Somayaji	2023-24	Evaluation of senolytic activity of Epigallocatechin gallate incorporated Hydrogel in chronic wound animal model
102	Dr. Tannmoy Ghosh	2023-24	Peptide hormoneenrichedcarboxymethyl chitosan scaffolds for synergistic wound healing: An investigational study
103	Dr. Usha N	2023-24	Growth Analysis and Benchmarking of Higher Education Institutes using NIRF Framework to Enable Policy Decision
104	Dr. Nirmal Singh	2023-24	Risk Implications of Income Diversification: Insights from the Indian Banking Industry
105	Ankita Sharma	2023-24	Cultivating Financial Wellness: Investment Avenues Pertaining to pension and Retirement Fund Performance offered by private Educational Institutes in Bangalore
106	Dr. Madhusudhan Nayak C	2023-24	Development of Process technology for production of instant simarouba glauca L. decoction powder

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107	Mr. Shivanand B Savatagi	2023-24	ExExploring the Feasibility of Integrating self-care practices under RBSK program for strengthening primary healthcare at community level in southern Karnataka: A qualitative study
108	Dr. Bhavana S	2023-24	Development of nutraceutical formulation using microgreens to combat anemia
109	Dr.Tarini	2023-24	Prediction of periodontal regeneration in vertical bone defects using artificial intelligence
110	Dr.Lalitha	2023-24	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
111	Dr.Karishma	2023-24	Formulation and characterization of a novel MTA based dental implant coating and evaluation of its osteogenic potential
112	Dr.Harshitha	2023-24	Development if injectable mixture of autogenous bone graft for socket preservation and characterization of the bone formed
113	Dr.Shwetha KM	2023-24	Oral health promotion through change agents using e-dantasuraksha seva
114	Dr.Nirajitha	2023-24	Diagnostic biomarkers in gingival crevicular fluid for detection of orthodontically induced root resorption
115	Dr.Dominic	2023-24	Development of a prognostic risk prediction model for oral squamous cell carcinoma using combined clinic histopathological , molecular and survival analysis –A pilot study
116	Dr.Sejal	2023-24	Use of buccal fat pad derived stem cells cultured for repair of cystic defects
117	Dr. Subarna Chatterjee	2023-24	Crowd Sourcing data for landslide inventory and prediction of landslide events using Machine learning Techniques
118	Dr. T Christy Bobby	2023-24	Development of AI model for early detection of Primary open angle glaucoma
119	Dr. Kiran Kumar B M	2023-24	Design and Development of an autonomous solar powered AI based bot for weed and trash collection in aquatic environments
120	Dr. Ugra Mohan Roy	2023-24	Development of deep learning based tunable integrated opto electronic oscillator and its parametric studies
121	Dr. Dayananda B S	2023-24	Studies on collaboratiove Robot (Co-Bot) Applications for Dermatology Therapies
122	Dr. Jyothi A P	2023-24	Driver Health Monitoring enabled smart cabin using Machine Learning
123	Dr. Nayana B R	2023-24	An empirical study of intelligent algorithms to optimize the architectural design of an EV battery pack in multivariant environmental, multifaceted parameters

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124	Dr. S P Sreenivas Padala	2023-24	Digital Twin-based Real Time Construction Project Progress Monitoring System
125	Dr. S. Nagaraja Rao	2023-24	Development of control techniques for fuel cell system integrated with MLI for grid application
126	Varun D	2023-24	Investigation and Development of a Novel Substrate Integrated Waveguide Sudsystems for Low range C/X band radar
127	Dr. Shankara Narayan	2023-24	Investigation of Biochemical processes trailing the farmation of stenosis through mathematical model
128	Mr. Bala Vignesh	2023-24	Effectiveness of using AI technological application & 3D printing in enhancing creativity among designers
129	Mrs. Susha Mary Roy	2023-24	Employability skills of novice nurses: perceptions of nurse managers and graduating nurses
130	Mrs. Vidya B S	2023-24	A study to Assess the work life balance of staff nurses working in selected hospitals at Bengaluru
131	Mrs. Ramya S N	2023-24	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
132	Mrs. Sangeetha X	2023-24	Respectful Maternity Care: an experience of postnatal women at selected urban and rural areas of Karnataka
133	Dr. Aruna L	2023-24	From Bystander to lifesaver: Exploring the Legal Aspects of Good Samaritan statutes
134	Dr. Aishwarya	2023-24	Understanding Demand side Barriers of anemia among adolescent girls/women in Kaiwara village, Karnataka with special focus on of preconception care.
135	Ms. Sheetal Lakhani	2023-24	Mental Health in college students: help seeking, coping strategies, and perceived support from stakeholders.
136	Dr. Divya Sundaresh	2023-24	Ocular Manifestation and Visuo-Cognitive Therapy Management of binocular vision anomalies in children with autism spectrum disorders and other developmental delay
137	Dr. Veena Vidya Shankar	2023-24	Silicone mould plastination for dry specimen(Bone) using general purpose resin
138	Dr. Anupama K	2023-24	A comparative study of densityy of Pacinian corpuscle in human fetal and adult digits using immunohistochemistry
139	Dr. Ashwini C A	2023-24	Plastination of Formalin embalmed and modified Thiel embalmed human anatomy specimen- A comparative study
140	Dr. Lakshmi Priya	2023-24	Atrial Cardiopathy Biomarkers Among Patients with Embolic Strokes of Undetermined Source (ESUS) and their association with outcome