

## IKS Division, Ministry of Education

### Completed Projects

S.No	Title of the Project	Name of the PI	Institution	State
1	Evaluation of Various Traditional Indian Blood Purification (Raktamokshan) Medicines using 3D Bio-Printed Microfluidic Organ-on-Chip Platforms	M. Ravi Sankar	Department of Mechanical Engineering, Indian Institute of Technology Tirupati, Andhra Pradesh - 517506	Andhra Pradesh
2	PRANA BASED VEDIC SOLUTIONS FOR MINIMIZING SUICIDAL IDEATION	Dr. VENKATA RADHE SHYAM A	Sri Venkateswara Vedic University, Tirupati, Andhra Pradesh	Andhra Pradesh
3	In vitro evaluation of Antioxidant free radical scavenging activity and Anti Proliferative properties of some indigenous Ayurveda medicinal plants used by selected Tribes groups of Andhra Pradesh	Prof. T V Kattimani	Central Tribal University of Andhra Pradesh	Andhra Pradesh
4	Towards Reinstatement of Ancient Soil Classification System	Dr. Tadikonda V Bharat	Center for Indian Knowledge System, IIT Guwahati	Assam
5	A Conservation approach for Structural Heritage of the Ahom Dynasty through the intervention of Science & Technology (CASHAD)	Dr. Nabin Sarmah	Tezpur University	Assam
6	Study of construction methodology and composition of brick and mortar used in the masonry of Nalanda Mahavihara	Dr. Vaibhav Singhal	IIT Patna, Bihta	Bihar
7	Demarcation of Ramakatha through Samvada	Dr M. V. Vishwanath	Kameshwar Singh Darbhanga Sanskrit University	Bihar
8	Synthesis of Vaastushastra, Sthaptyavidya, Environmental Planning & Indigenous Construction Techniques in Lakhamandal and Mahasu Temple Complex (ASI Monuments) in Dehradun, Uttarakhand	Dr. Mahendra Sethi	Indian Society for Applied Research and Development, Delhi	Delhi
9	Development of eco-friendly and sustainable natural dyes from plant extract	Dr. Siddharth Sirohi	Bhaskaracharya College of Applied Sciences (University of Delhi), Delhi-75	Delhi
10	उत्तर भारत में लोहे पर धातुकर्म कार्यों की पहचान और वर्तमान में पारंपरिक तरीकों से ग्रामीण क्षेत्रों में उपयोगिता	Dr. Manish Kumar	Jawaharlal Nehru University, New Delhi	Delhi
11	Eternal Visions: Exploring the Upanishads' Influence on Western Literary Discourse of Consciousness	Prof. Hitesh D Raviya	The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat.	Gujarat
12	Corporate Social Responsibility: A Philosophical Social Engineering approach from an ancient Indian Perspective	Dr. Deepak Gupta	Indira Gandhi University Meerpur, Rewari (Haryana)	Haryana
13	IKS Research Project for Avadhanakala and Consciousness Studies, Rishihood University	Prof. Sampadananda Mishra	Rishihood University	Haryana

14	Impact of Indian Classical Raga on human cognitive function A neuropsychological study using EEG	Dr. Laxmidhar Behera	IIT Mandi	Himachal Pradesh
15	Assessing the effect of Bhramari Pranayama and Shloka recitation on attention and well being of young students by analyzing Heart Rate Variability, Galvanic Skin Response and Temperature.	Dr. Amitash Ojha	Humanities and Social Sciences, IIT Jammu	Jammu & Kashmir
16	Mathematical modelling and Investigation of vibration and sound characteristics of Indian bowed stringed musical instruments	Prof. Ashok Kumar Mandal	National Institute of Technology Jamshedpur	Jharkhand
17	Reflections of Traditional Indian Knowledge in Pala and Daskathia and their Educational Implications in Rural Social Context	Dr. Tapan Kumar Basantia	Central University of South Bihar	Jharkhand
18	Development of Mobile Application for detecting Tridoshas (Pitta, Vata, Kapha) and personality traits from voice	Dr. Manjunath K V	Indian Institute of Information Technology Dharwad (IIIT Dharwad), Karnataka.	Karnataka
19	Town planning and water resource management of Udupi Heritage towns of Barkuru and Moodabidri and surrounding region	Dr. Deepika Shetty	Manipal School of Architecture and Planning, MIT Campus, Udupi Karnataka, India- 576104	Karnataka
20	Orientation of temples of South India and their astronomical associations	Dr. MB Rajani	National Institute of Advanced Studies (NIAS), Bengaluru	Karnataka
21	A Traits-based Model of Leadership derived from Bhoja's Aesthetic Theory of Nayakas	Dr. Shankar Rajaraman	Centre for Ancient History and Culture, Jain University, Bangalore	Karnataka
22	Application of Methodological Thinking of Shad-Darshanas to Modern Basic Science Curriculum	Dr. Naveena Holla	Central Sanskrit university, Rajiv Gandhi Campus, Sringeri, Karnataka 577139	Karnataka
23	Political Concepts in Ramayana, Mahabharata and Arthashastra: An Analysis of Sovereignty, Kingship, Welfare, Market, Diplomacy and War.	Dr. Vinayak Rajat Bhat	Chanakya University, Bengaluru	Karnataka
24	Obstacles (Upadhis) in Reading and Interpreting In Reading Indian Texts: Alternative Possibilities from Indian Traditions	Dr. Ashwini Desai	Chanakya University, Bengaluru	Karnataka
25	Production of coloured cotton using ancient chemical formulations taken from the Sanskrit text Vishvavallabha	Dr. Sharatkumar Variyar	Dayanand Sagar University	Karnataka
26	A study and adaption of ancient Indian alloy processing and metallurgical technologies for self-healing and gradient structure applications	Dr. Somashekara MA	IIT Dharwad	Karnataka
27	NIAS IKS Centre on Mathematics, Computation and Information Science	Prof. Shailaja D Sharma	National Institute of Advanced Studies	Karnataka
28	Dhaarana- IKS Centre at REVA University	Dr. Vidya Kumari S	Reva University	Karnataka

29	Development of Ecofriendly Ancient Indian Clay, Ceramic Idols/potters of Traditional Importance by Extrusion Based 3D printing	Dr. Somashekara	Indian Institute of Technology Dharwad	Karnataka
30	A Study on the efficacy of Pashu Ayurveda formulations as alternatives to antibiotics in bovine infectious conditions for reduction of antimicrobial resistance (AMR) and improve economic status of dairy farmers in India	Dr Kumar S K	The University of TransDisciplinary Health Sciences and Technology (TDU)	Karnataka
31	International Relations of the Chola Dynasty: Evaluation of Diplomacy Strategies with China, East-Asian Countries, and Sri Lanka and their Applications to Current Scenario	Dr. Reinhart Philip	Central University of Kerala	Kerala
32	Mathematics and Nyaaya Darshana	Dr. Aditya Maheshwari	Indian Institute of Management Indore	Madhyapradesh
33	Investigation of traditional iron monuments in the central India and understanding their metallurgical origins	Prof. Eswara Prasad Korimilli	IIT Indore	Madhyapradesh
34	Development of Fe-based composite materials mimicking Delhi iron pillar's structure	Dr. Santosh S. Hosmani	IIT Indore	Madhyapradesh
35	Development and characterization of novel metallic Vajra Lep coating	Dr. Vinod Kumar	IIT Indore	Madhyapradesh
36	Restoration of Lonari Salt	Dr. Pramod Ganganmale	Karmaveer Bhaurao Patil College, Urin-Islampur, Maharashtra	Maharastra
37	Entrepreneurship Intention and Behavior: Theoretical and Empirical Studies based on Tri Gunas, Tri Shaktis and five Factors of Action and Result given in IKS	Dr. Ashish Pandey	Associate Professor, Shailesh J. Mehta School of Management, Indian Institute of Technology Bombay (IITB), Mumbai	Maharastra
38	A Survey of Water Resources of Vidarbha Region Based on Indian Dakargala System	Prof. Prasad Gokhale	Kavikulaguru Kalidas Sanskrit University	Maharastra
39	CENTRE FOR SHAASTRIC STUDIES AND RESEARCH IN LAW	Prof. Himanshu Pandey	Maharashtra National Law University, Nagpur	Maharastra
40	Combustion experiments to understand the by-products of the Agnihotra Process	Dr. Nagendra Kumar	IIT Bombay	Maharastra
41	Decoding Ancient Knowledge of Temple Tanks on Lord Shiva's Pancha Bootha Sthala	Dr. V. Jothiprakash	IIT Bombay	Maharastra
42	Revitalizing Indigenous Knowledge of Sustainable Farming Practices in North East India by Integrating Conservation, Research and Entrepreneurship	Dr. Sanjay Swami	School of Natural Resource Management, College of Post Graduate Studies in Agricultural Sciences, (CAU-Imphal), Umiam - 793103, Meghalaya, India	Meghalaya

43	SIKSHA O ANUSANDHAN IKS CENTER	Prof. Nachieketa Khamari Sharma	Siksha 'O' Anusandhan University	Odisha
44	Development and Application of natural dyes for reviving handloom and improving human wellness	Dr. G. Ramakrishnan	Department of Fashion Technology, Kumaraguru College of Technology , Coimbatore-641049, Tamil Nadu	Tamilnadu
45	Impact of Satvik Food on the Gut-Microbiome Diversity: An Ayurgenomics Perspective	Dr. Prakash Shankaran	Dept. of Bioengineering, Svchool of Chemical and Biotechnology, SASTRA University	Tamilnadu
46	Investigation and development of enhanced siddha diagnostic uroscopy "Neikuri"using dynamic image processing	Dr P Maniraj Kumar	PSNA College of Engineering and Technology, Dindigul – 624 622	Tamilnadu
47	INVESTIGATING THE ROLE OF HOUSEHOLD SAVINGS FOR SUSTAINABLE ECONOMIC DEVELOPMENT – DEMONSTRATING THE 'INDIAN WAY'	Dr. NIGAMA K	SASTRA DEEMED TO BE UNIVERSITY	Tamilnadu
48	An in-depth study oriented towards rejuvenation of traditional Sanskrit purana katha akhyana traditions of Kerala Pathakam and Chakyar koothu	Prof. Sreekanth V	Amrita Vishwa Vidyapeetham	Tamilnadu
49	Hita and Sukha Ayu Wellbeing Wellness and Happiness Index	Dr. Mala Kapadia	Anaadi Foundation	Tamilnadu
50	Yoga and Ayurveda Knowledge Engine based Wellness Technology with Wearable and Mobile app	Prof. Adinarayanan V	Anaadi Foundation	Tamilnadu
51	Sanskrit Word Order following the Steps of target language	Dr. Amba Kulkarni	University of Hyderabad	Telangana
52	Sanskrit to Indian Language Machine Translation cum Language Accessor.	Prof. Parameshwari K	University of Hyderabad	Telangana
53	Early Science Technology Engineering Education and Mathematics ESTEEM of India Research Center	Prof Ashish Karn	UPES	Uttarakhand
54	Designing a Prototype settlement for a Contemporary Sustainable Town as per the prescriptions of Vaastushastra	Dr. Avlokita Agrawal	Indian Institute of Technology, Roorkee	Uttarakhand
55	Scientific Investigation of Ancient Knowledge System of Haematite Materials used in the Rock Art of Kaimur Range	Dr. Sachin Kumar Tiwary	Banaras Hindu University, Varanasi	Uttarpradesh
56	Demonstration and Reproduction with Scientific Validation of some Ceramic Materials Knowledge System of Ancient-India	Prof. Rajiv Prakash	IIT BHU	Uttarpradesh
57	Correlation studies of copper artifacts (2500-200 BCE) from Varanasi region and copper mining and smelting in tribal areas of Singhbhum	Prof. Chandan Upadhyay	School of Materials Science and Technology, IIT (BHU), Varanasi	Uttarpradesh
58	Nyayanjanam Indian Logic Assistance Tool	Dr. Munish Kumar Mishra	Veadic Dharma Sanskriti Promotion foundation	Uttarpradesh

59	Automated Question-Answering System for Ramayana	Dr. Arnab Bhattacharya	IIT Kanpur	Uttarpradesh
60	Development of conversational Sanskrit translator using Neural Machine Translation.	Dr. Anil Kumar Gourishetty	IIT Roorkee	Uttarakhand
61	Exploring mineral acids in Rasayana Shastra texts from ancient and medieval India	Dr. V. Ramanathan	IIT BHU	Uttarpradesh
62	Analysis of Sound Spectrum of Mantras and their Relation with Geometric Patterns of Yantras	Dr. Anurag Tripathi	IIT Kanpur	Uttarpradesh
63	Neeti Shastras and Modernity: Understanding the Reflective Equilibrium between Hermeneutics of Normative Texts and Practice	Dr. Sukhada	IIT(BHU)	Uttarpradesh
64	Traditional Principles of Settlement Planning in Heritage Temple Sites of Odisha / erstwhile Kalinga Region	Dr. Rabi Narayan Mohanty	IIT BHU	Uttarpradesh
65	Exposition/Compendium of nuanced mathematical and astronomical constructs in classical commentaries	Dr. Mahesh K	Centre of Excellence for Indian Knowledge Systems, IIT Kharagpur	West Bengal
66	The relevance and applicability of Chanakya's (Kautilya) Arthaśāstra for solving current societal problems	Dr. Paromita Roy	Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)	West Bengal
67	भारतीयदर्शनदृष्ट्या मनस्तत्त्वविवेकः	Subrata Gayen	Chandernagore College	West Bengal
68	Indian Knowledge System and the Himalaya: Towards Conceptualising A 'New' Himalayan Studies	Swatahsiddha Sarkar	Centre for Himalayan Studies, University of North Bengal	West Bengal