



### Seed Funding

S. No.	PI/CoPI	School	Project Title	Status
1	Dr. Chandni Pathak	Alliance School of Sciences	Unsymmetrical heterodinuclear metal complexes as structural and functional phosphatase models	Completed
2	Dr. Rashmi Sinha and Dr. Vivekanand Mishra	Alliance School of Sciences	Synthesis of ultrafine YAG:Ce phosphors and composites for WLEDs application	Completed
3	Dr. Vineetha Sivakumar and Dr Smita Satapathy	Alliance School of Liberal Arts and Alliance School of Law	Combating Trafficking in Persons: Assessing the Vulnerabilities and Risks	Completed
4	Dr. Vivekanand Mishra and Dr. Rashmi Sinha	Alliance School of Sciences	Fabrication of Metal Semiconductor Oxide and Thermal Barrier Coating using Lanthanum Cerium Oxide ( La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> ) nanoparticles	Completed
5	Dr. Anirudh Sridhar	Alliance School of Liberal Arts	Scope for Agroecology in India	Completed
6	Dr. Syed Alay Hashim	Alliance School of Applied Engineering	Design, Fabrication, and Testing of Metalized Hybrid Propellant Ducted Rocket System	Completed
7	Dr. Swastika Banerjee	Alliance School of Sciences	Enhancing the Aroma of Traditional Aromatic Rice Varieties in Karnataka through Plant-Microbe Interaction and Modulation of the Proline Pathway	Ongoing



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8	Dr. Saswati Debnath and Dr. K Ramalakshmi	Alliance School of Advance Computing	Voice and Vision-Based Camera Control System for Robotic Laparoscopic Surgeries	Ongoing
9	Dr. Soni	Alliance School of Sciences	High-Performance, Cost-Effective Aluminium-Doped Zinc Oxide Thin Films for Next-Generation Touchscreen Interface	Ongoing
10	Dr. Shaik Shabberhussain	Alliance School of Applied Engineering	Investigation of the Influence of Graphene Nanoplatelets on the Damage Behavior of CFRP Composites Under Cryogenic Conditions using Fiber-optic Acoustic Emission	Ongoing
11	Dr. Kiran Shahapurkar	Alliance School of Applied Engineering	Conditioning of Carbon fiber reinforced Pumice Epoxy Core Sandwich Composites under Arctic Environment	Ongoing
12	Dr. Deepak Sampathkumar and Dr. Reeba Korah	Alliance School of Applied Engineering	Development of a Reshaped Next-Generation Underwater ROV Mining System with Integrated Sensor Suite for Efficient and Sustainable Deep-Sea Operations	Ongoing
13	Dr. Ancy Mergin and Dr. S. Iwin Thanakumar Joseph	Alliance School of Advance Computing	AR/VR based Post Stroke Rehabilitation	Ongoing



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S. No.	PI/CoPI	School	Project Title	Status
14	Dr. Sheetal Thapa and Prof. Asha Rani N.R	Alliance School of Applied Engineering	Effective Chloride Binding in Concrete Structures Using Non-Destructive Instruments	Ongoing
15	Dr. Digamber Singh	Alliance School of Applied Engineering	Resilience of Blood-Flow Mechanisms in the Human Artery Network: A Numerical Study	Ongoing