

Phase –II (Patent Details)

S.No	Name of faculty	Department	Title	Novelty
1.	Dr.D.Vijendra Babu	ECE	DESIGN OF REPELLENT STICK TO SAFEGUARD HUMANS IN FARMING LAND FROM SNAKES	<ul style="list-style-type: none"> •Designed Repellent Stick to safeguard Farmers from Snakes/dangerous insects in farming land. •Intimates when Repellent stick falls down by SMS
2.	Dr. L.K.HEMA	ECE	SEWER GAS MONITORING AND ALERTING SYSTEM	<ul style="list-style-type: none"> •Designed a sewer gas monitoring device for sewer tanks
3.	Dr. S. P. SANGEETHA Dr. R. DIVAHAR Dr. P. S. ARAVIND RAJ	CIVIL	NON-STRUCTURAL CRACK ARRESTING MINI-BRICK	Ferrocement (also called thin-shelled concrete or Ferro-concrete) is a system of reinforced mortar or plaster or concrete applied over layer of metal mesh, woven expanded-metal or metal fibers, closely spaced thin steel rods such as Re-bars, or any polymer based fibres which possess higher tensile strength. The metal commonly used is galvanized iron or some type of steel and other mesh used are GFRP (Glass Fibre Reinforced Polymer).

4.	Mr. V. Rattankumar Dr. G. Ezhilarasan	EEE	SWITCHED AUXILIARY RESONANT CONVERTER FOR PORTABLE UPS SYSTEM	The novelty in this work lies in the selection of the switched Auxiliary resonant converter (SARC) to charge the battery in the portable UPS system. The proposed SARC Converter uses reduced switches and soft switching so is efficient compared to the conventional converters since the switching loss is reduced.
5.	Dr.R.Jayachanderan T.Sudhan	CSE	DEEP LEARNING BASED VIDEO ANALYTICS FOR IMPROVING SECURITY IN SURVEILLANCE	Model security system for all places
6.	Mr. Jennie anitha Dr.K.Boopathy	EEE	SWITCHED RELUCTANCE MACHINE FOR MODERN ELECTRIC VEHICLE	New shape of machine with compact design.
7.	Dr.K.Boopathy	EEE	SOLAR POWERED DRONE WITH ROBOTIC ARM FOR COCONUT CUTTING	Design and develop a solar powered drone with robotic arm. The drone with robotic arm is aimed to cut the coconuts without human effort.
8.	Dr.R.Jayachanderan Kannan	CSE	SECURED CLOUD TRANSATION USING IOT DEVICES.	Block chaining technology for security system