

## **CENTRE FOR INNOVATION & INCUBATION.**

The purpose of Centre for innovation & Incubation is to promote and support innovations across the spectrum of science and technology with application in any field. It works along with various technical clubs, societies and teams on the campus to strategically develop a healthy culture where skill is developed and ideas are generated.

The key targets of the Centre for innovation & Incubation

- To provide all kinds of support to one interested in any kind innovation.
- To create strategic partnerships with various national and international organizations working to promote innovation.
- To create awareness about various new avenues.
- To develop various skills among students required for successful implementation of ideas.

## **INFRASTRUCTURE & FACILITIES**

<b>S.No.</b>	<b>Name of the Equipment</b>
1	3D Printer
2	Blow Moulding Machine
3	Plasma Welding/Cutting Machine
4	TIG Welding Machine
5	Metal Melting Furnace
6	Injection Molding Machine
7	Universal Sand Strength Machine
8	Mini CNC Router
9	CNC Turning machine
10	Evacuative Tube Solar Collector
11	Solar Flat Plate Collector
12	I-V Characteristics of Solar Panel
13	Bio-Diesel Mixer (Blender)
14	LPG Kit for SI Engine
15	Muffle Furnace
16	Electronic Metallurgical Microscope
17	Seismic Vibration Apparatus
18	Gyroscope couple
19	Universal Vibration Apparatus
20	FFT Analyzer
21	Electro Discharge Machine (EDM)
22	Wind tunnel Blower

**Year 2016-17**

S. No.	Investigator	Title of the Project	Funding Agency	Status
1	Mr. M. Amarnadha Reddy	Multi Objective Optimization of Production Process Parameters Using Evolutionary Algorithms	AICTE (RPS)	Completed
2	Mr. Meera Saheb K	Linear Free Vibrations of Timoshenko Beams and Mindlin Plates Using Coupled Displaced Field	AICTE (RPS)	Completed
3	Prof. PHV Sesha Talpa Sai	Saurooja - Affordable solar Mobile Charger Cum Lamp	MSME	Completed
4	Prof. PHV Sesha Talpa Sai	Segway - Self Balancing Robot	MSME	Completed
5	Dr. M. Murali Krishna	Bio-Diesel Production using Nano Catalyst	MSME	Completed
6	Prof. PHV Sesha Talpa Sai	Heat Transfer Enhancement Through Nano Fluids	MSME	Completed
7	Prof PHV Sesha Talpa Sai	Clauditis - Smart Door Lock	MSME	Completed

**YEAR 2017-18**

S. No.	Investigator	Title of the Project	Funding Agency	Status
1.	Dr.Naga Shankar	Automation of Ferment or for Vaccine Manufacturing	MSME	Completed
2.	Mr. D.Damodar Reddy	Automation of Packing Process in Rural Establishments	MSME	In Progress
3.	Dr. P.Srikar	Design and analysis of baby warming unit	MSME	Completed
4.	Dr. M. Murali Krishna	Investigation of Aerodynamic characteristics of a bio-mimic micro air vehicle	Skylark International Aerospace	Completed
5.	Dr. M. Murali Krishna	CFD code development for gas turbine guide vanes and its aerodynamics profile analysis	Turbo Engineering Services	In Progress

**YEAR 2018-19**

S. No.	Investigator	Title of the Project	Funding Agency	Status
1.	Dr.P. Srikar	Characterization of shape memory alloys (Ni-Ti based)	ARDB	In-Process
2.	Dr. M. Murali Krishna	Influence of Nickel in characterization of Nitinol	DST-SERB/Extra mural	In-Process

		Shape Memory Alloy (SMA).	Research Grant/	
3.	Dr.T. Siva Kumar Dr. Jain B. AR Tony	Structural health monitoring of Mechanical systems	AICTE-RPS Scheme 2016	In-Process
4.	Dr. Jain AR Tony	Structural Health Monitoring of Railway Bridges in India	MSME	I- Process n
5.	Prof. P. Srikar	Application Of Piezoelectric Materials In Automotive Industry To Reduce And Noise And Vibration	MSME	I- Process n
6.	Dr M. Amarnadha Reddy	Overlaying Of Ceramic Matrix Coating As A Thermal Protection System	MSME	I- Process n
7.	Dr.T. Siva Kumar	Model For Emergency Braking Using Independent Steering Actuators By Maintaining Directional Stability	MSME	I- Process n
8.	Dr. P Srikar	Structural health monitoring of aircraft structure - wing	VskyAerospace technologies	I- Process n