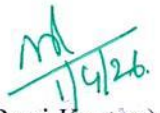


Department of Mechanical Engineering
Siddhartha Academy of higher Education (Deemed to be University)
Vijayawada

DETAILS OF INNOVATION MODEL (2025-26)

S.No	Name of the Students	Guide Name	Title of the Model	Type of the Model
1	S. H Deva Raj Kumar S. Satya Durga Prasad B. S Sri Varma SK. Gafoor	Dr. K. Prakash Babu	Heat transfer analysis of radiator under various conditions by using different coolents	Working Model
2	G.L. Srikanth Ch. Sai ram	Dr. S. Srinivasa Prasad	Design and development of smart animal tracking system	Working Model
3	K. Karthik Ch. Jagadeesh K. Satya siva prasad D. Sudharshan	Dr. K. Srinivas	Railway track deflection and gauge length measuring device	Working Model
4	K.KumarRamji Harshitha Seerapu R. Venkateswarulu V. Akash	Dr. V. Sridhar	Predictive maintenance system for heat exchanger	Working Model
5	K. Maanvi D. Rohit Kumar T.V. Durga Mahanth B. Likhith Satya Sai	Smt.A.N.Pha ni Deepthi	Fabrication & development of pipeproowler with adjustable diameter	Working Model
6	K.Naga Satish Kumar S.Varun Deep K.Sarath Kumar J.Mahitha Sai Sri	Dr. R.V.Kiran Kumar	IOT based soil nutrients monitoring and supply system	Working Model
7	Sk A Nazeeruddin, D. Prem Chand Sk Rehman	P. Gopinath Chowdary	Smart Safety Helmet (a smart safety equipment)	Working Model
8	A.NagaVenu A.Manjeeth A.Swaroop S.Prudhvi	Dr.K.Ramana iah	Development of eco-friendly composite material for battery casing	Working Model
9	M. Pravallika K. Prasanth	Dr. K. Ramanaiah	Sustainable eco-friendly safety helmet	Working Model
10	A.Manjeeth Babu Ch.Nitish K.Manishankar T.Bhaskar	Dr. K. Ramanaiah	Pick and Place Robot Using Remote Control	Working Model
11	P. Sai Vishwa Teja K. Gnanadeep N. Abhilash K. Karthik Kumar	Dr.G.Dilli Babu	Movable Pick And Place Robot	Working Model

12	B. Mani Chandrika P. Poojitha Naidu T. Nandhan Kumar	Dr.G.Dilli Babu	Fire Fighting Robot	Working Model
13	S. Ganesh B. Jaideep N. Daniel G. Chaitanya	Dr. N. Ravi Kumar	Driver Drowsiness Detection System With Thermal Haptic Feedback	Working Model
14	B. Pavan Rama Seshu C. Chandu	Dr C Mahesh	Fabrication of Mecanum Wheel Car: Enabling Omni Directional Movement	Working Model
15	M. Narendra K.L. Phani	Dr. K.N.M Rao	Bio-gas Generation From Food Waste With Separation Techniques	Working Model
16	P.Manikarthik CH.Saroja	Dr. , CH. Naga Raju	Laser security system Arduino, LDR& GSM	Working Model
17	G.Om prakash T. Akshai P. Satish	Dr. M. Bala Chennaiah	Experimental & Computational Analysis Of PCM Assited Cooling For Solar Panels	Working Model
18	T.Sai Venkata Pavan	Dr.G.Dilli Babu	Colour-Based Fruit Sorting Robot	Working Model

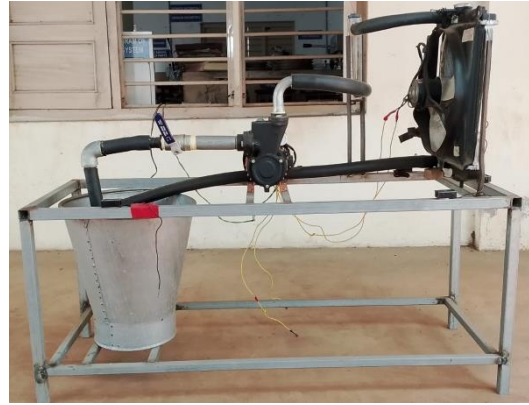

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Department of Mechanical Engineering
Siddhartha Academy of higher Education (Deemed to be University)
Vijayawada

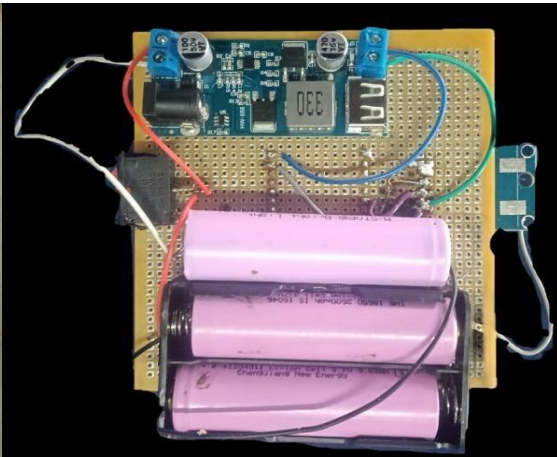
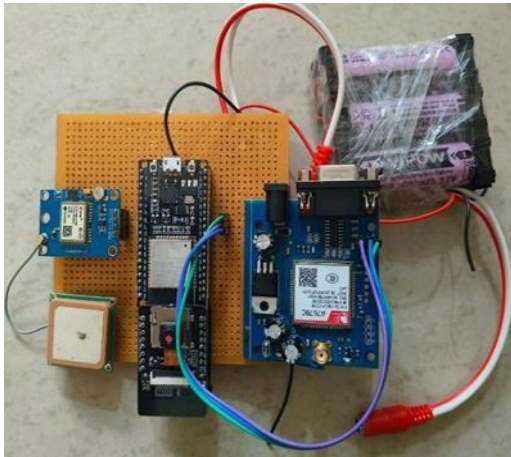
DETAILS OF INNOVATION MODEL (2025-26)

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1	S. H Deva Raj Kumar S. Satya Durga Prasad B. Sowmya Sri Varma SK. Gafoor	Dr. K. Prakash Babu	Heat transfer analysis of radiator under various conditions by using different coolents	Working Model



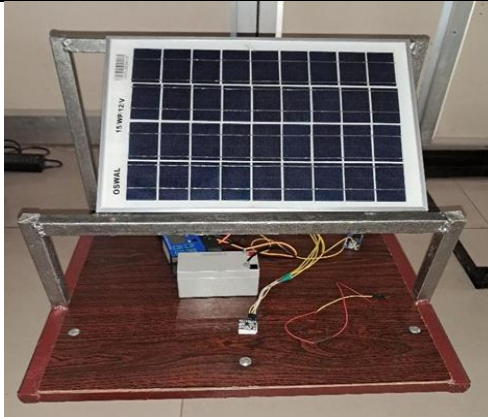
Heat transfer analysis of radiator under various conditions by using different coolents

2	G.L. Srikanth Ch. Sai ram	Dr. S. Srinivasa Prasad	Design and development of smart animal tracking system	Working Model
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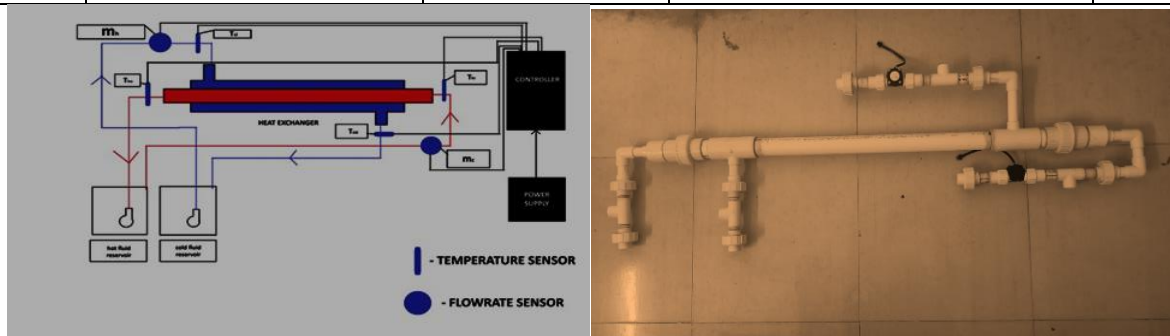
Design and development of smart animal tracking system

3	K. Karthik Ch. Jagadeesh K. Satya siva prasad D. Sudharshan	Dr. K. Srinivas	Railway track deflection and gauge length measuring device	Working Model
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Railway track deflection and gauge length measuring device

4	K.KumarRamji Harshitha Seerapu R. Venkateswarulu V. Akash	Dr. V. Sridhar	Predictive maintenance system for heat exchanger	Working Model
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Predictive maintenance system for heat exchanger

5	K. Maanvi D. Rohit Kumar T.V. Durga Mahanth B. Likhith Satya Sai	Smt.A.N.Phani Deepthi	Fabrication & development of pipeproowler with adjustable diameter	Working Model
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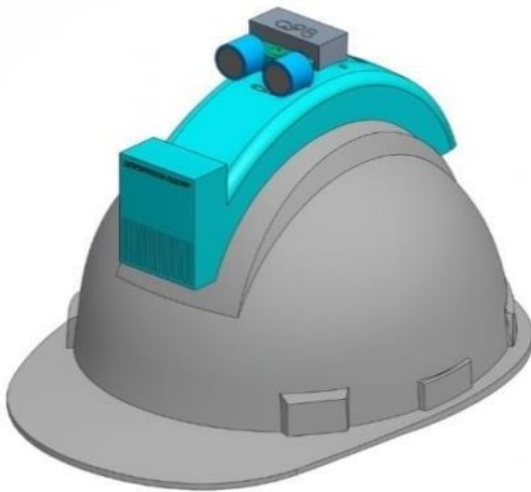
Fabrication and development of pipeproowler with adjustable diameter

6	K.Naga Satish Kumar S.Varun Deep K.Sarath Kumar J.Mahitha Sai Sri	Dr. R.V.Kiran Kumar	IOT based soil nutrients monitoring and supply system	Working Model
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IOT based soil nutrients monitoring and supply system

7	Sk A Nazeeruddin, D. Prem Chand Sk Rehman	P. Gopinath Chowdary	Smart Safety Helmet (a smart safety equipment)	Working Model
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Smart Safety Helmet (a smart safety equipment)

8	A.NagaVenu A.Manjeeth A.Swaroop S.Prudhvi	Dr.K.Ramanaiah	Development of eco-friendly composite material for battery casing	Working Model
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Development of eco-friendly composite material for battery casing

9	M. Pravallika K. Prasanth	Dr. K. Ramanaiah	Sustainable eco-friendly safety helmet	Working Model
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Sustainable eco-friendly safety helmet

10	A.Manjeeth Babu Ch.Nitish K.Manishankar T.Bhaskar	Dr. K. Ramanaiah	Pick and Place Robot Using Remote Control	Working Model
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Pick and Place Robot Using Remote Control

11	P. Sai Vishwa Teja K. Gnanadeep N. Abhilash K. Karthik Kumar	Dr.G.Dilli Babu	Movable Pick And Place Robot	Working Model
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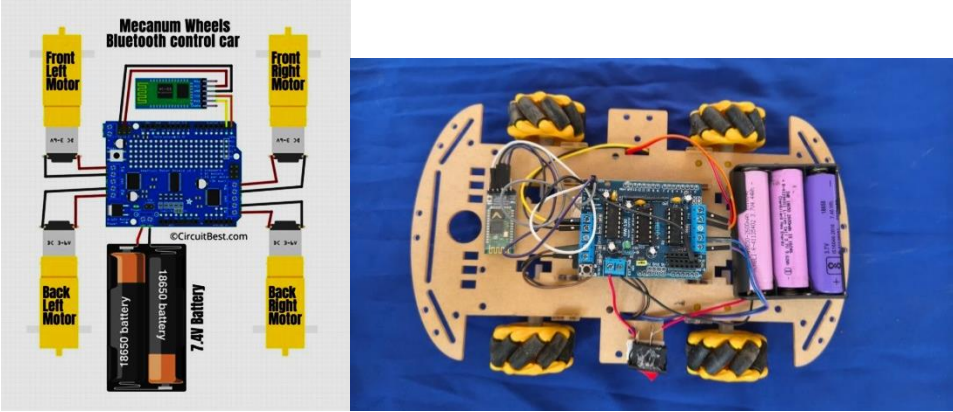



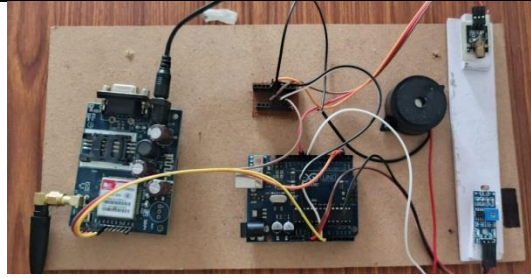
Movable Pick and Place Robot

12	B. Mani Chandrika P. Poojitha Naidu T. Nandhan Kumar	Dr.G.Dilli Babu	Fire Fighting Robot	Working Model
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Fire Fighting Robot

13	S. Ganesh B. Jaideep N. Daniel G. Chaitanya	Dr. N. Ravi Kumar	Driver Drowsiness Detection System With Thermal Haptic Feedback	Working Model
 <p>The flowchart on the left shows the process: Face detection → Control & Processing unit (raspberry pi, etc) → Determination of driver drowsiness → Decision? (NO/YES) → Thermal Haptic alert system. The image on the right shows a steering wheel with a glowing orange ring, representing the haptic feedback system.</p>				
14	B. Pavan Rama Seshu C. Chandu	Dr C Mahesh	Fabrication of Mecanum Wheel Car: Enabling Omni Directional Movement	Working Model
 <p>The left image is a circuit diagram for a Mecanum wheel Bluetooth control car, showing connections for four DC 3V motors (Front Left, Front Right, Back Left, Back Right) and a 7.4V battery. The right image is a photograph of the physical car assembly on a blue surface.</p>				
<p align="center">Fabrication of Mecanum Wheel Car: Enabling Omni Directional Movement</p>				
15	M. Narendra K.L. Phani	Dr. K.N.M Rao	Bio-gas Generation From Food Waste With Separation Techniques	Working Model
 <p>The photograph shows a bio-gas generation setup on a tiled floor. It includes a blue gas cylinder, several blue gas traps, and three stainless steel fermentation chambers connected by tubes. One chamber is labeled 'WASTE'.</p>				
<p align="center">Bio-gas Generation From Food Waste With Separation Techniques</p>				
16	P.Manikarthik CH.Saroja	Dr. , CH. Naga Raju	Laser security system Arduino, LDR& GSM	Working Model



Laser security system Arduino, LDR& GSM

17	G.Om prakash T. Akshai P. Satish	Dr. M. Bala Chennaiah	Experimental & Computational Analysis Of PCM Assited Cooling For Solar Panels	Working Model
<p align="center">Experimental and Computational Analysis Of PCM Assited Cooling For Solar Panels</p>				
18	T.Sai Venkata Pavan	Dr.G.Dilli Babu	Colour-Based Fruit Sorting Robot	Working Model