



Institute Innovation Cell (IIC)

Ref.No.: SLIET/IIC/2023/146-49

Date: 29/03/23

Notice

Institute Innovation cell (IIC) has awarded projects to the students to realize their ideas into product. IIC had scheduled the progress presentation on 23.02.2023 (Ref No. SLIET/IIC/2023/124-128 dated 22.03.2023). The students who could not appear in the presentation due to their active involvement in TechFest-23 were allowed to present their progress presentation on 28.03.2023 (Ref No: SLIET/IIC/2023/29-35 dated 24.03.2023). The following projects were presented during the events:

S.No	Project ID	Title of the Project	Faculty Advisor	Date of Presentation	Comments
1	P-2022-01	Development, Fabrication and Validation of Solar hybrid Dehydrator	Dr. Kamlesh Prasad	23.02.2023	<ul style="list-style-type: none"><li>• Components are procured</li><li>• Project in Progress</li><li>• Final Project will be submitted till 5<sup>th</sup> May, 2023</li></ul>
2	P-2022-02	Design and Implementation of Smart Magic Mirror	Dr. Jagdeep Singh	23.02.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Final Project will be submitted till 28<sup>th</sup> April, 2023</li></ul>
3	P-2022-03	Double Acting Arced Hydraulic Cylinder	Dr. A.S. Arora Dr. Surita Maini	23.02.2023	<ul style="list-style-type: none"><li>• 3-D Printed, PLA model has been fabricated.</li><li>• Design Patent is in Progress</li><li>• For 3-D Metal prototype will be prepared in next financial year.</li><li>• Approximate Rs. 1.5 Lac be sanctioned for completion.</li></ul>
4	P-2022-04	Slurry erosion behaviour of mechanically durable slippery surfaces over plasma sprayed VC+TiC+CuNi-Cr based novel coating used for hydro-machinery applications	Dr. Anuj Bansal Dr. Anil Kumar Singla	23.02.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Final Project will be submitted till 28<sup>th</sup> April, 2023</li></ul>
5	P-2022-05	Study the abrasive wear characteristics of newly developed tillage tools by using wire arc additive manufacturing (WAAM)	Dr. Anuj Bansal Dr. Jagtar Singh	23.02.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Final Project will be submitted till 28<sup>th</sup> April, 2023</li></ul>
6	P-2022-06	ML,AI,GIS for climate change studies	Dr. Amar Nath	28.03.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Student will present progress on 4<sup>th</sup> April.</li><li>• Final Project will be submitted till 28<sup>th</sup> April, 2023</li></ul>
7	P-2022-07	Solar Operated Honey Processing Unit	Dr. Vikas Nanda	-	<ul style="list-style-type: none"><li>• As discussed with Faculty Advisor, the purchase could not be materialized</li><li>• Requested for extension of project in next financial year</li></ul>
8	P-2022-08	Absorption Enhancement of Solar Cell by introducing optical devices	Er. Pankaj Kumar Das	28.03.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Final Project will be submitted till 28<sup>th</sup> April, 2023</li></ul>
9	P-2022-09	Terrain mapping using drones for agriculture	Dr. Manmohan Singh	28.03.2023	<ul style="list-style-type: none"><li>• Components are procured.</li><li>• Project in Progress</li><li>• Project Demo will be submitted till 28<sup>th</sup> April, 2023</li></ul>

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10	P-2022-10	Advanced PID controlled high speed Line following Robot	Dr. J.S.Ubhi	28.03.2023	<ul style="list-style-type: none"> <li>• Components are procured</li> <li>• Project in Progress</li> <li>• Final Project will be submitted till 5<sup>th</sup> May, 2023</li> </ul>
11	P-2022-11	Earth Dockers	Dr. Amrik Singh	28.03.2023	<ul style="list-style-type: none"> <li>• Components are procured.</li> <li>• Project in Progress</li> <li>• Final Project will be submitted till 5<sup>th</sup> May, 2023</li> </ul>
12	P-2022-13	Protection of crops against wildlife using Multicopter Drone	Dr. Amrik Singh	28.03.2023	<ul style="list-style-type: none"> <li>• Components are procured.</li> <li>• Project in Progress</li> <li>• Final Project will be submitted till 5<sup>th</sup> May, 2023</li> </ul>
13	P-2022-14	Design and Development of Laser Engraving using 3-D printer	Dr. Surita Maini Er. Jasvir Singh Kalsi	23.03.2023	<ul style="list-style-type: none"> <li>• Components are procured</li> <li>• Project in Progress</li> <li>• Final Project will be submitted till 5<sup>th</sup> May, 2023</li> </ul>

Members of following projects did not appear for the presentation on scheduled dates.

1	P-2022-12	CycleOne Initiative (Phase-I)	Dr. Manoj Goel	ABSENT	<ul style="list-style-type: none"> <li>• The student didn't appear for presentation on scheduled dates.</li> <li>• Fund utilization/adjustment detail are not available</li> </ul>
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**Team IIC compliment the project teams listed from Sr. 1 to 13 for their active participation and efforts put in for the realization of the allocated projects.**

*Dr. A.S. Arora*  
29/3/2023  
**Dr. A.S. Arora**  
President, IIC

*Dr. Surita Maini*  
29/03/23  
**Dr. Surita Maini**  
Vice-President, IIC

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