

## SPONSORED PROJECTS & INTERNSHIP (2020-21)

Following data shows the sponsored projects & internship from various industries in the academic year 2020-21.

1. The project entitled “Solar Operated Grass Cutter”, under the guidance of Dr.Shriniwas. S Metan from *Shardashram Foundation Pune*.
2. The project entitled “Solar Operated Self Balancing Vehicle”, under the guidance of Dr.Shriniwas. S Metan from *La Fondation Dassault Systems Ltd Pune*.
3. The project entitled “Design and Development of Community Based Solar Tree for Rural Area”, under the guidance of Dr.Shriniwas. S Metan from *La Fondation Dassault Systems Ltd Pune*.
4. The project entitled “Multipurpose Solar Lantern and Solar Home Light System.”, under the guidance of Dr. Shriniwas S Metan from *Shardashram Foundation Pune*.
5. The project entitled “Solar water purifier for rural masses with zero water reject”, under the guidance of Dr.B K Sonage from *La Fondation Dassault Systems Ltd Pune*.
6. The project entitled “Design and Development of Solar operated Street light” under the guidance of Prof. S.S. Kale from *Shardashram Foundation Pune*.
7. The project entitled “Solar operated automatic water sprinkler system for smart agriculture.”, under the guidance of Prof. S.S. Kale from *La Fondation Dassault Systems Ltd Pune*.
8. The project entitled “Design & Modeling of compact 10 W solar panel laminating machine”, under the guidance of Prof.C.V. Papade from *Shardashram Foundation Pune*.
9. The project entitled “Design & development of heat exchanger for solar water heater application”, under the guidance of Prof. C.V. Papade from *Trend Innovations Ltd Pune*.
10. The project entitled “Design and Development of Solar Panel Laminating Machine”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
11. The project entitled “Design and Development of Solar DC Water Pump”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
12. The project entitled “IOT Based Solar Dehydration System with Energy Storage Material for Agricultural Products”, under the guidance of Prof. C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.

13. The project entitled “Design & Development of Solar Operated Milk Pasteurization System”, under the guidance of Prof.C.V. Papade from *La Fondation Dassault Systems Ltd Pune*.
14. The project entitled “Design and Development of Solar Thermoelectric Refrigerator for remote site”, under the guidance of Prof. D.D. Bhoge from *La Fondation Dassault Systems Ltd Pune*.
15. The project entitled “Energy Generation using Vertical Axis Wind Turbine Integrated with Solar Panel”, under the guidance of Prof. B R. Birajdar from *Autodesk, Pune*.
16. The project entitled “Design and Development of AASAN : A Seat for Backpain Relief”, under the guidance of Prof. V.P. Kulkarni from Advik India.
17. The project entitled “Shop Floor Layout Optimisation to reduce the lead time in ADVIK”, under the guidance of Prof. V.P. Kulkarni from Advik India.

<b>Mechanical Engineering Department</b>				
<b>B.E. Sponsored Projects 2018-19</b>				
<b>Sr. No.</b>	<b>Project Guide</b>	<b>Project Title</b>	<b>Project Sponsor Agency</b>	<b>No. of Students</b>
1	Prof.S.S.Kale	Design & Development of Water Level Indicator for Tanks in Indian Railway Bogies	DRM Office ,Solapur	5
2	Prof.C.V.Papade	Design and development of Cooling Fan for Lathe Machine Operator	Precise Engineers Solapur	5
3	Prof.A.H.Kamble	Design and Analysis Honeycomb Structure for Fuselage	Aakar Engineering Solutions Solapur	4
4	Prof.S.S.Kale	Design and Development of End runner Mill for Ayurvedic Medicine	Dr. Bedekar Hospital	5
5	Prof.B.R.Birajdar	Development of "Weedicides" Application Module.	Krishi Vigyan Kendra, Solapur	4
6	Dr.S.S.Metan	Design and development of suspension system for Formula	Tata Technologies	4

		Student Vechicle		
7	Prof.A.S.Kashid	Design and Development of Cloth Duster for Textile Industries	Dhaiphule Industries, Solpaur	4
8	Prof.V.P.Kulkarni	Design and Development of Omni directional air cooler	Katare Infomatics, Solapur	4
9	Dr.B.K.Sonage	Tender Sorghum Grain Seperator	Solapur Muncipal Corp.	5
10	Prof.B.R.Birajdar	Development of Mini Kitchen Garden Model	Krishi Vigyan Kendra, Solapur	3

<b>Mechanical Engineering Department</b>				
<b>B.E. Sponsored Projects 2017-18</b>				
<b>Sr. No.</b>	<b>Project Guide</b>	<b>Project Title</b>	<b>Project Sponsor Agency</b>	<b>No. of Students</b>
1	Dr.S.S.Metan	Design & Analysis of Centering and Facing Lathe Machine	Renuka Engg. Works, Company Ltd., MIDC, Akkalkot Road, Solapur.	5
2	Prof.M.S. Dafedar	Design & Development of Electric Winding machine	Laxmi Hydraulic Pump Pvt.Ltd. Solapur	5
3	Prof.C.V.Papade	Design & Development of Fixture for Weldment	Chromewell Engineering Limited Pune	4
4	Prof.N.R.Patil	Design and Development of ankle Maachine to Prevent DVT	Dr. BhagwatPhysiotherapy Center,Solapur	5