

GIZ MASSIA Project List 2019-20

Sr. No.	Title	Category	Problem	Expected Solution	MSME	Industry Coordinator	Mentor	Students
1	Eliminate leakage problem observed between monotube cylinder and endcap	Process improvement	Currently leakage between monotube cylinder and endcap due to welding process is getting detected at inspection stage adding to rework cost & also performance of shock absorber assembly at customer end	Improvement in process efficiency & customer satisfaction	Set On Site Electricals	Abhishek Modani	Prashant M Ambad	KrushnaMurmude,
								Sonne Shivaji
2	Improve on shot blasting process cost	Automation	Current process cost for shot blasting process is higher & hampering overall cost	It will save cost for the process	Neel Steel Pvt. Ltd.	Sumit Malani	Shantanu B. Charthankar	Rushikesh Chavan,
								Samadhan Agale,
								Himanshu Themaskar, Bhushan Gaikwad
3	Improve bar feeding process, process to enhance overall efficiency	Process Improvement	Current bar pushing process leads to material wastage, productivity & also fatigue to operator	Push pointer mechanism and fixture is required for feeding a bar for threading operation. Hydraulic push pointer mechanism needs to be designed in order to reduce human effort, reduce waste and increase productivity.	Neel Steel Pvt. Ltd.	Sumit Malani	Dr. Chetan D. Kuthe	Dnyaneshwar Nalawade, Sumit P. Gajarlawar, Bhushan R. Pachare
4	Develop user friendly digital solution for capturing & sharing of working space details	Software Development	Currently, startups are looking for working space. They are facing a problem of Identifying appropriate working space.	An android app will represent the company's profile digitally as well as it will make easier to cater to the clients.	Kaarobaar Co-working Space	Kaustubh Jadhav	Kiran Khandarkar	AnupKulkarni, AdityaKhajindar, Mayur Bidve
5	Improve customer feedback for uneven chamfering on all odd shape gauges	Process improvement	Current process leads into uneven chamfering on all odd shape gauges which get noticed by customer & feedback of same is getting regularly	Reduction in process time, less operator skill required	K. C. Precision	Govind Bhagwat	Izharuddin A. Quazi	Vaidehi Deelip Bramhapurkar,
								Sahil Gawai, Kaivalya Satish Suryawanshi

6	Ensure regrinding of press tools at specified frequency to avoid rework	Digitalization	Regrinding of press tools is going beyond specified cycles which results in additional rework.	Monitor tool life , reduce manpower and cost and sustain quality of product	Sangram Auto Components	Narendra Deshmukh	Umesh D. Shirale	Pooja Eknath Gadekar, Tejaswini Watane, Tejashree Arun Deshpande
7	Develop machine wise operator identification system	Process improvement	No system for identification of operator on 6 no.of press machines used for brake drum back plate stamping	Foolproof system for Identification of machine wise operator, Record operator wise working time for each machine	Sangram Auto Components	Narendra Deshmukh	Ms. Sarita V. Verma	Vishal Garud, Bhagyshree Pardeshi, Apoorva Kunde
8	Simplify oil & burr removal process for tubes used in shock absorber assembly	Process improvement	Current oil and burr removal process is cumbersome which is adding fatigue to the operator and needs more manpower	Reduction in manpower cost, improvement in process quality	Mahesh Industries	Shripad Kulkarni	Dr. Ganesh S. Sable	Kandle Vallabh, Aarti Digambar Sawle, Samiksha Vijay Chauhan
9	Ensure welding location accuracy in shocker bush during MIG welding process	Process improvement	As shocker bush doesn't get located properly during MIG welding it leads to rejection and accordingly rework cost	Reduction in rework cost	Accrete Electromech Pvt Ltd	Mr. Abhishek Modani	Prashant T. Borleparwar	Arjun Govindrao Vaidya, Gautam Patil
10	Automation for the surface coating operation	Process improvement	Surface coating operations on products is carried out manually which involves dipping of the products in various chemical solutions. This is cumbersome process and involves lot of manpower and high cycle time.	Automatic conveyor system will be designed which will reduce the requirement of manpower and also improve the total cycle time required for the surface coating operation.	Shriram Engineers	Anil Patil	Sameer B. Patil	Rushikesh Vilasrao Kale, Jadhav Bhushan Babasaheb, Pratik Sanjay Pitale

11	Improve visibility of Set on site pvt. ltd. & products during web search	Software Development	Currently visibility of Set on site pvt. ltd. during web search is not in line with benchmark.	Improvement in rank	Set On Site Electricals	Abhishek Modani	Ms. Kavita Bhosle	Shubham Jadhav, Shubham Patil
12	Monitoring system for the electrical parameters of press machine.	Automation	Electrical motors /drives connected to pressing machine draw high current when in no-load condition and with load conditions. unnecessarily high capacity machines are used for the smaller jobs which require excess power.	1 Tracking of all the electrical parameters of machine with real time basis is required for calculation. 2 Auto generated auto extracted data is required and should be used to provide the solution. 3 Minimization in power	Shree Engineering	Shrikant Joshi	Mr. R. L. Gaike	Gaurav Dahale , Omkar Prayag Sai Shivaji Saudar
13	Enhance productivity and accuracy of Inspection system of seat pipe	Automation	Inspection system for seat pipe used in brake absorber system is time taking and doesn't ensure 100% ok parts	improvement in accuracy of measurement, reduction in manpower cost, eliminate wear & tear of measurement gauges	Jotiba Tech. Pvt. Ltd.	Sudhir Surve	Dr. Ms. Shilpa P. Kodgire	Kunal Padamwar, Ashvini Paithankar, Surashree Videkar
14	Enhance capacity of CNC machine 1 & 2 used for manufacturing of seat pipe	Process improvement	Current capacity of CNC1 & CNC 2 machine is 1,500,00 which doesn't permit to take additional order	The industry want to increase the capacity and the productivity using OEE.	Jotiba Tech. Pvt. Ltd.	Sudhir Surve	Nitin M. Sakhare	Ravindra Deokate, Satyaprakash Vispute, Akash Muswad
15	Improve on manufacturing cost required to remove excess leads on PCB's	Process improvement	Current process develops excess leads on all PCB which add ups manufacturing cost for removal of same	Improvement in productivity, safety and through put time	Manu Electricals LEDs and PCB	Dr. V.S. Deolankar	Dr.Kishor Kulkarni	Chinmay Tornekar, Wankhede Vijay, Sawkhedkar Arun
16	Digitisation of salary system	Digitalization	Currently Monthly salary is calculated manually which is time consuming and also having errors	Improve efficiency of salary system, maintenance of salary records for longer period , Improvement in performance appraisal system.	Manu Electricals Current Transformer	Dr. V. S. Deolankar	Shailesh Biradar	Kaustubh Tulaskar, SujitDeshmukh, Shripad Kulkarni
17	Reduce PCB assembly rejection cost (used in lightning system)	Process improvement	Dry & over solder problem in PCB assembly leads to rejection & high rejection cost.	Rework cost reduction	Manu Electricals Drivers	Dr. V.S. Deolankar	Prashant Bharad	Darshana Tangsale, Harshada Patil, Pratiksha Athave