

Name of Evaluating Mentor: Subodh Gadgil

Name of Student: Abhaysinh Shivajirao Kore Saish Vishwambhar Gaonkar Nitin Shivaji Pawade Aniket Nandakumar Kamalkar Prathamesh Prabhakar Patil

Project Title: 3d Printer for Cake Icing

Sr. No.	Evaluation Parameters	Scored	Out off
1.	Categorization of Project Work with proper justification	150	200
2.	Problem definition/articulation & solution analysis with respect to ideal and practical situation	65	100
3.	Hardware/ Software resources used, skill sets acquainted. Bill of Material	80	100
4.	Project Work Outcome & In-depth (Need Assessment)	400	600
5	Cost Effectiveness of Solution Provided with supporting evidence	70	100
6	Sustainability and commercialization of solution provided	250	400
	Total	1015	1500

Mentor Comment/Feedback

- The students have come up with a good idea.
- The students would have really developed their technical skills in the development of the prototype. It would be good to see the actual prototype.
- It would be great if they start looking at the customer first. Most of the bakery business is unorganized and fragmented. In most instances, it is operated by people with low computer literacy. Therefore, it would need a lot of effort to reach out to individual bakers, teach them to design and print cakes using software, and eventually attending to their maintenance calls. These aspects would add a lot of costs and would need additional skills. They are not considered in the product cost. It is therefore unlikely that the product could be sold in mass-market at Rs.16000.
- Also, some technical features would need to be added in the future. These include an effective cooling system, a system for clean-in-place, etc. These are not identified in the problem definition and therefore not addressed in the design.
- The cost and time for getting regulatory clearances from FSSAI are not considered in the project.

Does project work has a potential of start-up/commercialization/patent filing hence to be elevated (Yes/No)

- The actual market may be big. The project has considered a very conservative number. However, unless a business plan is put together that includes legal, financial, product development and support, sales, HR, and other expenses, it would be difficult to gauge the viability of this project. As disclosed in their project report, the idea is not patentable.