

## Annexure – III

**Suggested Rubric for Assessment of Micro Project**

(The marks may be allotted to the characteristics of the Micro Project by considering the suggested rubrics )

S. No	Characteristic to be assessed	Poor ( Marks 1-3 )	Average ( Marks 4 - 5 )	Good ( Marks 6 - 8 )	Excellent ( Marks 9- 10 )
1	Relevance to the course	Related to very few LOs	Related to some Los	Addressed at-least one CO	Addressed more than one CO
2	Literature Review/information collection	Not more than two sources (primary and secondary), very old reference	At-least 5 relevant sources, at least 2 latest	At –least 7 relevant sources, most latest	About 10 relevant sources, most latest
3	Completion of the Target as per project proposal	Completed less than 50%	Completed 50 to 60%	Completed 60 to 80%	Completed more than 80 %
4	Analysis of Data and representation	Sample Size small, data neither organized nor presented well	Sufficient and appropriate sample, enough data generated but not organized and not presented well. No or poor inferences drawn	Sufficient and appropriate sample, enough data generated which is organized and presented well but poor inferences drawn	Enough data collected by sufficient and appropriate sample size. Proper inferences drawn by organising and presenting data through tables, charts and graphs.
5	Quality of Prototype/Model	Incomplete fabrication/assembly.	Just assembled/fabricated and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/finish is shabby.	Well assembled/fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish . But no creativity in design and use of material	Well assembled/fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish/appearance. Creativity in design and use of material
6	Report Preparation	Very short, poor quality sketches, Details about methods, material, precaution and conclusions omitted, some details are wrong	Nearly sufficient and correct details about methods, material, precautions and conclusion, but clarity is not there in presentation. But not enough graphic description.	Detailed, correct and clear description of methods, materials, precautions and Conclusions. Sufficient Graphic Description.	Very detailed, correct, clear description of methods, materials, precautions and conclusions. Enough tables, charts and sketches
7	Presentation of the Micro project	Major information is not included, information is not well organized .	Includes major information but not well organized and not presented well	Includes major information and well organized but not presented well	Well organized, includes major information ,well presented
8	Viva	Could not reply to considerable number of question.	Replied to considerable number of questions but not very properly	Replied properly to considerable number of question.	Replied most of the questions properly

**Annexure- IV****Micro Project Evaluation Sheet****Name of Student:** Kulkarni Prasanna Amol**Title of the Micro-Project:** Causes and Effects of Environmental Pollution**Course Outcomes Achieved:**

- a) Develop Public awareness about environment
- b) Conserve Ecosystem and Biodiversity
- c) Apply techniques to reduce Environmental Pollution
- d) Manage social issues and Environmental Ethics as lifelong learning

Sr. No.	Characteristic to be assessed	Poor (Marks 1 - 3)	Average (Marks 4 - 5)	Good (Marks 6 - 8)	Excellent (Marks 9- 10)	Sub Total
(A) Process and Product Assessment (Convert above total marks out of 6 Marks)						
1	Relevance to the course					
2	Literature Review/information					
3	Completion of the Target as per project proposal					
4	Analysis of Data and representation					
5	Quality of Prototype/Model					
6	Report Preparation					
(B) Individual Presentation / Viva (Convert above total marks out of 4 Marks)						
7	Presentation					
8	Viva					

(A) Process and Product Assessment (6 marks)	(B) Individual Presentation/Viva (4 marks)	Total Marks (10 marks)

**Comments/Suggestions about team work/leadership/inter-personal communication (if any)**

**( Prof. S. S. Shah )**  
Lecturer in Industrial Electronics