



Proposal & Final Project
Evaluation

Proposal Evaluation

- Proposal Evaluation Criteria
 - Problem Statement & Identification (15%)
 - Definition of aims and objectives (10%)
 - Innovation (25%)
 - Application of Technology (25%)
 - Viability of proposal (25%)
- Every proposal will be evaluated by minimum of two judges.
- Participants from the previous Tech4Good 2023 are encouraged to participate with new and innovative ideas, which would add to the diversity and creativity of the competition, otherwise, they can join with previous projects with justifiable, observable and quantifiable 3 key enhancements, features and upgrades.

Tech 4 Good
Challenge

Proposal Evaluation Rubric

Evaluation	Unacceptable (0)	Poor (1)	Marginal (2)	Average (3)	Good (4)	Excellent (5)
Problem Statement & Identification	Problem area not discussed	Poor description of problem area	Problem area is quite clearly stated	Problem area is correctly identified, well formulated	Problem area is explicitly identified, described and analyzed	Problem area is very clearly stated, and analyzed in depth, covering dependencies and inter-relationships with other problems.
Definition of aims and objectives	Aims and objectives not provided	Unclear or vague aims and objectives provided	General aims and objectives provided	General aims and objectives are well defined	Specific aims and objectives are clearly formulated and obviously derived from the provided introductory section	Specific aims and objectives, which are obviously and unquestionably derived from the identified problem area, are explicitly and clearly defined
Innovation	Proposed idea does not introduce change to current practice	Propose idea only introduce minor changes to the current practice	The proposed idea introduce change to the current practice	The proposed demonstrates viable change to the current practice.	The proposed idea demonstrates viable change to the current practice. with means of adoption provided	Proposed idea introduce a viable revolutionary idea or significant improvement to the current practice unseen in previous project

Proposal Evaluation Rubric

Evaluation	Unacceptable (0)	Poor (1)	Marginal (2)	Average (3)	Good (4)	Excellent (5)
Application of Technology	No details provided in the adoption of technology	Provide the use of technology without any support or justification	Use of technology in solving the problem with justification	Use of technology in solving the problem with proper justification	Effective application of technology for the problem with proper justification	Concise and effective application of technology with proper justification on the use of technology
Viability of proposal	No valid outcome or measure of success	Provided outcome it is not link appropriately to the problem statement	Only provided possible outcome for the proposal	Provided outcome with measure of success	Provided outcome with the measure of success with limitation and cost provided	Provided valid and structured measures of success for the proposal while understanding the risk, limitation, cost, and timeframe for the adoption of the solution.

Final Project Evaluation

- Final Evaluation Criteria
 - Solution to the proposed problem (25%)
 - Methodology of the proposed solution (20%)
 - Real-world application & impact of the project (25%)
 - Project execution & teamwork (10%)
 - Project demonstration and presentation (10%)
 - Project question and answer (10%)

Final project Evaluation

Evaluation	Unacceptable (0)	Poor (1)	Marginal (2)	Average (3)	Good (4)	Excellent (5)
Solution to the proposed problem	No solution shown or no attempt at finding a solution	Attempted solution do not actually achieve the defined project objectives or resolve the problem	Proposed solution achieves some of the project objectives or partially resolves the problem	Proposed solution achieves most of the project objectives or resolves the problem adequately	Proposed solution achieves every project objective or provides an optimal solution to the problem	Proposed solution achieves all project objectives or provides the best solution to the problem
Methodology of the proposed solution	No description of project's methodology	Incomplete description of methodology	Quite sufficient description of methodology	Methodology is well described providing basic information to carry out a project	Methodology is clearly described providing all necessary information to carry out a project and reproduce the results	Methodology is described in very clear unquestionable manner to provide all necessary details for design and development
Real-world application & impact of the project	No studies provided on the outcome of the project	Studies conducted, however the link to the objectives are unclear	Studies on the prototype are conducted with proper links to the objectives.	Studies are conducted on the developed prototype with the objectives in mind. Results obtained from the studies do not show a clear link in achieving the objectives.	Studies are conducted on the developed prototype. The developed prototype can achieve the objectives defined in the proposal.	Proper studies are conducted on the developed prototype. The results are precise and adequately presented. The developed prototype can achieve the objectives defined in the proposal

Final project Evaluation

Evaluation	Unacceptable (0)	Poor (1)	Marginal (2)	Average (3)	Good (4)	Excellent (5)
Project execution & teamwork	No evidence of project execution	Task taken to complete the project is partially listed	Main task are listed	Main tasks are well identified. With resources (time, cost, material etc.) on tasks identified	All tasks are clearly identified and explained; all planned tasks/items are achieved timely	All tasks are clearly identified and well explained; all necessary resources spent are allocated and clearly justified; all planned tasks/items are achieved as planned and successfully
Project demonstration and presentation	Problem solution not demonstrated	Demonstrated solution fails to solve the specified problem and does not achieve any of the objectives	Demonstrated solution falls short of solving the specified problem and does not achieve a majority of objectives	Demonstrated solution solves the specified problem and achieves a majority of objectives	Demonstrated solution provides an optimal solution to the specified problem and similar problems; achieves all objectives	Demonstrated solution provides the best solution to the specified problem and similar problems while achieving all project objectives
Project question and answer	Unable to answer question(s)	Out-of-topic or evasive answers to questions	Partly appropriate answers to questions	Concise answers provided	Detailed straight to the point and yet succinct answers provided	Thorough, well elaborated and very convincing answer provided with strong engineering justificatoin