Assessment Matrix:

Module 1.0: Indian Knowledge Systems

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Task 1.1a **Abstraction and Form 1** (Individual Assessment)	Abstraction and Form Giving tasks are yet to be done - by Visualisation of the Idea as sketches	Abstraction and Form Giving tasks were just about done by Visualisation of the Idea as sketches	Abstraction and Form Giving tasks were moderatley done by Visualisation of the Idea as sketches	Abstraction and Form Giving tasks were fairly done by Visualisation of the Idea as sketches	Abstraction and Form Giving tasks were done very well by Visualisation of the Idea as sketches
Task 1.1b **Abstraction and Form 2** (Individual Assessment)	Abstraction and Form Giving tasks are yet to be done – by creating an appropriate story and then visualizing it as images	Abstraction and Form Giving tasks were jus about done by creating an appropriate story and then visualizing it as images	Abstraction and Form Giving tasks were moderatley done by creating an appropriate story and then visualizing it as images	Abstraction and Form Giving tasks were fairly done by creating an appropriate story and then visualizing it as images	Abstraction and Form Giving tasks were done very well by creating an appropriate story and then visualizing it as images
Task 1.2a **Elements of Nature 1** (Individual Assessment)	The pictures of articles/things mapping (representation) to each of the elements of nature are yet to be done	The pictures of articles/things mapping (representation) to each of the elements of nature were just about done	The pictures of articles/things mapping (representation) to each of the elements of nature were moderatley done	The pictures of articles/things mapping (representation) to each of the elements of nature were fairly done	The pictures of articles/things mapping (representation) to each of the elements of nature were done very well.
Task 1.2b **Elements of Nature 2** (Individual Assessment)	The mapping (representation) to human body the keywords and the elements of nature are yet to be done	The mapping (representation) to human body the keywords and the elements of nature were just about done	The mapping (representation) to human body the keywords and the elements of nature were moderatley done	The mapping (representation) to human body the keywords and the elements of nature were fairly done	The mapping (representation) to human body the keywords and the elements of nature were done very well.
Task 1.2c **Elements of Nature 3** (Individual Assessment)	The mapping of design principles for organizing the chosen objects in terms of hierarchy is yet to be done	The mapping of design principles for organizing the chosen objects in terms of hierarchy was just about done	The mapping of design principles for organizing the chosen objects in terms of hierarchy was moderatley done	The mapping of design principles for organizing the chosen objects in terms of hierarchy was fairly done	The mapping of design principles for organizing the chosen objects in terms of hierarchy was done very well.

Task 1.3a **Grids and Compositions 1** (Individual Assessment)	The Identification of grids and other factors in sacred architectural spaces is yet to be done	The Identification of grids and other factors in sacred architectural spaces was just about done	The Identification of grids and other factors in sacred architectural spaces was moderatley done	The Identification of grids and other factors in sacred architectural spaces was fairly done	The Identification of grids and other factors in sacred architectural spaces was done very well.
Task 1.3b **Grids and Compositions 3** (Individual Assessment)	The identification of design principles in sculptures is yet to be done	The identification of design principles in sculptures was just about done	The identification of design principles in sculptures was moderatley done	The identification of design principles in sculptures was fairly done	The identification of design principles in sculptures was done very well.
Task 1.4a **Grids and Patterns 1** (Individual Assessment)	The Identification of grids and other factors in Rangoli pattern as well as making of one ia yet to be done	The Identification of grids and other factors in Rangoli pattern as well as making of one was just about done	The Identification of grids and other factors in Rangoli pattern as well as making of one was moderatley done	The Identification of grids and other factors in Rangoli pattern as well as making of one was fairly done	The Identification of grids and other factors in Rangoli pattern as well as making of one was done very well.
Task 1.4b **Grids and Patterns** (Individual Assessment)	The drawing of recurring patterns as fractals ia yet to be done	The drawing of recurring patterns as fractals was just about done	The drawing of recurring patterns as fractals was moderatley done	The drawing of recurring patterns as fractals was fairly done	The drawing of recurring patterns as fractals was done very well.

Assessment Matrix:

Module 2.0: Design for Personal Space

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Task 2.1a **Observation and Asking Questions** (Individual Assessment)	Observation, Asking Questions and making a mind-map is yet to be done	Observation, Asking Questions and making a mind-map was poorly done	Observation, Asking Questions and making a mind-map was done moderatley well	Observation, Asking Questions and making a mind-map was done fairly well	Observation, Asking Questions and making a mind-map was done very well
Task 2.1b + 2.1c **Primary + Sec Research** (Individual Assessment)	The Primary and secondary research is yet to be done	The Primary and secondary research was poorly done	The Primary and secondary research was done moderatley well	The Primary and secondary research was done fairly well	The Primary and secondary research was done very well
Task 2.1d **Analysis** (Individual Assessment)	The analysis of the personal problem space is yet to be done	The analysis of the personal problem space was poorly done	The analysis of the personal problem space was done moderatley well	The analysis of the personal problem space was done fairly well	The analysis of the personal problem space was done very well
Task 2.2a **Creativity and Alternate Ideas** (Individual Assessment)	Needs to come out with creative innovative alternate ideas along with sketches	Just about comes out with creative innovative alternate ideas along with sketches	Moderately comes out with creative innovative alternate ideas along with sketches	Fairly comes out with creative innovative several alternate ideas along with sketches	Comes out with several creative innovative alternate ideas along with sketches
Task 2.2b **Mock-up Prototype and Feedback**	The mock-up of the prototype of the final concept + feedback needs to be done	The mock-up of the prototype of the final concept + Feedback was just about done	The mock-up of the prototype of the final concept + Feedback was moderately done	The mock-up of the prototype of the final concept + Feedback was fairly done	The mock-up of the prototype of the final concept was done very well incorporating feedback from the users
Task 2.2c **Presentation** (Group Assessment)	The final presentation showing the design process and the final solution needs to be done	The final presentation showing the design process and the final solution was just about done	The final presentation showing the design process and the final solution was moderately done	The final presentation showing the design process and the final solution was fairly done	The final presentation showing the design process and the final solution was done very well

Design Thinking for Grades 12

Assessment Matrix:

Module 2.0: Design for Social Spaces

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Task 3.1a **Observation and Asking Questions** (Individual Assessment)	Observation, Asking Questions and making a mind-map is yet to be done	Observation, Asking Questions and making a mind-map was poorly done	Observation, Asking Questions and making a mind-map was done moderatley well	Observation, Asking Questions and making a mind-map was done fairly well	Observation, Asking Questions and making a mind-map was done very well
Task 3.1b + 2.1c **Primary + Sec Research** (Individual Assessment)	The Primary and secondary research is yet to be done	The Primary and secondary research was poorly done	The Primary and secondary research was done moderatley well	The Primary and secondary research was done fairly well	The Primary and secondary research was done very well
Task 3.1d **Analysis** (Individual Assessment)	The analysis of the personal problem space is yet to be done	The analysis of the personal problem space was poorly done	The analysis of the personal problem space was done moderatley well	The analysis of the personal problem space was done fairly well	The analysis of the personal problem space was done very well
Task 3.2a **Creativity and Alternate Ideas** (Individual Assessment)	Needs to come out with creative innovative alternate ideas along with sketches	Just about comes out with creative innovative alternate ideas along with sketches	Moderately comes out with creative innovative alternate ideas along with sketches	Fairly comes out with creative innovative several alternate ideas along with sketches	Comes out with several creative innovative alternate ideas along with sketches
Task 3.2b **Mock-up Prototype and Feedback**	The mock-up of the prototype of the final concept + feedback needs to be done	The mock-up of the prototype of the final concept + Feedback was just about done	The mock-up of the prototype of the final concept + Feedback was moderately done	The mock-up of the prototype of the final concept + Feedback was fairly done	The mock-up of the prototype of the final concept was done very well incorporating feedback from the users

Assessment Matrix:

Module 3.0: Design for Public Spaces

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Task 4.1a **Observation and Asking Questions** (Individual Assessment)	Observation, Asking Questions and making a mind-map is yet to be done	Observation, Asking Questions and making a mind-map was poorly done	Observation, Asking Questions and making a mind-map was done moderatley well	Observation, Asking Questions and making a mind-map was done fairly well	Observation, Asking Questions and making a mind-map was done very well
Task 4.1b + 4.1c **Primary + Sec Research** (Individual Assessment)	The Primary and secondary research is yet to be done	The Primary and secondary research was poorly done	The Primary and secondary research was done moderatley well	The Primary and secondary research was done fairly well	The Primary and secondary research was done very well
Task 4.1d **Analysis** (Individual Assessment)	The analysis of the personal problem space is yet to be done	The analysis of the personal problem space was poorly done	The analysis of the personal problem space was done moderatley well	The analysis of the personal problem space was done fairly well	The analysis of the personal problem space was done very well
Task 4.2a **Creativity and Alternate Ideas** (Individual Assessment)	Needs to come out with creative innovative alternate ideas along with sketches	Just about comes out with creative innovative alternate ideas along with sketches	Moderately comes out with creative innovative alternate ideas along with sketches	Fairly comes out with creative innovative several alternate ideas along with sketches	Comes out with several creative innovative alternate ideas along with sketches
Task 4.2b **Mock-up Prototype and Feedback**	The mock-up of the prototype of the final concept + feedback needs to be done	The mock-up of the prototype of the final concept + Feedback was just about done	The mock-up of the prototype of the final concept + Feedback was moderately done	The mock-up of the prototype of the final concept + Feedback was fairly done	The mock-up of the prototype of the final concept was done very well incorporating feedback from the users

Assessment Criteria:

Module 5.1: Capstone Project – Stage 1 – Understanding the Problem Space

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Ask Questions	The student asked is yet to ask questions and the Mind-map of the chosen topic is yet to be done.	The student asked a few questions and the Mind-map of the chosen topic was just about done.	The student asked some questions and the Mind-map of the chosen topic was somewhat done	The student asked questions and the Mind-map of the chosen topic was done fairly well.	The student asked questions and the Mind-map of the chosen topic was done very well.
Primary Research	The presentation of the Summary points of the Primary Research is yet to be done	The presentation of the Summary points of the Primary Research was just about done	The presentation of the Summary points of the Primary Research was somewhat done	The presentation of the Summary points of the Primary Research was fairly done well	The presentation of the Summary points of the Primary Research was very done well
Secondary Research	The presentation of the Summary points of the Secondary Research documentation is yet to be done	The presentation of the Summary points of the Secondary Research documentation was just about done	The presentation of the Summary points of the Secondary Research documentation was somewhat done	The presentation of the Summary points of the Secondary Research documentation was fairly done well	The presentation of the Summary points of the Secondary Research documentation was very done well
Analysis of the Problem to be solved	Analysis of the design problem is yet to be done with proper categorisation and assigning priorities.	Analysis of the design problem was just about done with proper categorisation and assigning priorities.	Analysis of the design problem was somewhat done with proper categorisation and assigning priorities.	Analysis of the design problem was done fairly well with proper categorisation and assigning priorities.	Analysis of the design problem was done very well with proper categorisation and assigning priorities.
Collating and Presentation	The collation/ summary of the different stages of this module is yet to be presented	The collation/ summary of the different stages of this module was presented just about well	The collation/ summary of the different stages of this module was presented somewhat well	The collation/ summary of the different stages of this module was presented fairly well	The collation/ summary of the different stages of this module was presented very well

Assessment Matrix:

Module 5.2: Capstone Project: Stage 2 - Ideating, sketching and alternatives

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Redefining or restating the problem	Is able to **identify** a problem and yet to develop a **simple** design brief	Is able to **identify** a problem and develop a **simple** design brief	is able to **identify** a problem and develop a **simple** design brief which has **few** relevant parameters of the problem	Is able to **identify** an **appropriate** problem and develop a design brief which has **some** relevant parameters of the problem	Is able to **identify** an **appropriate** problem and develop a detailed design brief which has **all** the relevant parameters of the problem
Ideation of solutions by sketching	Needs to complete the sketch of the possible ideas for solution to the problem	Completes a basic sketch of the possible ideas for solution to the problem	Completes an average sketch of the possible ideas for solution to the problem	Completes a good sketch of the suitable ideas for solution to the problem	Detailed and well-presented sketch of the possible creative ideas for solution to the problem
Information Mappings – Temporal and Spatial	The Temporal and Spatial Mappings are yet to be done	The Temporal and Spatial Mappings were just about done	The Temporal and Spatial Mappings were somewhat done	The Temporal and Spatial Mappings were fairly done well	The Temporal and Spatial Mappings were done well
Selecting the final Idea	The selection of the final idea is yet to be done	The selection of the final idea was just about done	The selection of the final idea was somewhat done	The selection of the final idea was fairly done well	The selection of the final idea was very done well
Collating and Presentation	The collation/ summary of the different stages of this section is yet to be presented	The collation/ summary of the different stages of this section was presented just about well	The collation/ summary of the different stages of this section was presented somewhat well	The collation/ summary of the different stages of this section was presented fairly well	The collation/ summary of the different stages of this section was presented very well

Assessment Matrix:

Module 5.3: Capstone Project: Stage 3 – Prototyping and Feedback

Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Prototyping	Needs to complete the prototype of one of the problem solution ideas.	Completes a basic prototype of the problem solution idea by using - 2D/3D design Sketches/Physical Prototyping/ Visualisation /3D Models	Completes an average and limited prototype of the problem solution idea by using - 2D/3D design Sketches/Physical Prototyping/ Visualisation /3D Models	Completes a good and appropriate prototype of the problem solution idea by using - 2D/3D design Sketches/Physical Prototyping/ Visualisation /3D Models	Completes a detailed and creative prototype of the problem solution idea by using - 2D/3D design Sketches/Physical Prototyping/ Visualisation /3D Models
Walkthrough	Needs to complete the walkthrough explaining the solution to the problem	The walkthrough explaining the solution to the problem was just about done	The walkthrough explaining the solution to the problem was somewhat done	The walkthrough explaining the solution to the problem was fairly done	The walkthrough explaining the solution to the problem was done well
Testing and Evaluation	Is able to **state** a testing strategy only	Is able to state a testing strategy and is able to **evaluate** the success of the prototype against **few** aspects of design specification.	Is able to state a testing strategy and is able to **evaluate** the success of the prototype against **some aspects** of design specification.	Is able to state a testing strategy and is able to **evaluate** the success of the prototype against **all design** specifications.	Is able to justify a testing strategy and is able to **evaluate** the success of the prototype against **all design** specifications.
Collating and Presentation	The collation/ summary of the different stages of this section is yet to be presented	The collation/ summary of the different stages of this section was presented just about well	The collation/ summary of the different stages of this section was presented somewhat well	The collation/ summary of the different stages of this section was presented fairly well	The collation/ summary of the different stages of this section was presented very well

Assessment Matrix:

Module 5.4: Capstone Project: Stage 4 – Final Presentation and Documentation

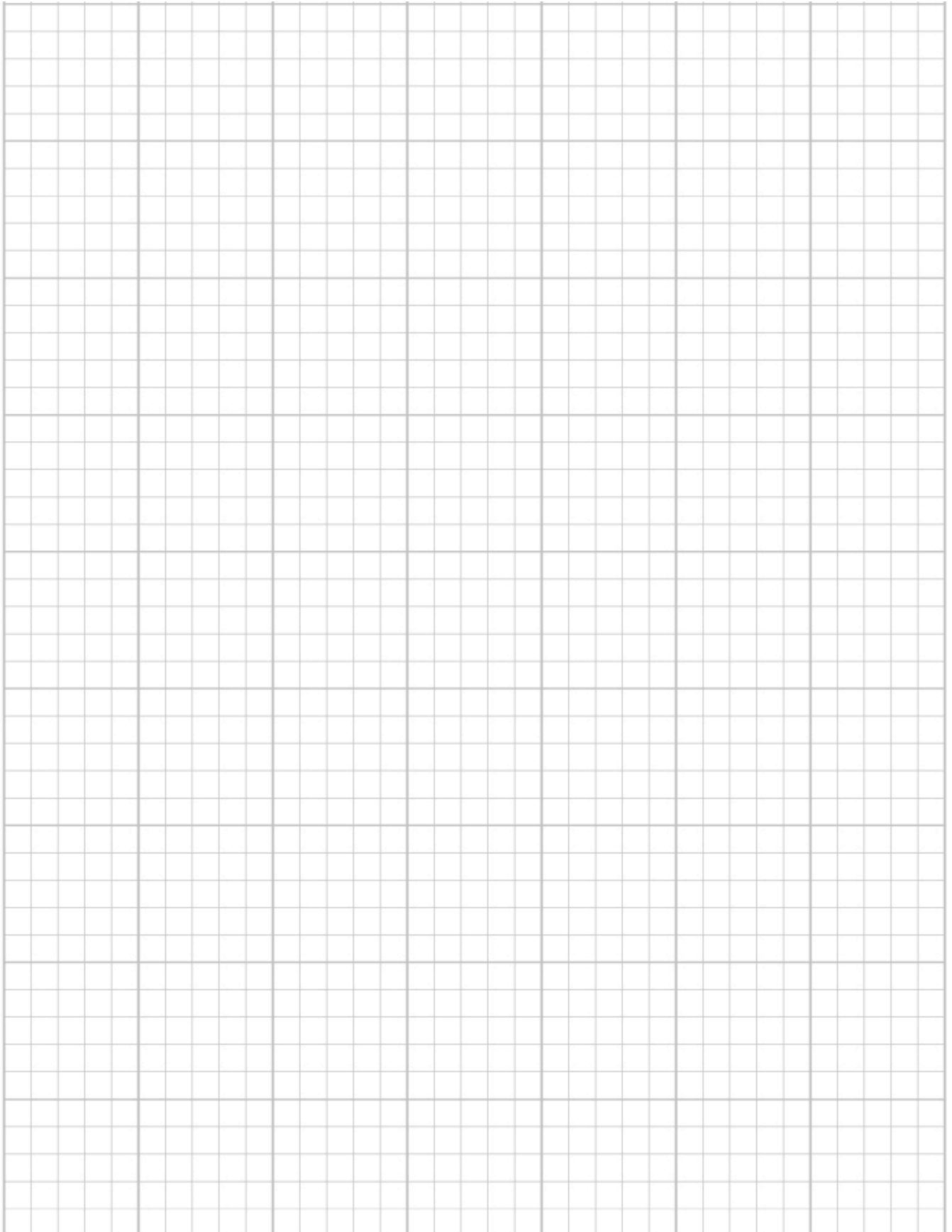| Achievement Levels	1-2 BEGINNING	3-4 DEVELOPING	5-6 PROMISING	7-8 PROFICIENT	9-10 EXCELLENT
Collating and Presentation	The collation/ summary of the different stages of this module is yet to be presented (Needs to complete the presentation beyond title and team members)	The collation/ summary of the different stages of this module was presented just about well (A limited presentation covering only a brief summary)	The collation/ summary of the different stages of this module was presented somewhat well (An average presentation with lack of clarity in the flow of ideas and stages undertaken in the project)	The collation/ summary of the different stages of this module was presented fairly well (A fairly good presentation with a logical structure of ideas and stages undertaken in the project.	The collation/ summary of the different stages of this module was presented very well (A detailed and effective presentation covering all stages of the project)
Documentation Report	Needs to complete the documentation report explaining the complete design process for solving the problem	The documentation report explaining the complete design process for solving the problem was just about done	The documentation report explaining the complete design process for solving the problem was somewhat done	The documentation report explaining the complete design process for solving the problem was fairly done	The documentation report explaining the complete design process for solving the problem was done well

Student Feedback Form:

NAME		CLASS	MODULE	TASK	ACTIVITY	DATE

Give a rating for each of the statements below:
- by placing a tick mark in the corresponding box.

	INADEQUATE	FAIR	GOOD	VERY GOOD	EXCEPTIONAL
Level of effort you put into activity					
Your level of knowledge at the start of the activity					
Your level of knowledge at the end of the activity					
Understanding of exposure slides/video					

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
I enjoyed doing the activity					
I understood the design principles while doing the task					
I liked trying out different creative variations					
I can apply design thinking process to problem solving					
I enjoyed working in collaboration with my group					

Additional Comments:

What I liked the most: What can be done better:				
What can be Added/Changed:				

Design Thinking for Grades 11
Teacher Feedback Form:

NAME		CLASS	MODULE	TASK	ACTIVITY	DATE

Comments:
- place a tick mark in the corresponding box.

	COMMENTS				
It was easy to deliver the exposure modules:	**STRONGLY DISAGREE**	**DISAGREE**	**NEUTRAL**	**AGREE**	**STRONGLY AGREE**
Your comments:					
It was easy/satisfying/enjoyable to conduct the task activities:	**STRONGLY DISAGREE**	**DISAGREE**	**NEUTRAL**	**AGREE**	**STRONGLY AGREE**
Your comments:					
No issues were faced with regard to assessment of the task:	**STRONGLY DISAGREE**	**DISAGREE**	**NEUTRAL**	**AGREE**	**STRONGLY AGREE**
Your comments					
Common questions posed by the students:					
Suggestions for improving the task or suggestion of another task:					
Other suggestions, if any:					

Grid Layout for Sketching and taking notes:

Credits

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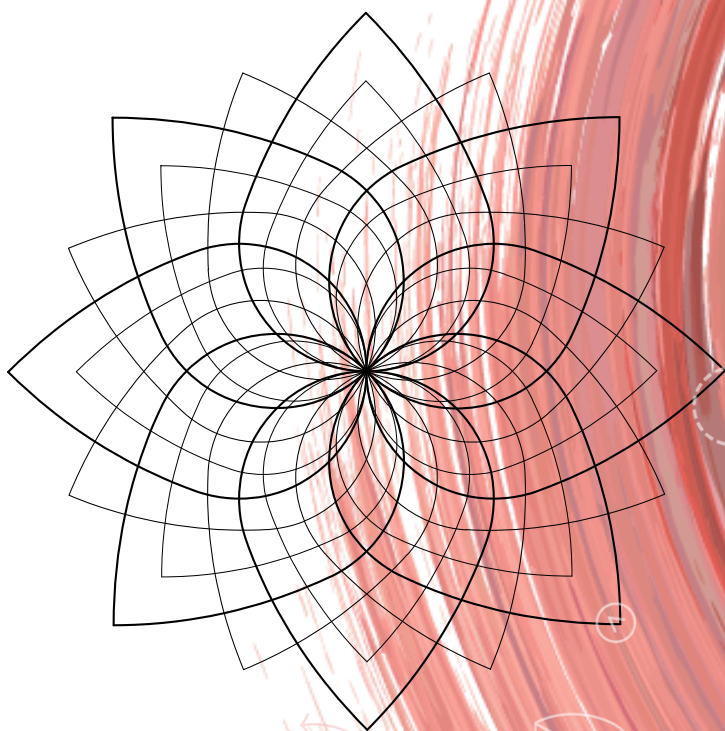
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Design Thinking and Innovation

for Grade 12, Semester 1 and 2

Taskbook

2022

Hope you enjoyed the Tasks !!!

CBSE, New Delhi