EP1000

Assessment 2021

Assessment Scheme

Sno	Code	Description	Weightage
1	CA1	Safety, Documentation Site	20%
2	CA2	Digital Fabrication Skills	40%
3	CA3	Summative Project	40%

CA1 Safety, Documentation Site

SNo	Description	Weightage
1	Fablab Safety (Pass)	20%
2	Documentation Site	
	• Demonstrates use of HTML & CSS	20%
	• Implementation on Github using git	20%
	• Site Construction	20%
	• Content	20%

Note: Each content is marked based on relevant material and clarity. Only a very small percentage is awarded to aesthetics.

CA1 Documentation Site - 1

SNo	Description	Weightage
2a	Demonstrates use of HTML & CSS	20%

	• Site implemented with JW template with modifications, or
	• Demonstrates implementation of a "sample" site using JW's template
	    • Size modified to 1024 width
	    • Changes in navigation bar
	    • Main, About, Content pages with Navigation
	    • Site structured into folders (e.g. images, projects)	

Note: Each content is marked based on relevant material and clarity. Only a very small percentage is awarded to aesthetics.

CA1 Documentation Site-2

SNo	Description	Weightage
2b	Implementation on Github using git	20%
	• Site repository: EP1000 • Site can be displayed using Github pages • Demonstrates the use of git to maintain project versioning • Submission of site URL	

CA1 Documentation Site - 3

SNo	Description	Weightage
2c	Site construction	20%
	• Site must be structured into folders (e.g. images, projects)	
	• Must be able to navigate to Main, About, Project, Final project pages	
	• Relevant material on Main, About, Project, Final project pages e.g. • Main introduces reader to site's purpose and use • About page has selfie and information about the author	

Note: Each page is marked based on relevant material and clarity. Only a very small percentage is awarded to aesthetics.

CA1 Documentation Site - 4

SNo	Description	Weightage
2d	Content	20%
	At least 2 write-ups on separate pages for work done in term 1, in the form of Instructables, how-to's or blog.	

	Examples:
	• Setting up a site using git & Github pages
	• Creating a site using Markdown
	• Using computer graphics
	    • Raster graphics and removing backgrounds
	    • Vector graphics and creating logos
	• Getting started with Fusion 360 for beginners
	• Using parametric modelling with Fusion 360
	• Creating 3D objects using Fusion 360 techniques	

Note: Each page is marked based on relevant material, clarity and originality.

CA2 Digital Fabrication Skills

SNo	Description	Weightage
1	3D Printing • Documentation & 3D Model of Chess piece (30%) • 3D Printed Model (30%) • Passed 3D Printing Assessment (40%)	40%
2	Computer Controlled Cutting • Documentation of workflow of box (30%) • Laser cut finished product (30%) • Passed Laser cutting Assessment (40%)	40%
3	Embedded Systems • Completed TinkerCAD Astable 555 assignment with documentation (60%) • Practical breadboarding of assignment (40%)	20%

Note: Each component must be supported by relevant site documentation

CA3 Summative Project

SNo	Description	Weightage
1	3D Printing	15%
2	Computer Controlled Cutting	15%
3	Embedded Systems (with Input/Output)	15%
4	Integration	20%
5	Presentation	15%
6	Documentation	15%
7	Innovation, Expertise, Work done	10%
	Total	**105**

Note: You can score a maximum of 100 marks out of 105. The 5 marks are bonus marks which may be gained in any section

EP1000

Assessment 2021

End