Assessment type		Course outcome percentage			
		CO1	CO2	CO3	Total (%)
Proposal		5	5	0	10
Progress	Progress 1	0	2	0	5
	Progress 2	0	3	0	
Project	Prototype	7	8	0	15
	Presentation	0	0	10	10
				Grand total (%)	40

Proposal evaluation

Type	CO	COMPETENCY	Weight	Full marks
Group	CO1	The idea / principle of the solution -explanation should describe the proposed idea in general	0.5	5
Group	CO1	Review of TWO EXISTINGS SYSTEM that have similarity with your idea. - explanation should analyse and highlight on features/strength/ weakness/advantage/disadvantage	0.5	5
Group	CO1	PROJECT MANAGEMENT FRAMEWORK - explanation should be on Agile-based project management framework, Gantt chart	1.5	15
Group	CO1	PROJECT REQUIREMENT - should describe the non-functional requirements related to the project.	1	10
Group	CO2	PROPOSED DESIGN - should describe the proposed design related to project requirement.	2	20
Individual	CO2	DATA DESIGN - should provide the ERD (up to 3NF), data dictionary and	1.5	15
Individual	CO2	PROPOSED DESIGN - should describe the visual design according to the module (presentation model/prototype interface)	1.5	15
Group	CO1	TESTING PLAN - should describe the relevant testing strategy/approach	0.5	5
Group	CO1	DEPLOYMENT PLAN - should describe the relevant deployment strategy, platform	0.5	5
Group	CO1	AI Turnitin report with similarity result not more than 30%.	0.5	5
			10	100

Progress 1 evaluation

	CO1: Design appropriate solution using fundamental web engineering concepts.
	CO2: Construct a web-based application prototype using HTML, web server, database and scripting language based on web-engineering methodology.
	CO3: Demonstrate communication effectively in written and oral form through group discussion, meeting and presentation session.

			PROGRESS 1						
TYPE	**CO**		**Failed**	**Very Weak**	**Weak**	**Moderate**	**Good**	**Excellent**	**WEIGHT**	**FULL MARKS**
		OUTCOMES	**0**	**1**	**2**	**3**	**4**	**5**	**2%**	**20**
GROUP	CO2	Setup development environment/repository	No development setup	20% of repository is setup	in between	50% of repository is setup	in between	Development environment is setup	0.2	2
GROUP	CO2	Create project database and tables in RDBMS	Database not created	1 table created	All tables from 1 module are connected	All tables from 2 modules are connected	All tables from 3 modules are connected	All tables are connected	0.2	2
GROUP	CO2		No PK/FK created	PK created for 1 table only	More 30% PK and FK are correct	More 50% PK and FK are correct	More 70% PK and FK are correct	More 90% PK and FK are correct	0.3	3
GROUP	CO2	Create web page design / layout structure	No design created	Layout applied with mininum design (e.g.: colour only)	in between	Layout applied for 2 modules, slightly easy to use and navigate	in between	Layout are consistant for all modules, easy to use and navigate	0.3	3
GROUP	CO2	Create login and logout page for all users	Login/logout not created	Login created without logout	in between	Correct login/logout implementation and session not kill	in between	Correct login/logout implementation and session kill	0.5	5
GROUP	CO2		Login/logout not created	Login/logout created for 1 user	Login/logout created for two users without password encryption	Login/logout created for 2 users with password encryption	Login/logout created for all users without password encryption	Login/logout created for all users with password encryption	0.5	5
									2	20

Progress 2 evaluation

			PROGRESS 2							
TYPE	CO	OUTCOMES	Failed	Very Weak	Weak	Moderate	Good	Excellent	WEIGHT	FULL MARKS
			0	1	2	3	4	5	3%	30
INDIVIDUAL	CO2		No insert function	Some values insert without PK generated	Some related values inserted to database table without PK	All related values inserted to database table without PK	Some values insert with PK generated	All related values insert to database table with correct PK generated	0.5	5
INDIVIDUAL	CO2	Data manipulation / Basic CRUD	No delete function	Delete all rows and columns in a table	in between	Some related values deleted from the database table according to the identified key	in between	All related values deleted according to the identified key	0.5	5
INDIVIDUAL	CO2		No update function	Update all rows and columns in a table	in between	Some related values updated from the database table according to the identified key	in between	All related values updated correctly according to the identified key	0.5	5
INDIVIDUAL	CO2		No view page	View page displayed unrelated data	in between	Only some values in a view page displayed	in between	Related values for a view page displayed correctly	0.5	5
INDIVIDUAL	CO2	Database	Database not according to the Progress 1	More than 10% of tables are maintained according to the Progress	More than 30% of tables are maintained according to the Progress	50% of tables are maintained according to the Progress 1	More than 70% of tables are maintained according to the Progress	More than 90% of tables are maintained according to the Progress	1	10
									3	30

Project evaluation

TYPE	CO	OUTCOMES	FULL PROTOTYPE						WEIGHT	FULL MARK
			Failed	Very Weak	Weak	Moderate	Good	Excellent	15%	60
			0	1	2	3	4	5		
INDIVIDUAL	CO1	Consistent web page design / layout stucture	No design created	Layout applied with mininum design (e.g.: colour only)	Layout applied but not consistent for all modules	Layout applied for 2 modules, slightly easy to use and navigate	Layout applied for 3 modules, slightly easy to use and navigate	Layout are consistent for all modules, easy to use and navigate	0.5	2
INDIVIDUAL	CO1	Apply login and logout page for all users	Login/logout not created	Login created without logout	in between	Correct login/logout implementation and session not kill	in between	Correct login/logout implementation and session kill	1	4
INDIVIDUAL	CO1	Use of HTML elements	No form provided	All input fields are using	in between	Many input fields using	in between	More than 90% suitable	1	4
INDIVIDUAL	CO1	Use of CSS framework (Bootstrap, Tailwind etc)	No framework used	1 page of UI using CSS framework	in between	Some UI using CSS framework	in between	More 80% UI using CSS framework	1	4
INDIVIDUAL	CO2	Implementation of JavaScript methods	No JavaScript methods	Method codes are provided but not working	in between	Only 1 method implemented	in between	More than 2 methods implemented	1	4
INDIVIDUAL	CO2	**Complete prototype requirements**	Not follow the requirements	20% of the prototype are complete according to the requirements	30% of the prototype are complete according to the requirements	50% of the prototype are complete according to the requirements	More 70% of the prototype are complete according to the requirements	More than 90% of the prototype are complete according to the requirements	1	4
INDIVIDUAL	CO2	QR code	No QR generator implementated	QR code generator given but not working	in between	Correct implementation of QR code generator but NOT able to save into the database table	in between	Correct implementation of QR code generator and save into the database table	0.5	2
INDIVIDUAL	CO2		No page provided once QR code scanned	No page developed, show only key information once QR code is scanned	in between	Develop a page but with **inappropriate** content once QR code is scanned	in between	Develop a page with appropriate content once QR code is scanned	0.5	2

Project evaluation (continue)

INDIVIDUAL	CO2		No single data displayed	Codes are provided but not working	Only one data representation from single database table but less appropriate and less meaningful form	More than one data representation from single database table but less appropriate and meaningful form	Only one data representation from single database table in appropriate and meaningful form	More than one data representation from single database table in appropriate and meaningful form	0.5	2
INDIVIDUAL	CO2		No join table data displayed	Codes are provided but not working	Only one data representation from multiple database tables but less appropriate and less	More than one data representation from multiple database tables but less appropriate and less	Only one data representation from single database table in appropriate and meaningful form	More than one data representation from multiple database tables in appropriate and meaningful form	2	8
INDIVIDUAL	CO2	Dashboard	No implementation of COUNT() / SUM()	Codes are provided but not working	Only one data representation using SQL COUNT() / SUM() but less appropriate and less meaningful form	More than one data representation using SQL COUNT() / SUM() but less appropriate and less meaningful form	Only one data representation using SQL COUNT() / SUM() in appropriate and meaningful form	More than one data representation using SQL COUNT() / SUM() in appropriate and meaningful form	0.5	2
INDIVIDUAL	CO2		No graphical representation of data (graph/chart)	Codes are provided but not working	One graphical representation data but less appropriate and meaningful form	More than one graphical representation data but less appropriate and meaningful form	One graphical representation data in appropriate and meaningful form	More than one graphical representation data in appropriate and meaningful form	1	4
INDIVIDUAL	CO2		No implementation of search	Codes are provided but not working	Provide one search function in less appropriate and less meaningful form	Provide one search function in appropriate and meaningful form	Provide more than one search function in appropriate and meaningful form	Provide more than two search function in appropriate and meaningful form	1	4
INDIVIDUAL	CO1	Module integration	No integration with other module	2 modules intergrated	3 modules are completely integrated but with minor error	3 modules are completely integrated and works without error	All modules are completely integrated but with minor error	All modules are completely integrated and works without error	1	4
INDIVIDUAL	CO1	Apply repository for deployment	No repository apply for deployment	Apply a repository but not utilize	Apply a repository to commit/deploy 1 module	Apply a repository to commit/deploy more than half modules	Apply a repository to commit 3 modules and apply deployment	Apply a repository to commit all modules and apply deployment	1	4
INDIVIDUAL	CO1	Prototype system flow	Illogical system flow	20% of the system flow are logic and acceptable	30% of the system flow are logic and acceptable	50% of the system flow are logic and acceptable	More 70% of the system flow are logic and acceptable	More than 90% of the system flow are logic and acceptable	1.5	6
									15	60

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Presentation

	CO	OUTCOMES	Failed 0	Very Weak 1	Weak 2	Moderate 3	Good 4	Excellent 5	WEIGHT 5%	FULL MARKS 20
						PRESENTATION				
ORAL	CO3	Oral Presentation: Capability to elloborate	No presentation	Student does not have the understanding to to eloborate their module.	Student explains on the basic information of the module only	Student is not comfortable with understanding to eloborate module and only can explain about the basic information in the module	Student have the understanding about the module design information, but not able elaborated clearly	Student has full understanding about their module and able to eloborate in detail module solution	2	8
		QnA	No Q&A	Cannot answer the question	Cannot response to the question confidently	Response to question with several attempts and some false statement .	Able to response to question with confident and some minor false statement .	Able to response to question confidently and correctly.	2	8
		Student attire and appearance	Student absent from presentation	Student does not follow the university attire	in between	The student is dressed 50% professionally according to the university attire guideline	in between	The student is dressed professionally according to the university attire guideline	1	4
									5	20

	CO	OUTCOMES	Failed 0	Very Weak 1	Weak 2	Moderate 3	Good 4	Excellent 5	WEIGHT 5%	FULL MARKS 20
						TECHNICAL REPORT				
WRITTEN & GROUP	CO3	Technical report content	No report submission	Provide more than 10% of the implementation	Provide more than 30% of the implementation	Provide more than 50% of the implementation	Provide more than 70% of the implementation	Provide complete content on implementation	2	8
			No report submission	Designs are according to the proposal	in between	50% updated design from the proposal	in between	Provide updated design from the proposal	1	4
		TEAM MANAGEMENT - Minutes / report of meeting or discussion.	No report provided	Provide meeting summary only	in between	Provide meeting summary with unclear description	in between	Provide meeting summary with clear description	1	4
		Peer assessment	No peer assessment	Peer assessment more than 10%	in between	Peer assessment more than 50%	in between	Peer assessment more than 90%	1	4
									5	20