GRADUATION PROJECT

HANDBOOK

2019–2020

Department of Computer Science

College of Computer Science and Information Technology

Jazan University, Jazan

Version 1.1

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ACKNOWLEDGEMENT

عَلَّمَ الإِنْسَانَ مَا لَمْ يَعْلَمْ

"Allamal-insanamalamya'lam"

(Teacheth the man, which he knew not)

This Graduation Project (GP) handbook is a combination of policies and procedures of graduate project in the Department of Computer Science, College of Computer Science and Information Technology at Jazan University, JAZAN.

The main purpose of this handbook is to provide a set of procedures and guidelines for graduation project deliverables as well as guidelines for the expected content of their required formats e.g., handbook contains information about the preparation, the implementation and the completion of the GP.

The intention of this handbook is to develop a standardized framework for undergraduate students. This handbook is the result of an effort initiated to define the policy and improve the quality of GP. In addition, this document will also provide faculty members with evaluation rubrics used to examine the projects.

Much sincere appreciation and pleasure uttered to the members who work in the project committee previously. Special thanks are expressed to the graduation project committee members for the valuable comments and suggestions.

Glossary

GP:	Graduation Project
GPC:	Graduation Project Committee
Supervisor:	Staff member who supervises the GP student throughout the semester.
Domain Expert:	Staff member who guide and monitor the working of GP tasks.
Examiner:	An expert, expert in the relevant, appointed by the department to evaluate the GP during different examination.
Examination Committee:	It is a committee, group of examiners, constructed by the department for the GP evaluation.
Group:	It is a team of GP students.

HEAD MESSAGE

We would like to welcome and greet you to the information section of Graduation Project Committee, College of Computer Science and Information Systems, Jazan University, Jazan. We hope it provides you with the information that you are looking for whether you are just browsing or you are trying to learn more about the Graduation Projects processes and procedures.

The technology is changing rapidly and the focus of the growing industry is more and more over those people who are technically sound and have practical experience and knowledge about what they have learned during their studies. Therefore, our Graduation Project Committee seeks to crystallize its objectives which raise the level and efficiency of graduates in order to meet the changing needs of the labor market. Those objectives are accomplished through applying clear and purposeful educational policies that are universally recognized and help the students to learn and refine their technical skills integrated with the knowledge they get during their stay at the faculty in the form of Graduation Projects.

We hope you find information about everything related to the Graduation Projects.

VISION AND MISSION OF GPC

VISION

The Vision of Graduation Projects Committee is to engage the students in various specific skills that include: computer knowledge, employability skills, information-retrieval skills, software design skills, language skills – reading, language skills – writing, teamwork, and thinking/problem-solving skills.

MISSION

The Mission of the Graduation Projects Committee is to provide students the opportunity to connect content knowledge, acquired skills, and work habits to real world situations and issues.

PURPOSE AND OBJECTIVES

The purpose of this committee is to provide a framework and step by step guidelines for undergraduate students enrolled in Computer Science Department projects so that every student can exhibit the skills and knowledge that he or she has gained in the college during his/her studies.
The project is designed to incorporate the skills that students will need in their professional life and/or the business world. It allows each student to choose a topic of his or her interest, while encouraging inquiry, analysis, synthesis, rigor, and collaboration.

INTRODUCTION

This course generally builds a bridge between course work and IT industry or postgraduate studies, where the students are expected to work for real world problems that can be solved with programming or software development. Therefore during Project, the students acquire knowledge and employ to solve real-world or scientific problems. GP course also prepare the students for large-scale real-world projects, or introduce them to scientific research. The initiatives must have consistent outcomes that will illustrate the capacity of students to use their computer science education effectively. The goal of this guideline is to identify the deliverables and procedures required to standardize the courses offered in the CS department for the Graduation Project. This guideline will outline all the expected outcome and evaluation criteria for the Gradation Project courses. The goal of the university is to achieve highly qualified graduates through high standards of education and research commitments. We can thus ensure that students have a more comprehensive and demanding experience that will serve them well once they begin their careers.

The Graduation Project Guide comprises the concepts of producing an excellent research / graduate report and seeks to enlighten the path for graduate students to achieve their respective goals. The guide is fitting for the variety of college department students and programs, and according to many local and global universities, it is designed referentially. The hope is to offer a helpful reference to the students whatever their specialist are, and the project discussion committee as a unified assessment guide. It is expected that the students will discuss their progress with their supervisors on weekly basis. At the end of semester, the students submit a written report and present and defend their work.

The main motive of the project is to develop the technical abilities and communication skills of the students by incorporating possibilities for writing, presentation and teamwork. The project is systematic and Comprehensive that focuses on professional practice and covers a range of non-technical topics, including economic factors, reliability, safety, efficiency, environmental and social impacts.

COURSE DESCRIPTION

This is a capstone course emphasizes team collaboration and application of modern software engineering approaches to software construction. The development by each team of an original, industry strength software product is the main objective of the course. The instructors will present lectures on the Unified Modeling Language (UML) and its application to object-oriented analysis and design and the teams will report on their project's progress by giving presentations and submitting deliverables related to the project. The teams will deliver and present project parts at the following stages: topic proposal (concept), software specification (requirements), design (model), and implemented software (final product). At the end of the semester there will be a final Project presentation where students will demonstrate and presentation the final outcome and findings of the project work.

COURSE OBJECTIVES

Objectives of this course are:

- Re-traverse the knowledge gained during the whole B.S. (Computer Science) course that is useful for analyzing and understanding the software development process.
- Explain the applicability of this knowledge to develop an industry level capstone project that uses all these knowledge gained throughout the B.S. program.
- Practically demonstrate the steps involved in the software project development.
- Help the students in gaining the insight about the software industry working.

COURSE LEARNING OUTCOMES

Discuss the process of managing the information system project.

Analyze a specific problem**, identify** the requirements and **define** the techniques and specifications to solve the problem.

Apply scientific, current technical knowledge and skills earned throughout the program during project development life cycle.

Design, plan, implement and evaluate a significant software project and will extend their knowledge of requirements elicitation and specification, software design, implementation, and integration.

Communicate project specifications, designs, and implementations in both writing and speaking. They will also increase their experience in reviewing others' work.

Demonstrate the skills of communicating project requirements and designs with other project stakeholders in a standardized manner, using the UML (Unified Modeling Language) for software development.

Collaborate on a team project to deliver an industry-strength application that will increase their ability to work towards accomplishing project goals as team members.

Acknowledge the professional, ethical, legal, security and social issues and responsibilities.

LIST OF TOPICS TO BE COVERED

Week No.	List of Topics / Topics Description	Contact Hours
1	Discussion of the method for selecting the graduation project.	3
2	Determine the subject of the project and assigning references to students to read about the project.	3
3	Discussing the ways to build the project and set a timetable for project.	3
4	Theoretical explanation for the building and writing of the project and the preparation of the report.	3
5	Time to time open discussion with students about accomplished tasks and remaining ones.	3
6, 7	Set up the project plan and complete up to the detailed project design phase.	6
	Mid Term Evaluation	After 7th week (**As per exam schedule**)
8, 9, 10, 11	Implementation of the project and processing requirements.	12
12	Showing initial outputs of the project.	3
13	Documentation of the project	3
14	**Pre-Final presentation of the project.**	At least 3 days before Final presentation
	Final presentation of the project.	**As per exam schedule (during last week of theory examination)**

Supervisor Allocation

Students are expected to register for the GP with a faculty member whose specialty and interests are compatible with the preferred topic of his project. To assign a graduation project, student(s)/faculty should go through the following steps:

1) A supervisor must be a full-time faculty member in the Department of Computer Science.
2) At the beginning of each semester, supervisors will be encouraged to submit their project ideas to the project committee, which will be announce through college website.
3) GP committee will check and approve the proposals.
4) Students are asked to formally select one project, and the committee will register the students with the selected faculty member.
5) The GP committee announces the time to students to pre-register the projects.

Project Supervision

1) Students should meet with their supervisor at least once a week.
2) It is the responsibility of the supervisor to inform his students with this handbook and all the included instructions and regulations.
3) To keep track on weekly student-supervisor meetings and to monitor student progress, the supervisors are required to fill an activity report.
4) Finally, the meeting minutes will be stored in a folder by the supervisor, in order to justify their assigned weekly meeting points.
5) A supervisor must fill a bi-weekly report, which explain the progress of his students, as well as stored in the students' folder.

GRADUATION PROJECT PROCEDURE

The Graduation Project involves the following:

1. Head of the Department
2. Domain Expert (Examiners of midterm & Final)
3. Quality Assurance Unit Standards

Step 1:
The Department Head selects the GPC members & Domain Experts-Examiners (preferably 3, who are expert in programming, skills etc, PhD or Masters).

Step 2:
GPC mails faculty members to suggest the Graduation Project titles in coordination with the Department Head and the Quality Assurance Unit standards.

Step 3:
GPC calls a meeting for the approval of the titles collected from the faculty members of all the three campuses.

Step 4:
The *Graduation Project "Titles, Abstracts and the Project Scope"* are displayed for the students in order to select their Graduation Project Title.

Step 5:
The GPC will validate the forms with the Student Affairs to verify the following pre-requisites:

   a) INFS 334 Software Engineering
   b) INFS 433 Software Project Management
   c) All courses upto level 8 must be cleared(except "Summer Training" course)
   d) Exceptions are given by Head of the Department if a student is graduating in the current semester

Step 6:
Students register themselves (upto 4 only) by means of the *Graduation Project Registration Form* and before submitting submit to the GPC performs step 7.

Step 7:
After the Graduation Project Titles are finalized from the department, the *"Graduation Project Titles"* *along with* **detailed Abstract and the Project Scope** are sent to the Faculty Members in order to select the topic from the list of topics approved by the department.

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│   GPC Members & Examiners nominated by Department Head        │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│  Faculty members suggests titles to GP head with QAU          │
│  Standards (PLOs, PEOs)                                        │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│            GPC Members approve titles                         │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│          Display Approved GP titles to students              │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│  Pre-Requisites Validation by GP Committee in coordination    │
│  with Student Affairs                                         │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│  GP Committee sends the titles and abstracts to Faculty       │
│  Members                                                      │
└─────────────────────────────────────────────────────────────┘
                            ↓
┌─────────────────────────────────────────────────────────────┐
│          Students Pre-register under supervisors             │
└─────────────────────────────────────────────────────────────┘
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QUALITY ASSURANCE UNIT

1. The Quality Assurance Unit makes sure that all the Program Learning Outcomes (PLO's), Program Educational Objectives (PEO's) are achieved and mapped.

MEETINGS

1. Student and Supervisor must have regular meetings (3) on weekly basis and document the *Graduation Project Activity Report* (**at least 2**) This will help in assigning the tasks allocated and to monitor the progress of the project
2. Students, Supervisor together must have meetings with respective Domain Expert- Panel of Examiners **(First Meeting before Mid Term, Second Meeting before final Presentation)**. The regular monitoring of the project will minimize the plagiarism and other issues**.**

EXAMINATIONS

1. Examiners include all domain experts of the department
2. The Mid Term Exam comprises of 20 Marks to be evaluated by the panel of examiners (Domain Experts)
3. The Supervisor allocates 40 marks which includes:
    a. Students performance (attendance)
    b. Weekly task accomplished
    c. Pre-presentation
4. The Final Exam comprises of 40 Marks to be evaluated by the panel of examiners (Domain Experts)
5. The supervisor prepares a activity report and submits to the exam panel that comprises of:
    a. Students attendance
    b. Task allocated and completion status

Attendance	Mid Marks(20)	Supervisor Marks(40)
Student X		
Student Y		
Student Z		

Major Components of a Graduation Project

The Graduation Project Consists of Four Major Components:
- Project Design
- End Product
- Project Portfolio
- Presentation & Demonstration

Overview of GP Process

The GP is by default and officially spread over the last semester (i.e. Semester 10 in the Current Curriculum Plan of the departments of 5 Year Degree Plan). In future, in the newly suggested Curriculum, it is planned to be spread over last 2 semesters (i.e. Semester 9 and Semester 10 for all the Departments in a 5 Year Bachelor's Degree Plan).

GP Process

- Level 10 (Finalize project proposal in collaboration with Research Unit)
- Level 10 (1M)

Project Proposal

System Analysis & Design

Product Delivery & Presentation

Project Implementation & Coding

- Level 10 (End of Semester)
- Level 10 (2M)
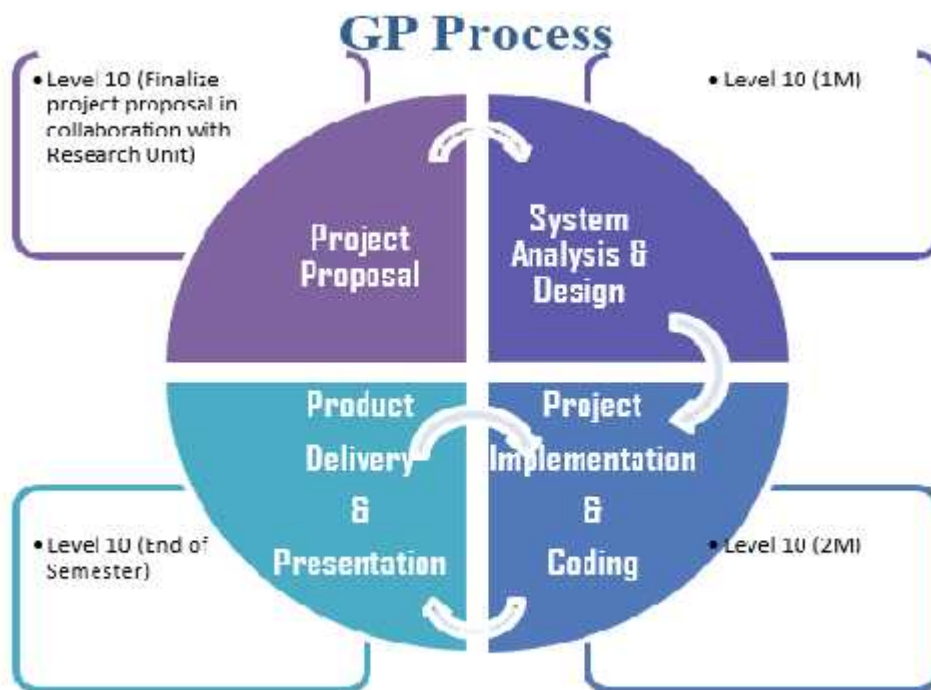
Diagrammatic illustration of the GP process.

Following are some important facts in the GP process.

1) A supervisor must be a full time faculty member in the College of Computer Science and Information Technology and may be assisted by an external supervisor in case of an industrial project.

2) In the semester 9 prior to starting the GP, supervisors will be encouraged to submit their project ideas to the GP Coordinator, which will be published to respective departmental website and similar publishing areas. Students can also contact with their earlier chosen supervisor and submit their own ideas

3) At the beginning of Semester 10 of the project, an orientation session will be conducted to educate the prospective final year students, where this GP handbook will be presented and explained.

4) The students will formally register for the GP course in the 1st week of Semester 10. But they have to Pre-register in Semester 9 to complete a Project Proposal.

5) Students have to form a group or team consisting of maximum of 4 students (Min 1), depending on the total number of students and the availability of the faculty staff. In special circumstances, if the Supervisor and the Head of respective department approves, then the students can form a group of 2 or 3 students also.

6) The GP Coordinator, in coordination with each supervisor, is responsible to prepare a list of the proposed projects and supervisors.

The Step by Step Process in Detail

Phase I

Initiation

- The GP will start in Final Year from the 1st Day of Level 10 in coordination with the research unit.
- GPC will call for topics along with short abstracts for Final Projects from faculty members.
- The faculty members will submit the topics as mentioned above in a specified time.

Selection of Topics

- The students are notified about proposed topics and project supervisors.
- The students consider 3-4 topics according to area of interest.
- The Students formulate groups and select topics.
- They get approval of supervisors to register with them.
- Student groups will have meetings with respective supervisors to start working on a "Project Proposal".

Submission of Finalized proposal

- The Students submit the "Finalized Detailed Project Proposal" to the GPC after approval.
- Finally they register with Graduation Project Committee (GPC) at the start of Level 10.
- The project supervisors will be responsible to maintain weekly activity reports of students progress and submit them to the project advisors till the end of project.

Phase II

Analysis & Design

- The students must register the Graduation project officially in the registration system.
- They will start working on the analysis and design phase right from the starting of level 10.
- The GPC in coordination with the Research unit will be in continuous monitoring of the projects.

Phase III

Implementation

- After finalizing the design of the project the students start implementation of the project.
- Students work practically to implement the project according to the proposal.

Testing

- After finalizing the implementation, the students will move towards the testing of their projects.

Mid Term Exam Presentation

- The students will be evaluated (20% of the total marks) in the Mid Term presentation conducted by GPC along with examiner panels.

Pre-presentation

- The project supervisors will conduct a pre-presentation before the final submission of Graduation projects to the GPC.
- This will be graded 40% of the whole grading percentage.

Final Submission

- After the pre-presentation, the students will have to submit the project (approved by Project advisors and supervisors) for final evaluation.

Final Exam & Presentation

- The students will be evaluated (40% of the total marks) finally in the final presentation conducted by GPC along with examiner panels.

GP Deliverables

The following table contains a minimal set of GP deliverables along with the purpose and the deadline of submission. The set of deliverables depends upon the nature of the project. Each deliverable is mandatory and alternate can be defined in consultation with the supervisor and the GP coordinator (at least a week before submission deadline).

Each submitted deliverable must be duly signed by the supervisor. The submission without supervisor's approval will not be considered. Late submissions are liable to get penalty decided by GP Committee. The students may get a zero for a particular submission.

Table: GP Deliverables

Deliverable	Purpose	Student Information	Due
Pre-Registration Form	Registration of GP	Submit to GPC	Start of Level 10
Initial Project Proposal	To document the problem statement, need for the project, project scope and expected benefits,	Submit to Supervisor	Start of Level 10
Final Project Proposal	To document the Abstract, Problem statement, technologies used, solutions etc	Submit to GPC for Evaluation	Start of Level 10
Project Management Plan	To document the schedule, planning and milestone completion	Submit to Supervisor	Start of Level 10
Project Requirements Specification Report	To document the project requirements and system specifications	Submit to Supervisor	3rd week of Level 10
Project Design Document	To document the design of the project in order to start implementation and unit testing	Submit to Supervisor	6th Week of Level 10
Mid Term Presentation	To evaluate the project progress	Submit to GPC and Examiners	$7^{th}/8^{th}$ Week of Level
Implementation and Test document	To document the implementation and testing phases of project	Submit to Supervisor	12th week of Level 10
Pre-presentation and document	To evaluate the complete Project	Submit to Supervisor	14th week of Level 10
Final presentation and	To evaluate the complete and finalized project	Submit to GPC and Examiners	16th Week of Level 10

General Guidelines for Students

1) The final presentation slides should be clearly understandable, with standard font and format and without spelling mistakes. Make diagrams big enough to be readable. You can spli & present one diagram on 2 slides.

2) The presentation should match the document and vice versa.

3) Do correct the spelling and grammatical mistakes in your document. Follow the standard format which will be emailed to you in due course of time.

4) The Final document should be complete elaborating all the diagrams, tables and figures in detail. Don't give examples or samples. Give your actual proposed design.

5) Focus on originality. Your project will be cancelled resulting in your failure if any plagiarism and copy-paste from internet or other projects is found.

6) Follow one technique. Either do your project by structured approach or object oriented approach. Do not mix up both approaches.

7) Many of the projects are missing clear and descriptive design. Kindly make correct and clear DFDs, ERDs and data dictionaries.

8) Do not copy the User Interface Design from internet. Design your own user interfaces using any designing software like Visio, MS Word etc.

9) You must have full understanding and knowledge about all the phases of your project.

10) The Gantt charts and WBS should be clear and understandable. The dates should be realistic.

11) Draw DFDs up to Level 1 at least. (Context level, 1-Level).

12) The ERDs should be complete and normalized up to level 3 at least with complete tables.

13) Data dictionaries should be complete for all the tables with full meta-data.

14) Write to the point about your project. Don't give definitions and explanations about irrelevant terms and terminologies.

15) The references must be included at the end of your documentation. Without references the examiners will not accept the documentation.

GRADUATION PROJECT COMMITTEE (GPC)

Following list of major **roles and responsibilities** of committee**:**

1) Prepare a comprehensive plan for graduation projects.
2) Review existing graduate procedures, polices and Standard Operating Procedures (SOPs) for Graduate Projects.
3) Announcement to staff for GP proposals (Call for title along with abstract).
4) After collecting the proposal from the teachers, conducts the meeting for the approval of titles.
5) Request the selected teachers whose titles approved by the GP committee to submit the detailed description of the proposal.
6) Approved titles displayed to students and mailed to female campuses.
7) Create students groups and collect student's emails for GPC Communication.
8) Assist the students in selection of graduation projects and adopt a follow-up procedure for successful completion of projects.
9) Allocate students groups to teachers, willing to supervise GP.
10) Give proper induction training to the new faculty members before to supervise the GP students.
11) Email student registration form to students and collect the filled form.
12) Monitor the progress of GP with 'Weekly Activity Report' from supervisors.
13) Provide all necessary help and support to students and faculty for graduation projects.
14) Conduct the Mid-Term Exam, Pre-presentation and Final Exam.
15) Regularly contacting female campuses (Academic Campus for girls and Sabya educational campus) course in-charges and instructing them to maintain the uniformity.
16) Ensure a uniform evaluation of student projects (for different project groups).
17) Maintain the focus and interest of students in successful completion of projects.
18) Motivate the students for continuous industry visits during project cycle (if required).
19) Conduct follow-up meetings between students and faculty for proper check and balance of project work.
20) Maintain documentation for project cycle (performance with timeline).
21) Mail requirements list of documentation of final thesis to students.
22) Invite students and faculty to discuss issues faced in any project completion (if required).
23) Ensure project's timeline with students' supervisor.
24) Prepare the results and summary sheets of GP students groups.
25) Getting approval of results from HOD.

26) Responsible for the course file and other course related documents during his tenure.

27) Prepare the consolidated course report by considering the results of all the sections (male and female campuses) of the GP course in every semester (after the final examination).

STANDARD OPERATING PROCEDURES

SR.	TASK & ACTIVITY LIST	TIMELINE
1.	Conduction of regular meetings with GPC Members	Throughout the semester
2.	Announcement to faculty members for topic/titles suggestions (Call for topic/titles)	End of previous semester Before the start of new semester
3.	Approval of titles suggested by faculty members	Within 10 days after announcement
4.	Contact respective faculty members to provide detailed description of the approved topics/titles	Same day of approval
5.	Collection of Students emails for GPC Communication	First week of new semester
6.	Formation of students group and allocation of supervisor	First week of new semester
7.	Email Registration form and list of topics along with detail description to students	First week of new semester
8.	Pre-Registration of the students for topics in list	Second week of semester
9.	Collection of filled registration forms	Second week of semester
10.	Computerization of Students Registration Data	Second week of semester
11.	Provision of List of requirements for GP to students and supervisors	Start of semester
12.	Provision of template of activity report to Supervisors	Start of semester
13.	Provision of list of guidelines and suggestions to students and supervisors	Start of semester
14.	Preparation of Mid Term Presentation Exam and Organization of Mid Term Exam Execution	Seventh Week of Semester
15.	Preparation and provision of Mid Term Exam Evaluation forms to supervisors	Before Mid Term Exam
16.	Collection, Analysis and recording of Mid Term Exam results	Eight week of Semester
17.	Preparation and organization of Pre-presentation Exam to be conducted by supervisors	Thirteenth Week of Semester

18.	Preparation and provision of Pre-presentation evaluation forms	Before Pre-presentation exam
19.	Conduction of Pre-presentation Exam	Fourteenth Week of Semester
20.	Collection, Analysis and recording of Mid Term Exam results	Fourteenth Week of Semester
21.	Guiding and providing training to project groups for thesis formatting and requirements	Post Pre-presentation activity
22.	Preparation, scheduling and arrangements for Final Term Presentation Exam	Fifteenth Week of Semester
23.	Preparation and printing of Students list containing all the necessary data and grades obtained in Mid Term and Pre-presentation Exams.	Last week of semester
24.	Calls for clashes between theory exam and project final exam dates	Fifteenth Week of Semester
25.	Scheduling project groups for final term presentation exam	3 weeks before project final exam
26.	Communicating the project groups for final term presentation schedule	3 weeks before project final exam
27.	Preparation and allocation of examiner panels for the final term presentation and approval from Head for the same	2 weeks before project final exam
28.	Collection and arrangements of thesis (final documentations) from the students	1 week before project final exam
29.	Arrangement for final presentation rooms, and other resources.	1 week before project final exam
30.	Conduction of final presentations on the scheduled dates and times.	Final Presentation Schedule
31.	Collection and compilation of final results	After Final presentations
32.	Getting approval of results from HOD	After Compilation of results
33.	Uploading and announcement of results	After Approval of results
34.	Dealing with incomplete cases of graduation projects	End of semester
35.	Documenting and forwarding related issues (if any) to higher authorities	End of semester

ACADEMIC ADVISING SUPPORT

1) Head of the Department will be responsible for nominating the 3 PhD members of the department as Graduation Project Advisors (External Examiners).
2) The Graduation Project Committee will be responsible to allocate Advisor to each GP group, every advisor will be allocated one or multiple groups as per the number of group registered during the current semester.
3) Students group must have at least two meetings with respective advisor in the current semester, first meeting after the registration or before Mid Term presentation, whereas the second meeting before final presentation.
4) The GPC will arrange training sessions after the registration of students, to enhance the student's current knowledge of concepts, techniques, and methods for problem solving.
5) The GP advisors will also identify and resolve the problems and issues related to the Graduation Project students under his advice in consultancy with the Graduation Project Committee.
6) Numerous workshops, training programs and seminars will be arranged for the students on the theme including project development, documentation and PPT presentation.
7) The Examiners (most probably the advisors) will evaluate the students groups in Mid Term Exam Presentation as well as in Final Term GP presentation.
8) The regular monitoring of the project by the advisors will minimize the plagiarism and other issues.

ASSESSMENT PROCEDURES (VERIFICATION OF STANDARDS)

1) Faculty members are encouraged to submit the graduation project proposals.
2) GPC will approve 5 or 6 graduation project proposals which were submitted by the faculty members of the computer science department.
3) Approved proposals along with abstract, scope and objective of the projects are sent to the faculty members in order to select the graduation project topic from the approved topics list.
4) The Graduation Project "Titles, Abstracts, Scope and Objective" along with the supervisors name are displayed for the students in order to select their Graduation Project Topic.
5) Students register themselves (up to 4 or as per no of students taking graduation project at current session) by means of the Graduation Project Registration Form and submit to the GPC.
6) Each group of students will be responsible to meet their supervisor at-least twice in a week.
7) In a week, 3 credit hours are necessary for the student's supervisor meeting.
8) The GPC will validate the forms of the graduation project students with the Student Affairs to verify the following pre-requisites:
   a. INFS 334 Software Engineering
   b. All courses up to level 8 must be cleared

c. Exceptions are given by Head of the Department if a student is graduating in the current semester.

- **Assessment procedures**

1) The supervisors will maintain the activity reports of the meetings for each of their group students.
2) The Mid Term Evaluation of the project will be performed up to the Design Phase.
3) Mid Term exam presentation will be for 20 marks.
4) Supervisors are also requested to be there at the time of their respective group presentation, to note the comments and suggestion given by the examiners, if suggested comments are necessary as per the project requirement then supervisors should guide and help their students to incorporate it in their projects.
5) Supervisors will also monitor the completion of the milestones and walkthroughs of the project.
6) Pre-presentation of students group will be conducted by their respective supervisors and it will be for 40 marks.
7) Supervisors will evaluate their groups on the basis of the team work, punctuality and performance of the students in the semester.
8) Before giving the marks for pre presentation, supervisors have to check the implementation of project, documentation as per standard as well as plagiarism of the report.
9) The Final Term Evaluation will be performed by the examiners who will review, evaluate and assess the project report.
10) GP final presentation will be for 40 marks. During presentation examiners will ask the group students to demonstrate the complete project and have to answer the questions raised by examiners.
11) Grade sheets after the mid-term exam presentation, pre presentation and final presentation should be immediately submitted to course coordinator.

- **Standard Verification**

1) The Quality Assurance Unit makes sure that all the Program Learning Outcomes (PLO's), Course Learning Outcomes (CLO's) are achieved and mapped.
2) The Graduation Project Committee will constitute of all the PhD faculty of computer science.
3) Head of the department is responsible to nominate the panel of 3 PhD members as Graduation Project Advisors & Controllers.
4) All the faculty members are encouraged to submit the graduation project proposal.
5) The Graduation Project Committee will approve 5 or 6 graduation project proposals which were submitted by the faculty members of the computer science department.

6) Graduation Project Titles are finalized by GPC, the "Graduation Project Titles" along with Abstract and Project Scope are sent to the Faculty Members in order to select from the approved topics.

7) The Graduation Project Committee will be responsible to allocate GP groups to the Advisors of the department.

8) Advisors will be responsible for advising and controlling the Project Groups working under the supervision of supervisors.

9) Each member of Advisory board will be allocated 1 or multiple Groups of Graduation Projects based upon total number of groups registered and available.

10) Graduation Project Advisory Committee of Graduation Project will be responsible to evaluate and report the performance of the GP Supervisors.

11) Students and Supervisor must have 3 regular weekly meetings and document at least 2 Graduation Project Activity Report. This will help in assigning the tasks allocated and to monitor the progress of the project.

12) Students, Supervisor together must have meetings with respective Advisor or Domain Expert (First Meeting before Mid Term, Second Meeting before final Presentation). The regular monitoring of the project will minimize the plagiarism and other issues.

13) Those students who do not perform well in the Graduation Project and their performance reports are not satisfactory, will be given extension with Incomplete Result by the end of the semester to complete and perform in their projects.

14) If the students do not perform satisfactorily after the extension period, then they will be considered Fail (F) in the Graduation Project and they have to enroll (register) again in the subsequent semester for the said course.

15) Those groups who are proved that they have bought their project or any part of their project from outsourcing or they have copied the project work from a previous project work, will be considered Fail (F) in the Current Semester and they have to enroll again in the subsequent semester.

PROJECT EVALUATION

❖ Examiners and GP committee are invited to evaluate students' projects. The GP committee is responsible for scheduling final project presentation, which is a public event where students of the last semester before GP should also be encouraged to attend the event.

❖ Plagiarism will be checked using the online integrity checked www.turnitin.com or through safeassign in the LMS system.

❖ In case of incomplete work, the supervisor must notify the chair by week 14 who will decide whether and incomplete or failing grade should be given after consulting with the GP committee.

EVALUATION CRITERIA

Following table explains a guideline for the criteria to be used for GP evaluation/assessment along with description and evaluation authority(s)-Panel of Examiners.

Description	Evaluation authority(s)
To determine that students have maintained continuous contact during their work and have been on time for meetings and deliverables.	Supervisor, Activity Report
To determine that the project selected and abstract given is acceptable as a GP and, if acceptable, register the project via the student registration form to G P database.	GPC, First stage of GP
To assess that student(s) know the problem and propose an appropriate solution. The student(s) should also have conducted the necessary literature review at this stage.	Examiner, Midterm evaluation
To determine that student(s) have completed their duties and submitted expected PPT till design phase in the first half of the course, i.e. It involves both demonstration and presentation (in the form of a presentation of a power point) of the work till design phase.	Examiner, Midterm evaluation
To evaluate the developed end product in terms of interfaces, coding standards, and work originality. It requires students to install and run the project for presentation in real time.	Examiner- Final Presentation, Supervisor- Pre-presentation
To assess the comprehension of problems, adequate analysis, design quality and presentation skills. Each group is required to discuss the project's completeness and achievement.	Examiner- Final Presentation, Supervisor- Pre-presentation
To evaluate the structure of the report on the project. Students are required to demonstrate planning and progress in an organized manner with emphasis on the interpretation of the data gathered during the project. It is necessary to submit project reports to both supervisor and examiners	Examiner- Final Presentation, Supervisor- Pre-presentation

Mark Allocation Policy

A recommended percentage for each criterion is shown in the following table:

Criteria	Supervisor	Examiner(s)	Total
Midterm report		20	20
Pre-Presentation	30		30
Activity Report	10		10
Final Project Thesis		20	20
Demonstration		20	20
Total	**40**	**60**	**100**

ANNEXURE

Graduation Project Documentation Requirements
(Development Based)

Project Title
        a.   Project Title
        b.   Project Supervisor
        c.   Project Team Members
Approval for binding of GP report
Acknowledgement
Abstract English
Abstract Arabic

Table of content

Chapter 1 | INTRODUCTION

1.1 Introduction

1.2 Problem Definition

1.3 Solution

1.4 Project Goals and Objectives

1.5 Project scope

1.6 Hardware and Software Tools

1.7 Work Breakdown Structure

Chapter 2 | INFORMATION GATHERING

2.1 Information Gathering Techniques

    2.1.1 Literature Review

    2.1.2 Related Applications

2.2 Conclusion and Outcomes

Chapter 3 | SYSTEM ANALYSIS

3.1 Development Methodology

3.2 User Characteristics

3.3 User and System Requirements

    3.3.1 Functional Requirements

    3.3.2 Non-Functional Requirements

3.4 System Analysis Models

    3.4.1 Use Case Diagram

    3.4.2 Detailed Use Case Descriptions

DOCUMENTATION DETAIL DESCRIPTION

Abstract

Chapter 1: Introduction

The introduction of the report should aim to catch the reader's interest and should be written in a style that can be understood easily by any reader with a general computer science background. It gives an overview of the research project you propose and explains the background of the project, focusing briefly on the major issues of its knowledge domain. It then proceeds the presentation of the project focus, which can take the form of a hypothesis, a research question, a project statement, or a goal statement.

1.2 Problem Statement/Definition

This section states the problem that you are exploring and emphasizes the importance of your research. It should also include a clear description of the context of your research.

1.3 Solution

A brief description of how your software can contribute in solving the above stated problem.

1.4 Goals and Objectives

This section should include a precise description of the goal you are planning to achieve and how you will achieve it. It should explicitly emphasize the contribution you are planning to make with the intended study. Goals describe what you want to achieve. Objectives describe how you are going to achieve those goals (what do you want to know, prove, demonstrate, analyze, test, investigate or examine?)

Objectives should be S.M.A.R.T

- **Specific** – be precise about what you are going to do.
- **Measureable** – specify an indicator for success, so that you will know when you have reached your goal
- **Achievable** –a less ambitious but completed objective is better than an over-ambitious one that you cannot possible achieve.
- **Realistic** – do you have the necessary resources to achieve the objective?
- **Time constrained** – determine when each stage needs to be completed.

1.5 Project Scope

Define the boundaries of your project; describe precisely what is included in your project and what is not.

1.6 Hardware and Software Tools

1.7 Work Breakdown Structure

   -Gantt chart

Chapter 2: Information Gathering

This chapter of Information Gathering is the act of gathering different kinds of information against the targeted victim or system.

2.1 Information Gathering Techniques

The information gathering techniques are repeated processes that are used to create and organize data across different kinds of sources. Information gathering techniques is a way to collect information from different ways.

- Group interviews
- Questioning.
- Questionnaires
- Brainstorming
- Observation.
- Study of existing organizational documents, forms and reports.

2.1.1 Literature Review

In this, you should show familiarity with the literature. By exposing the reader to the relevant published work. The literature review should be comprehensive for the problem you are writing about. The purpose of this is to put your work in context with others, and benefit from their experience. You may mention any changes that you have made to your original solution after you have conducted the literature review.

2.1.2 Related Applications

It can be a Part of the literature review.

2.2 Conclusion and Outcomes

Your conclusions & outcomes of the chapter should be included by the end of this chapter.

Chapter 3: System Analysis

3.1 Development Methodology

Software development life cycle for the development of the project.

3.2 User Characteristics

This covers the characteristics of users in three senses: the end user who will interact with the machine translation system; the end user of the final product of the translation process which may include for example, post-editing; the organization deploying the machine translation system.

Users here are human users. When an MT system is a component of a larger system, for example an information retrieval system, other pieces of software may be considered to be users of MT output.

3.3 User and System Requirements

3.3.1 Functional Requirements

List all user and system requirements for your software.

3.3.2 Non-Functional Requirements

List all non-functional requirements for your software. (All requirements should be precise and measurable).

3.4 System Analysis Models

3.4.1 Use Case Diagram

This section lists use cases or scenarios to represent some significant, central functionality of the final system.

3.4.2 Detailed use case descriptions

The use case description is a narrative document that describes, in general terms, the required functionality of the use case. Typically it describes the use case goal and gives a general description of what usually happens, the normal course of events, adding a brief description of any minor variations.

3.4.3 Sequential Diagrams

In this section you show the interaction in terms of sequence or communication diagram between the objects/classes for different use case scenarios. You may ignore the trivial use cases. You can also show the interaction in case of exceptional flows in a use case. Exceptional flows include the following:

- Error handling. What should the system do if an error is encountered?
- Time-out handling. If the user does not reply within a certain period, the use case should take some special measures.
- Handling of erroneous input to the objects that participate in the use case (for example, incorrect user input).

3.4.4 Conceptual Diagram

A conceptual data diagram provides a graphical view of the conceptual structure of an information system, and helps you identify the principal entities to be represented, their attributes, and the relationships between them.

Chapter 4: System Design

Give a clear description of your software design using sufficient diagrams/subsections from those mentioned below.

4.1 System Architecture

Provide the software architecture diagrams and descriptions.

4.2 Data Flow Diagram

4.3 Class Diagram

In this section all classes, their attributes and methods should be defined. It should also indicate the interaction and relationships among the defined classes.

4.4 Database Design

This section should include a precise entity relationship diagram, and a corresponding schema describing the databases and file systems used in this project.

4.5 User Interface Prototype

Provide screen shots of the developed user interfaces, or mockups to illustrate the looks and feel of the system for critical scenarios.

Chapter 5: System Implementation

This chapter should provide an exhaustive explanation of the implementation stage of your project, review and explain all used technologies, describe the adopted integration process, and mention any limitations in the system (if any).

You should also give a clear detailed description of the software's main interfaces and core logic. You can also include a walkthrough of the system by showing the sample interfaces to demonstrate other functionalities. Provide code snippet to show the main logic.

Chapter 6: System Testing

This chapter should describe the test strategies and methodologies used to plan, organize, execute and manage the testing of the software project. Mention and explain any tools used for testing the software.

6.1 Unit testing

Show the results of testing each component separately.

6.2 Integration testing

Describe how components where tested during the integration process, and report any issues or unexpected behavior and how it has been resolved.

6.3 Performance testing

Measure and report the performance of your software, and explain the behavior of your system under extreme cases.

6.4 User acceptance testing

The purpose of acceptance testing is to confirm that the system is ready for operational use. During acceptance test, end -users

(Customers) of the system compare the system to its initial requirements. You should describe this process and may list people involved in testing, and the feedback you obtained from them.

6.4.1 Conclusion

Conclude 6.4

6.5 Test cases

The goal of any given test case or set of test cases is to detect defects in the system being tested. This section should provide descriptions of various test cases to test each component in your application with all the possible actions and input. Each test case should include a brief description of the sequence of events being tested, the test data, testing environment, expected results, actual results, and whether the software passed or failed that test case.

Chapter 7: System Demonstration

7.1 System Screen Flow

A user flow, also known as UX flow is the route that users follow to achieve a meaningful goal on your website/app. To create more enjoyable UX, a website/app is designed with different user flows for the same or diverse user goals.

7.2 System Screens snapshots

Chapter 8: Conclusion

8.1 Summary

The final chapter of this report should provide a clear, insightful summary of your project, briefly mention the major findings/output, and emphasize the local and global impact of the project. Future directions may also be added.

8.2 Impact of the project on society

How the society will benefitted from the project?

8.3 Limitations and Future Work

8.4 Lessons Learned

What you have learned from the project? Experience sharing.

References

A bibliography of all cited works and sources you have used throughout this report. All references should follow IEEE format and should be ordered by their occurrence in the report.

Note: The Project Documentation should be according to the type of project and should contain the necessary number of pages as per recommendation of the project supervisor.

Research Based Documentation Requirements

1) PROJECT TITLE
   a. Project Title
   b. Project Supervisor
   c. Project Team Members
2) APPROVAL FOR BINDING OF GP REPORT
3) PREFACE
4) ACKNOWLEDGEMENT
5) ABSTRACT
6) TABLE OF CONTENTS
7) INTRODUCTION
   a. Project Overview Statement
   b. Project Aims And Objectives
   c. Project Scope
   d. Limitations And Constraints
   e. Significance of the study
   f. Assumptions
8) PREVIOUS WORKS AND LITERATURE REVIEW
9) PROJECT PLAN
   a. Work Breakdown Structure
   b. Activity And Task List
   c. Gantt Charts
10) SRS – SYSTEM REQUIREMENTS SPECIFICATION
   a. System Requirements Analysis
   b. Hardware Requirements Specification
   c. Software Requirements Specification
   d. Other Requirements Specifications
11) METHODOLOGY
   a. Tools, Techniques and Process Model
12) SYSTEM DESIGN
   a. Proposed Model / Method
   b. Proposed Framework / Algorithm
13) EXPERIMENTAL WORK
   a. Experimental Work
   b. Results

14) Conclusion and future work
    a. Conclusion
    b. Limitations
    c. Future Work
15) Real screen shots of Data Entry forms and Reports
16) Coding of Important functions and procedures of the system
17) REFERENCES

Note: The Project Documentation should be according to the type of project and should contain the necessary number of pages as per recommendation of the project supervisor.

Project Advisor:	Project ID:
(For Office Use Only)	*(For Office Use Only)*

Graduation Project Registration Form

Date of Registration: _____

Program:	B.Sc.					
Department:	CS ■	IT ☐	CNET ☐	Session:	2020-2021 (Fall Semester)	

Project Title:	
Project Abstract:	
Goals & Objectives / Potential Output & Findings:	
Project Scope:	
Tools / Technologies to be used in Project:	

Supervisor Information					
Name:					
Address:	Department of Computer Science				
Designation:	Assistant Professor		Email:		
Ph. (Res.)		Office:		Mobile:	

Group Students					
No.	Uni. ID	Name	Email	Ph (Mob.)	Signature
1.					
2.					
3.					
4.					

Supervisor Signature & Date: _____

_____
Head - Graduation Project Committee

(For office use only)

Date: _____

☐Approved   Group ID**:** _____

☐Meeting Required: Date: _____   Time: _____   Place: _____

☐Rejected

Remarks:

_____

_____

Project Title (if Revised):

_____

_____
The Dean
(Chairman Project Committee)

GRADUATION PROJECT ACTIVITY REPORT

Date:_____   Day:_____   Meeting No. _____   Time of meeting _____

SECTION ONE: GENERAL INFORMATION & ATTENDANCE				
Project Title				
	Stu-ID	Stu-Name	Stu-Sign	Any Comment(s)
Student 1				
Student 2				
Student 3				
Student 4				
Student 5				
Report compiled by:	*(Name and signature)*			

SECTION TWO: LIST OF ACTIVITIES AND TASKS ALLOCATED

SECTION THREE: COMPLETION AND PROGRESS OF PREVIOUS ACTIVITIES

SECTION FOUR: OUTPUTS AND DELIVERABLES

SECTION FIVE: ISSUES AND COMMENTS

Supervisor Signature _____

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

Group No.: _____

Dated: _____

Mid-Term Evaluation & Assessment Form

FINAL PROJECT (495 COMP-3)   SEMESTER: Spring 2019-2020

Student Name		Student ID	
Project Title *(As registered)*			
Supervisor			
Advisor			

PROJECT ANALYSIS & DESIGN ASSESSMENT

Category	Details	Weight	0	1	2	3	4	5	Marks
Introduction	Abstract	5%	0	1	2	3	4	5	
	Problem Definition	5%	0	1	2	3	4	5	
Literature Review	Analysis of Existing System and limitations	5%	0	1	2	3	4	5	
Project Scope	Project Scope, Goals and Objectives	5%	0	1	2	3	4	5	
System Analysis	User and System Requirements (Functional & Non Functional Requirements)	10%	0	2	4	6	8	10	
	Project Methodology, Tools and Techniques	5%	0	1	2	3	4	5	
Project Design	Data Flow Design (System Flow, Algorithms, DFD etc.)	10%	0	2	4	6	8	10	
	UML Diagrams (Class, Use case, Sequence, etc.)	10%	0	2	4	6	8	10	
	Database Design (E-R diagram)	10%	0	2	4	6	8	10	
Technical Knowledge and Presentation	Ability to describe and justify the project relevance, scope, goals and objectives	10%	0	2	4	6	8	10	
	Knowledge of Tools and Technologies used for the development of project	5%	0	1	2	3	4	5	
	Clear Understanding of DFD, UML and E-R diagram	10%	0	2	4	6	8	10	
	Presentation Skills	5%	0	1	2	3	4	5	
Project Plan and Miscellaneous	Work Break Down Structure, Gantt Charts	5%	0	1	2	3	4	5	
						Total Marks from 100			

Examiners or Supervisor Comments (if any) :

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………..

………..

………..

Examiner Name & Signature		**Average Marks Out of 20**	*For Office Use only*

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

Group No.: _____

Dated: _____

FINAL PROJECT *(495 COMP - 3)*   **SEMESTER / SESSION :** *FALL 2019-2020*

Pre Presentation Evaluation & Assessment Form (Design & Implementation)

(SUPERVISOR ONLY*)

Instructions   :   *The Examiner / Supervisor is required to fill this form and submit to the GPC Coordinator after evaluation.*

Student Name :		**Student ID:**
Project Title :		
Supervisor :		

SECTION A :	**PROJECT OVERALL ASSESSMENT (40 Marks)**	
Category	**Details**	**Marks**
Punctuality & Regularity	Meetings and Attendance	/ 10
Understanding of Project	Problem Statement Literature Review / Case Study Project Scope Project Objectives / Benefits Project Methodology	/ 10
System Demonstration	System Development and Implementation	/ 12
Project Group Work	Organization & Team Work	/ 8
Section A Total:	*To be filled up by the Examiner/Supervisor*	**/ 40**

SECTION B :	**PROJECT DOCUMENTATION ASSESSMENT (40 marks)**	
Category	**Details**	**Marks**
Introduction	Abstract Problem Statement Literature Review / Case Study	/ 4
Proposed Solution (System Analysis)	Project Scope Project Objectives Potential Benefits Project Methodology System Requirements	/ 8
Project Design	System Flow Input / Output System Design / Algorithm / Architecture Hardware/Software Technologies used Interface Design	/ 12
Methodology	Tools, Techniques, Processes and methodology	/ 4
Implementation	Development / Coding , Test Cases and testing	/ 8
Standard of English & Report Presentation	Grammar Sentence Structure Content organization / neatness	/ 4
Section B Total:	*To be filled up by the Examiner/Supervisor*	**/ 40**
Grand Total: (Out of 80)		**=**
Net Marks(Out of 40) = Grand Total ÷ 2		**=**

_____   _____

Name (Supervisor)   Signature

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

GROUP NO.: _____

Dated: _____

FINAL PROJECT (495 COMP-3)

FINAL PRESENTATION EVALUATION & ASSESSMENT FORM

For Office Use Only =================≫≫	*Midterm(20)*	*Pre-presentation (40)*	*Final (40)*	*Total (100)*	*Grade*

Student Name				*Student ID*	
Project Title					
Supervisor					

SECTION A :	PROJECT PRESENTATION ASSESSMENT (40 Marks)									

Category	Details	Weight	0	1	2	3	4	5	Marks
Presentation	Presentation Skills Clarity	5	0	1	2	3	4	5	
Project Design	Data Flow Design (System Flow, Algorithms, DFD etc.)	5	0	1	2	3	4	5	
	UML Diagrams (Class, Use case, Activity, Sequence, etc.)	5	0	1	2	3	4	5	
	Database Design (E-R diagram)	5	0	1	2	3	4	5	
System Demonstration	System Development and Implementation	10	0	2	4	6	8	10	
Question & Answer	Ability to justify, and answer firmly Technical Knowledge	10	0	2	4	6	8	10	
* To be filled up by the Examiner	**Total Marks from 40**								

SECTION B :	PROJECT DOCUMENTATION ASSESSMENT (40 marks)		
Category	**Details**	**Weight**	**Marks**
Introduction	Abstract Problem Statement	**2**	
Literature Review	Literature Review / Case Study	**2**	
Proposed Solution (System Analysis)	Project Scope Project Objectives Potential Benefits Project Methodology System Requirements	**10**	
Project Design	System Flow Input / Output Database Design / Algorithm Hardware/Software Technologies used User Interface Design	**10**	
Methodology	Tools, Techniques and Process methodology	**3**	
Implementation	System Development , Test Cases and testing	**5**	
Writing Skill	Grammar Sentence Structure Content organization / neatness	**4**	
Project Quality	Originality	**4**	
* To be filled up by the Examiner	**Total Marks**	**40**	

**For Office Use Only	Grand Total: (Out of 80):	
	Net Total (Out of 40) = Grand Total ÷ 2 =	

Examiner Name & Signature		**Average Marks out of 40** **(For Office Use Only)**	

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
*Faculty of Computer Science
& Information Technology*

Graduation Projects Committee (GPC)

GROUP NO.: _____

Dated: _____

Mid-Term Evaluation & Assessment Form (Research Based)

FINAL PROJECT (495 COMP-3)   SEMESTER: Fall 2019-2020

Student Name		Student ID	
Project Title *(As registered)*			
Supervisor			
Advisor			

PROJECT ANALYSIS & DESIGN ASSESSMENT

Category	Details	Weight	0	1	2	3	4	5	Marks
Introduction	Abstract	10%	0	2	4	6	8	10	
	Problem Statement	5%	0	1	2	3	4	5	
Scope and Motivation	Project Scope, Aims and Objectives	5%	0	1	2	3	4	5	
	Project Motivation, Project Significance	5%	0	1	2	3	4	5	
Project Understanding	Ability to describe and reasoning about chosen project	10%	0	2	4	6	8	10	
System Analysis	System Requirements Specification	5%	0	1	2	3	4	5	
	Project Methodology, Tools and Techniques	5%	0	1	2	3	4	5	
Literature Review	Analysis of Existing System and Limitations	15%	0	3	6	9	12	15	
Project Design	Proposed project design / framework / algorithm	10%	0	2	4	6	8	10	
Technical Knowledge and Presentation	Knowledge of Tools and Technologies used for the development of project	15%	0	3	6	9	12	15	
	Clear Understanding of Proposed project design / framework / algorithm								
	Presentation Skills	10%	0	2	4	6	8	10	
Project Plan and Miscellaneous	Work Break Down Structure, Gantt Charts	5%	0	1	2	3	4	5	
	Total Marks from 100								

Comments (if any) :

………..
………..
………..
………..

Examiner Name & Signature		**Average Marks Out of 20**	*For Office Use only*

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

Group No.: _____

Dated: _____

FINAL PROJECT *(495 COMP - 3)*   **SEMESTER / SESSION :** *FALL 2019-2020*

Pre Presentation Evaluation & Assessment Form (Design & Implementation)

(SUPERVISOR ONLY*)

Instructions   :   *The Examiner / Supervisor is required to fill this form and submit to the GPC Coordinator after evaluation.*

Student Name :		Student ID:	
Project Title :			
Supervisor :			

SECTION A : PROJECT OVERALL ASSESSMENT (40 Marks)		
Category	**Details**	**Marks**
Punctuality & Regularity	Meetings and Attendance	/ 10
Understanding of Project	Problem Statement Literature Review / Case Study Project Scope Project Objectives Project Significance Project Methodology	/ 8
System Demonstration	Experimental Work and Result	/ 10
Conclusion and Future Work	Conclusion, Limitations, Future Work	/ 4
Project Group Work	Organization & Team Work	/ 8
Section A Total:	*To be filled up by the Examiner/Supervisor*	**/ 40**

SECTION B : PROJECT DOCUMENTATION ASSESSMENT (40 marks)		
Category	**Details**	**Marks**
Introduction	Abstract Problem Statement Literature Review / Case Study	/ 4
Problem Definition	Project Scope Project Objectives Project Significance Project Methodology System Requirements	/ 8
Project Design	Proposed Framework / Algorithm	/ 12
Methodology	Tools, Techniques, Processes and Methodology	/ 4
Experiment Work	Experimental Work and Result	/ 8
Standard of English & Report Presentation	Grammar Sentence Structure Content organization / Neatness	/ 4
Section B Total:	*To be filled up by the Examiner/Supervisor*	**/ 40**
Grand Total: (Out of 80)		**=**
Net Marks(Out of 40) = Grand Total ÷ 2		**=**

_____   _____
        Name (Supervisor)   Signature

GPC – Evaluation Form (Research)

Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

Group No.: _____

Dated: _____

FINAL PROJECT (495 COMP-3)
FINAL PRESENTATION EVALUATION & ASSESSMENT FORM (RESEARCH)

For Office Use Only ================>>	*Midterm(20)*	*Pre-presentation (40)*	*Final (40)*	*Total (100)*	*Grade*

Student Name		*Student ID*	
Project Title			
Supervisor			

SECTION A	**:**	**PROJECT PRESENTATION ASSESSMENT (40 Marks)**

Category	Details	Weight	0	1	2	3	4	5	Marks
Presentation	Presentation Skills Clarity	5	0	1	2	3	4	5	
Literature Review	Background of the project	5	0	1	2	3	4	5	
Proposed Project Design	Proposed Framework / Algorithm	5	0	1	2	3	4	5	
System Demonstration	Experimental Work and Results	10	0	2	4	6	8	10	
Conclusion and Future Work	Conclusion, Limitations, Future work	5	0	1	2	3	4	5	
Question & Answer	Ability to justify, and answer firmly Technical Knowledge	10	0	2	4	6	8	10	
* To be filled up by the Examiner	**Total Marks from 40**								

SECTION B	**:**	**PROJECT DOCUMENTATION ASSESSMENT (40 marks)**	
Category	**Details**	**Weight**	**Marks**
Introduction	Abstract Problem Statement	**2**	
Problem Definition	Project Scope Project Aim & Objectives Project Significance Project Methodology System Requirements	**3**	
Literature Review	Literature Review / Case Study	**5**	
Project Design	Proposed Framework / Algorithm	**8**	
Methodology	Tools, Techniques and Process Methodology	**2**	
Experiment Work	Experimental Work and Results	**8**	
Conclusion and Future Work	Conclusion, Limitations, Future Work	**5**	
Bibliography	References	**2**	
Writing Skill	Grammar Sentence Structure Content organization / Neatness	**2**	
Project Quality	Originality / Novelty	**3**	
* To be filled up by the Examiner	**Total Marks**	**40**	

**For Office Use Only	Grand Total: (Out of 80):	
	Net Total (Out of 40) = Grand Total ÷ 2 =	

Examiner Name & Signature		*Average Marks out of 40 (For Office Use Only)*	

APPROVAL FOR BINDING OF GRADUATION PROJECT REPORT
GRADUATION PROJECT (495 COMP- 3)

GROUP (CS) : _____

SESSION   2019-2020

To be filled in by student

Student name(s)   :

University ID(s).   :

Project title   :

To be filled in by supervisor*

This is to certify that the project submitted and presented by the above mentioned student(s) is

☐ **COMPLETE & ACCEPTED**   ☐ **INCOMPLETE**   ☐ **NOT ACCEPTED**

and the draft of graduation project report has been corrected from all content flaws, typing errors and language mistakes.

Supervisor name   :

Signature   :

Date   :

*NOTE: The student may proceed with Ring binding <u>ONLY</u> after this section has been completed. The student shall submit three **copies** of Ring bound draft report for Graduation Project to the panel of examiners on the day of final presentation.

For Departmental Office use only

Date received   :

Signatures
availability   :

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Kingdom of Saudi Arabia
Ministry of Higher Education
Jazan University
Faculty of Computer Science
& Information Technology

Graduation Projects Committee (GPC)

Graduation Project:

Format of Final Thesis (Ring-bound & Hard Bound Copies)

Upon completion of the Project, each group of students must bring and submit One (1) Hard bound copy of the final documentation "Green Book" (duly signed by the supervisor) in the office of Graduation Project Committee Head,
3 days before the date of final presentation.

يف نع هتنلاا نم شملا علم ـ نم بل فحت قتو
نم قنا ئاهن " ـ با رضخ") ـ نم ـ شملا (
. بتك شم نلا يئر نجللا لبق 3 ايأ نم خيرات ـ يئ

All the student groups must also submit three (3) Ring bound copies (white books) to the Examiners panel on the day of their presentation. The format of the final thesis must be as follows:

بجي : تا ضبأ بتف)3(قلح سن) (
: ئاه ملع حنلا نلا ـ وكي ـ ـ ـ ـ

- Each copy must be printed and bound with ring-binding (for examiners) in international size A4 (210mm x 297mm);

- Each page must have a left margin and right margin of 3 cm each to allow for binding;

- The thesis must be preceded by the following in the order given:

    - Title page / Cover page

    - Approval for binding page

    - Acknowledgements

    - Table of contents

    - Summary (Abstract) not exceeding 500 words in English

    - Thesis Detail (Project work)

- References should be included at the end of the thesis;

- The thesis should be double-spaced (Line space) or space-and-a-half. Exceptions to double-spacing are: the table of contents, tables, figures, graphs, captions, footnotes, endnotes, appendices, glossary, references/ bibliography and index; these may be single-spaced.

- The title and author's name must be given in block letters on the cover of the thesis;

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- The title or an abbreviation thereof and the author's name must be given on the spine of the thesis;

- The thesis must be bound in Ring Binding / Hard Cover Binding format with lettering (font size) not exceeding 16pts (see Annex I for cover format sample);

- Pages must be numbered in one continuous sequence in numbers. Where a thesis consists of more than one volume, one sequence must be used.

- The Title page, cover page and acknowledgements of the thesis must be printed on single pages. The pages from the <u>content page onwards</u> may be/ can be printed double sided.

- All the groups must submit a softcopy of their documentation on CD.

- The software Compact Disc (CD) must be included with each copy of documentation, it must be placed in a proper CD holder (plastic case) bound/attached to the back page of the document;

Documentation Format:

You are required to format your documentation of Project according to the following requirements.

Font Name: Times New Roman
Font Size: 12 Regular   (For the Draft Matter & Text)
                      14 Bold   (For Normal Headings / Sub Headings)
                      16 Bold   (For Main Headings)

Line Spacing: 1.5
Word Spacing: Normal
The Border spacing of the page should be at-least 1 inch from all sides.

(SPINE)

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[Logo of Jazan University]

[Names and IDs of the Students]

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Computer Science & Information Technology**

Jazan University, Jazan

Kingdom of Saudi Arabia