



Evidence(s) 2025-2026 UI GreenMetric Questionnaire



University : Jadara University
Country : Jordan
Web Address : www.jadara.edu.jo

[7] Governance and Digitalization

[7.12] Implementation of sustainability programs through the utilization of Information and Communication Technology (ICT) aligned with UI GreenMetric criteria (GD.6)

- ❖ **Jadara University integrates Information and Communication Technology (ICT) as a fundamental component of its sustainability governance framework** to support the planning, implementation, monitoring, evaluation, and continuous improvement of sustainability initiatives across the campus. The University has developed and deployed approximately **38 integrated ICT systems** that enhance institutional governance, operational efficiency, resource management, and evidence-based decision-making while advancing sustainability objectives.

- ❖ More information about Jadara University's 38+ ICT Systems is available at:

URL: [Jadara University ICT Systems](#)

- ❖ Following on page 2 is the Table with **examples & screenshots** of the ICT System for Sustainability implemented on Campus:

Sustainability Domain	ICT Programs for Sustainability on Campus
Sec A. Infrastructure	E-Learning Full System as Follows: A) Smart Classrooms & Smart Meeting Rooms & Smart Labs B) E-Learning System Policies and Instructions + Portal C) E-Learning Faculty Members Portal Follow-Up system for Monitoring & Evaluation D) "CLOs" System for Outcomes Monitoring and Evaluation E) Free & strong WIFI connectivity on Campus to all population (students, staff, visitors) Additional ICT Systems are provided for Infrastructure on Campus: 2- ICT in HR : Installation of Smart Attendance Management System. 3- ICT " CMS System "Administrative Portal for Monitoring and Support   1.A) Installation of smart classrooms Right/ and Smart Labs Left (Jadara University Campus, Jordan)  1.A) Installation of smart Meeting Rooms for Governance Officials, Adminis- Members (Jadara University Campus, Jordan)
	Jadara University Irbid – Jordan  جامعة جدارا إربد - الأردن Department of Quality Assurance Center of E-Learning E-Learning Instructions The Concept of e-Learning The concept of e-learning refers to the process of teaching and learning using electronic media, including the computer and its multiple software, networks, the Internet, electronic libraries, and others, all of which are used in the process of transferring and delivering information between the teacher and the learner and prepared for specific and clear educational goals. It is considered a pattern of learning that takes place in the procedures of the educational learning situation electronically, and it is possible to provide scientific content and deliver skills and concepts to students using information and communication technologies and multimedia in a way that makes the learner able to interact with the electronic educational environment, and be positive and active, whether synchronously or asynchronously. 1.B) Screenshot of ICT / E-Learning Policy & Instructions (Jadara University Campus, Jordan) Link: E-Learning Policy and Instruction.pdf Responsible Team: Deans, HODs, Faculty Members, E-learning Center Officials, ICT Team, QA Deaprtment₂



UI GreenMetric
Sustainable University Rankings

Continue Sec A. Infrastructure

Jadara University
Irbid – Jordan



جامعة جدارا
إربد - الأردن

Department of Quality Assurance
Center of E-Learning

2. **Asynchronous Learning Contents:** The faculty member must adhere to the following components:
- I- Short educational videos ready or prepared by the teacher are uploaded weekly on the platform for students to watch, answer questions about them, and then discuss them in the simultaneous meeting.
 - II- Exercises
 - III- Quizzes
 - IV- Tasks related to the material
 - V- Projects (individual or group)
 - VI- Conversations on topics for discussion
 - VII- Additional Readings
 - VIII- Reports or Research
 - IX- Any other components.

1.B) Screenshot of ICT / E- Learning System Instructions (Jadara University Campus, Jordan)

Link [E-Learning Policy and Instruction.pdf](#)

Responsible Team:

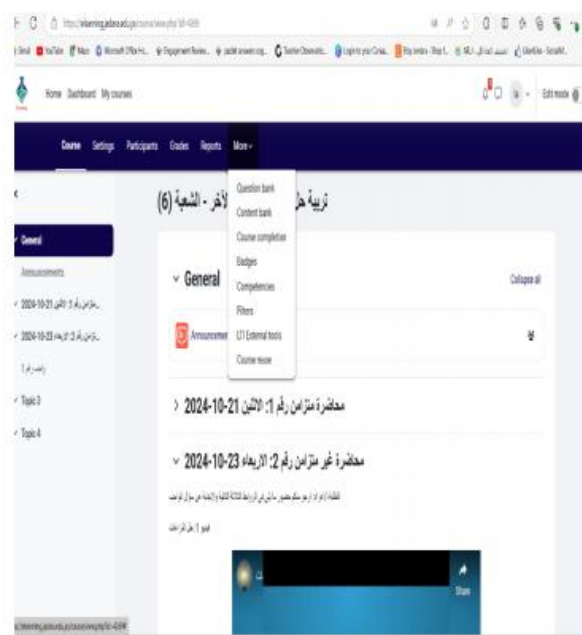
Deans, HODs, Faculty Members, E-learning Center Officials, ICT Team, QA Department



Continue Sec A.
Infrastructure

الافتح الإلكتروني مركز التعليم الإلكتروني 2023-2024

طريقة ضبط الإعدادات على منصة Microsoft teams
آلية تحميل الفيديو على نظام التعليم الإلكتروني E-learning Systems
طريقة رفع رابط الفيديو المسجل على منصة التعليم الإلكتروني الخاصة بالجامعة
الطريقة الأولى لأخذ المحضور والغياب
الطريقة الثانية لأخذ المحضور والغياب
طريقة اعداد الامتحان على Microsoft forms
التحضير للمحاضرة مع الإعدادات الخاصة
طريقة إضافة مادة تعليمية : كتاب ، وصف مسجل على eLearning system
تحميل وتحميل المحاضرة المسجلة ومشاركتها مع الطلاب
طريقة الوصول للامتحان من الكمبيوتر على Microsoft forms
طريقة الوصول للامتحان من الموبايل على Microsoft forms



Learning%20Policy%20and%20Instru ction.pdf

In the first Photo: A series of educational videos explaining how to use the educational platform for faculty members and assign each video to explain a specific function. Here are some the features of the system:

1. Login to the educational platform using an email and password.
2. Manage the personal page for faculty members
3. Create and manage courses
4. Upload study materials and interactive content
5. Prepare and manage assessments and tests
6. Manage student attendance and interact with them
7. Prepare and manage interactive forums
8. Student Academic Performance Analysis// use the performance analysis tools on the platform to assess students' levels and track their academic progress.
9. The System has been **implemented** since 2018.
10. The System has been **Modified and revised** during COVID- 19 quarantine and last semester as well and have been modified several times to optimize sustainability and efficiency. Comes along this revision a massive training for Staff and Faculty Members on how to use it, **recently revised in 2024-2025.**

Responsible Team:

Deans, HODs, Faculty Members, E-learning Center Officials, ICT Team

1.B) ICT / Screenshot of E-Learning System (Jadara University, 2023-2024)



UI GreenMetric

Continue Sec A.
Infrastructure

Dashboard

المسائل: 2 | المقالات: 3 | المخرجات: 2 | المنشورات: 3

الاسم: Luai Aderb Suleiman Al-Issa | الرقم الوظيفي: 9731009609 | الرقم الوظيفي: 795782933

الصورة الشخصية: صورة الوظيفي | صورة الوظيفي | صورة الوظيفي

Google Scholar | Research Gate | Scopus | Linked in

البريد الإلكتروني: Lalissa@jadara.edu.jo

Monday, October 23, 2024 10:22 PM

HR Information Error

قائمة الأبحاث: Scopus, Google Scholar, Research Gate, HR Information Error

Research Gate	Scopus	Google Scholar	Linked in	HR Information Error
Citation	h-index	Citation	h-index	h-index
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1.C) ICT /Faculty Members Follow-Up Management System (Jadara University Campus, Jordan)

Settings		Analysis		Marks	
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Degree: بكالوريوس					
Semester: 2023/2					
Lecturer: د. أيمن عيسى					
Course: هندسة البرمجيات					
Code: 906422					
Knowledge		The Skills		Competences	
K1	K2	S1	S2	C1	C2
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
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20	20	20	20	20	20

Settings		Analysis		Marks	
End	Save	PDF	Status		
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Knowledge		The Skills		Competences	
K1	K2	S1	S2	C1	C2
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20	20	20	20	20	20

Microsoft Excel (Product Activation Failed) - IL0sAP2

Course Intended Learning Outcomes - مخرجات المقرر

Semester: 2023/2

Lecturer: د. أيمن عيسى

Course: هندسة البرمجيات

Code: 906422

Percentage

K1: 100%

K2: 100%

S1: 100%

S2: 100%

C1: 100%

C2: 100%

IL0sAP2

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1.D) Screenshot of CLOs System (Jadara University, 2023-2024)



**Continue Sec A.
Infrastructure**



3- ICT "CMS System "Administrative Portal for Monitoring and Support as Follows:

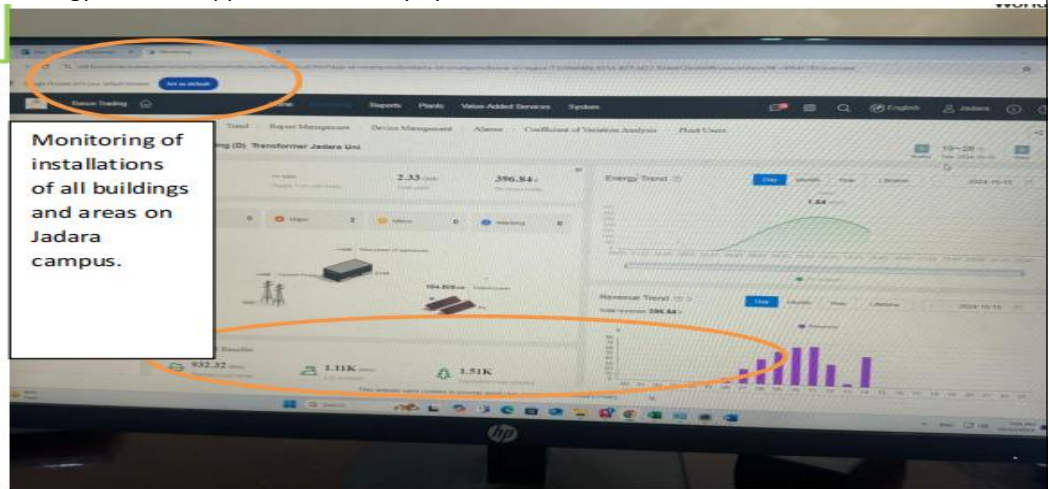


Responsible Team: Governance, ICT Team, Jadara Web developers, Administrative staff, Support Staff



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- Renewable Solar Energy Management Software
- Energy Monitoring System
- Solar Energy Supply Management System
- Air Conditioning Monitoring System
- Heating Management System
- CAC (Climate & Air Conditioning) Management System
- LED Lighting Efficiency Management System
- Carbon Footprint Tracking System
- Transportation Emissions Evaluation System
- Energy-Efficient Appliance Inventory System



Sec B. Energy and Climate Change

1) Renewable Energy Software our ICT System For Energy (Jadara University, Jordan)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Assess potential for renewable energy Software development & installations	mapping, renewable energy simulation software	Feasibility studies, site assessment reports	2018-2019	Renewable Energy Development Software Engineering & Facility Management Office
Implementation	Install solar panels,	Project management tools, Development, testing, installation scheduling software	Development & Installation logs, energy generation data	2019-2020	Renewable Energy Development Software, Engineering & Facility Management Office
Monitoring & Revision	Track renewable energy production	Renewable energy monitoring systems	Energy production reports, performance analytics	Ongoing Every minute after each time interval	Renewable Energy Office + Engineering & Facility Management Office Sustainability Office



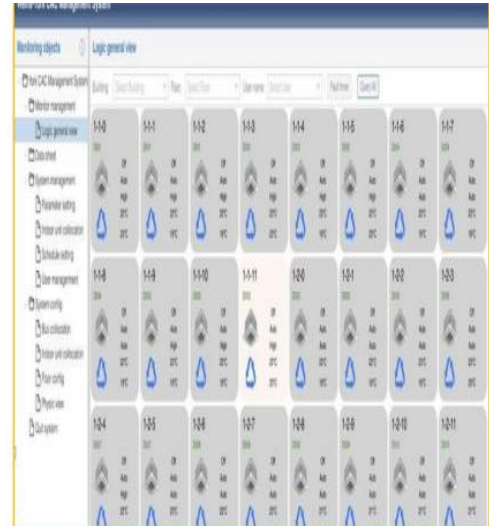
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Sustainable University Rankings

**Continue Sec B.
Energy &
Climate Change**

2) ICT software to manage both Energy/Lightning and Air conditioning quality →

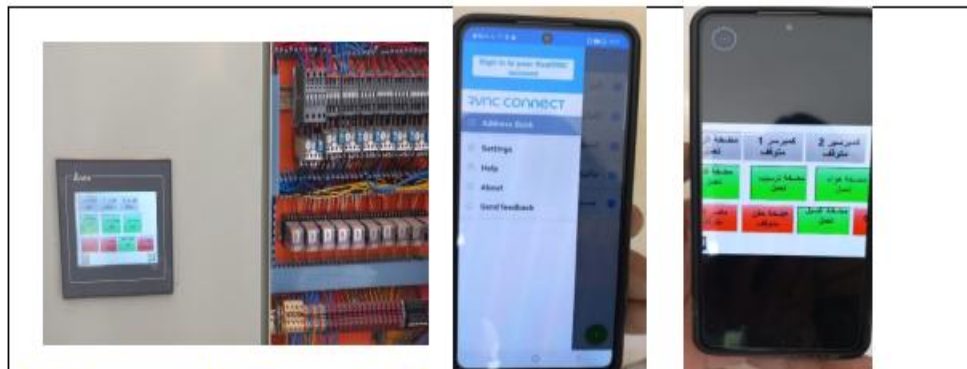
Description:

- ✓ **Planning:** Jadara University Engineering Office planned for the development and utilizing of the 2 innovative ICT software to promote sustainability on its campus which is called CAC management System Installed to control both Energy/Lightning and Air conditioning quality through software that is controlled by specific personnel in each building. This is applicable to all 7 buildings.
- ✓ **Implementation:** procurement & installation and training to use the CAC software in 2022 that is accessible via a mobile app or software on other computer devices in real times.
- ✓ **Monitoring and Evaluation:** The Facility Management members are trained to use the software in order to monitor the consumption of energy, the lightning and the quality of AC in all buildings.
- ✓ **Revising:** Early this year, the software was revised so this involved upgrading system protocols for optimized climate control and integrated advanced sensors on all buildings for more precise environmental adjustments with the help of the vendor who programmed and installed the full system.





- ICT Wastewater Treatment Management System (RVNC CONNECT App / Real VNC Server)
- Smart Wastewater Monitoring Software
- Wastewater Analytics System
- Smart Meters for Wastewater Treatment
- Remote Monitoring & Evaluation Platform for Wastewater Quality
- Planned Smart Waste Bins with Real-Time Collection Tracking



ICT software named "Real vnc connect" for treated Waste Water and Sewage Disposal Management

Sec C. Waste Management

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Develop wastewater treatment and sewage disposal plan	WasteWater analytics software by an external service provider	Strategic plan documents, waste production and disposal reports	2022	Sustainability Office, Engineering and Facility Management Office, Service Provider.
Implementation	Install sensors and fixtures that use ICT system to operate wastewater treatment.	Smart meters, wastewater management application and software "RVNC CONNECT App/ Real VNC Server"	Installation documents and logs	2022	Engineering and Facility Management Office, Service Provider.
Monitoring	Track wastewater treatment	Real-time monitoring software + app "RVNC CONNECT App/ Real VNC Server"	Wastewater treatment reports, volumes and quality analytics	Ongoing	Sustainability Office, Engineering and Facility Management Office
Evaluation & Revising	Assess effectiveness of waste water treatment process	Data analysis tools, Feedback software using "RVNC CONNECT App/ Real VNC Server"	Evaluation reports Feedback reports by operator personnel	Daily	Sustainability Office, Engineering and Facility Management Office



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- Water Conservation Management System
- Artesian Well Water Supply Control System
- Rainwater Harvesting Management System
- Smart Water Pumping Control System
- Water Treatment Plant Management System (RVNC CONNECT App / Real VNC Server)
- Smart Irrigation Management System
- Water Consumption Monitoring System
- Water Analytics & Reporting Platform
- Water Quality Monitoring and Feedback System

1) ICT System for Water Conservation through Artesian Well provides ground water (owned by Jadara University/on Campus land) & Water Supply Control

2) ICT System for Waste Water Treatment Management (Treatment Plant owned by Jadara University/on Campus land) &/ 3) treated water Pumping System.

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Develop water conservation plan on: water consumption, collect Rainwater and treat it, also to build a system to extract renewable ground water.	Water analytics software by an external service provider	Strategic plan documents, water consumption reports	2014 License of Aretsian Well + November 2018- Jan 2018 Operate Aretsian Well+ 2022 Water Management Software)	Sustainability Office, Engineering and Facility Management Office, Service Provider.
Implementation	Install water-efficient fixtures, promote awareness through programs and sessions, use ICT system to operate pumps of clean water and water treatment.	Smart meters, water-managemet application and software "RVNC CONNECT App/ Real VNC Server"	Installation documents, awareness info session reports and materials	Jan 2018- Sep 2024	Engineering and Facility Management Office, Service Provider.
Monitoring	Track water consumption	Real-time monitoring software + app "RVNC CONNECT App/ Real VNC Server"	Water consumption reports, savings analytics	Ongoing	Sustainability Office, Engineering and Facility Management Office
Evaluation & Revising	Assess effectiveness of conservation programs	Data analysis tools, Google feedback forms	Program evaluation reports Survey by users on campus	Semi-Annually	Sustainability Office, Engineering and Facility Management Office

Sec D. Water Management

1) ICT System for Water Conservation through Artesian Well provides ground water (owned by Jadara University/on Campus land) & Water Supply Control

Campus Buildings Pumps From Rainwater Tank

ICT system for Managing the pumping system of Ground Water from Artesian Well via system and mobile app

ICT System for Rainwater Tank Management (via system and mobile app)

2) ICT System for Waste Water Treatment Management (Treatment Plant owned by Jadara University/on Campus land) & treated water Pumping System.

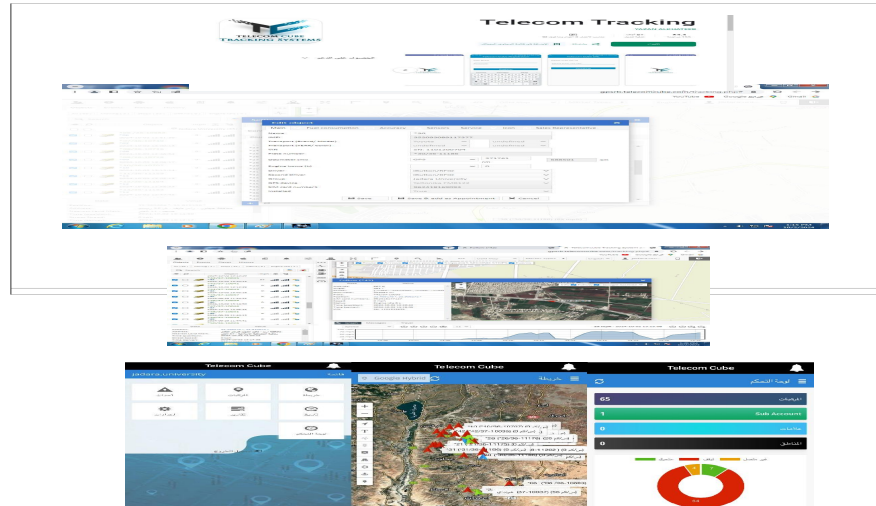
ICT system for Waste Water Treatment Management



- Jadara Telecom Vehicle Tracking System
- GPS Fleet Management System
- Bus Tracking & Scheduling Application
- Real-Time Vehicle Monitoring Dashboard
- Route Optimization & Analytics System
- Transportation Performance Evaluation System

Jadara Buses Tracking Systems & Scheduling App

Jadara Telecom Cube Tracking app (Jadara University, Jordan)



Sec E. Transportation

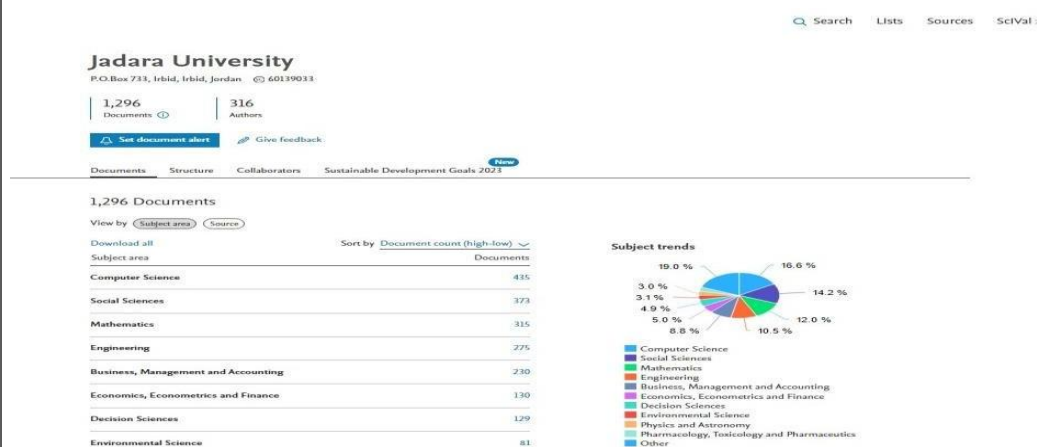
Phase	Key Activities	ICT Tools Used	Evidence	Timeline	Responsible Team
Planning	Needs assessment, tech selection, budgeting, compliance	ASP.NET, MySQL	Assessment reports, route plans	Apr 2019	Sales & Operations Managers
Implementation	GPS installation, app launch, staff training	iOS/Android apps, GPS tracking	Launch reports, app usage data	Jul 2019	Operations Department
Monitoring	Real-time tracking, alerts, performance metrics	TELECOM TRACKING, analytics dashboard	Monthly optimization reports	Monthly	IT Department
Evaluation	Data analysis, feedback, reporting	GPS data tools, survey instruments	Weekly efficiency reports	Monthly	Operations Department
Revising & Improvement	System upgrades, strategy refinement	Software updates, revised route plans	Updated logs and improvement records	Ongoing	Operations & IT Departments



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- E-Learning Platform
- Smart Classroom Technologies
- Smart Laboratories
- Smart Meeting Rooms
- Faculty Performance Monitoring Portal
- CILOs Assessment & Learning Outcomes System
- Student Performance Analytics Tools
- Online Assessment & Examination System
- Attendance & Student Engagement Monitoring
- Interactive Learning Content Management

Scientific Research Tracking and Monitoring and Evaluation System (Jadara University, Jordan)



Sec F. Education

1- Scientific Research Management System

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Identify key areas of sustainability for research focus	Research Management Software	Research Documents	Dec 2024 – Feb 2024 At the ending of each fiscal Year	Scientific Research Deanship
Implementation	Funding & Budget Allocation on Sustainability Research	Financial Management Systems	Funding records, Project Monitoring	Ongoing	Scientific Research Deanship+ Financial Department
Monitoring	Track research progress and publication output	Research Tracking & Management system	Publication databases, progress reports	Ongoing	Scientific Research Deanship
Evaluation & Revision	Evaluate the impact and quality of publications	Citation Analysis Tool, Peer Review Systems, Scopus, Elsevier, Google Scholar+	Impact Reports, Citation metrics and Reports	Semi-Annual	Scientific Research Deanship+ Research Center

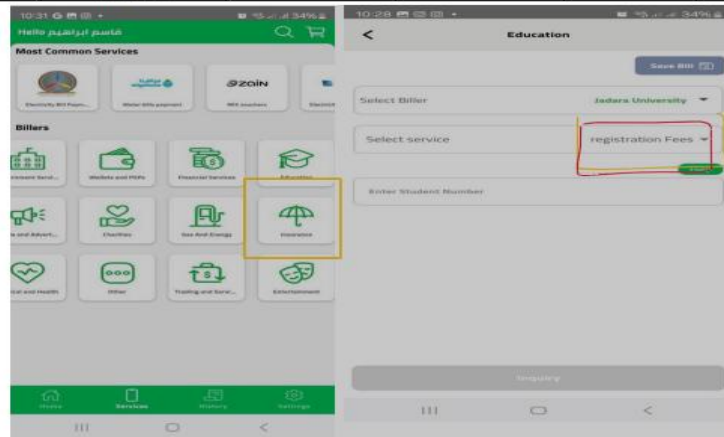
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Sustainable University Rankings

2- Mobile Banking and Financial Inclusion System

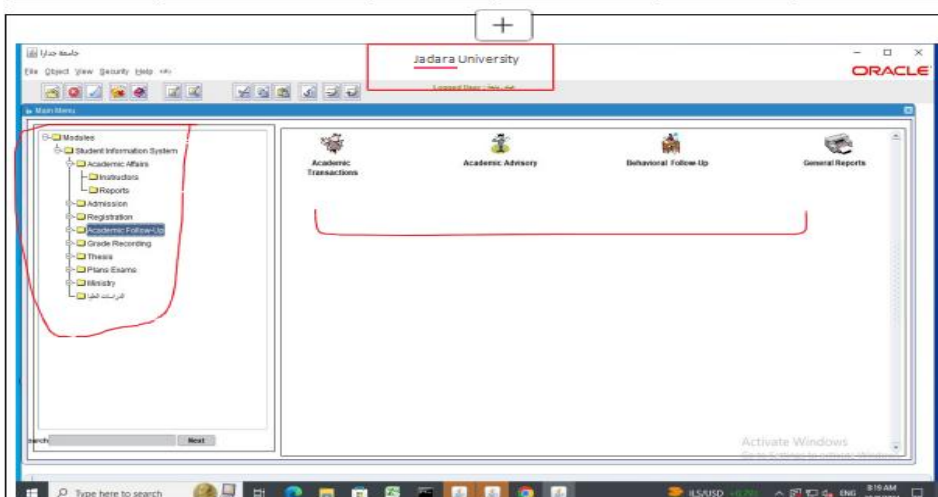
Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Implementation, Monitoring, & Evaluation & Revision	Student Remote Payments (Receivables), Employee Payroll (Payables), 3 Party Billing (Receivables), Transfer Money (Payables & Receivables), Incentives	E-fawateer.com Application, Partnering Bank System, Financial Management System	Financial Reports and Transaction Records, Bank Statements	Ongoing	Financial Department+ HR Department + Admission & Registration Deanship+ Procurement Department and other relevant stakeholders.



Continue Sec F. Education

3- Graduate and Post- Graduate Programs Management System

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning, Implementation, Monitoring, & Evaluation & Revision	Student admission & enrollment, Student Course Registration, Student Course Mapping, Degree Equivalencies, Monitoring & Grading Records, Exams, Thesis Records	Student & Program Management Information System	Exam Reports, Credit Hour Reports, Transactions, Status and Follow up documents, Behavioural and academic reports.	Ongoing through Each Semester	Registration Deanship+ Faculty of Post-Graduate Studies, E-Learning Center + Relevant Faculty of the programs.





4- ICT Models for Educational Management System at Jadara University

نموذج نموذجية النظام التعليمي على مستوى الجامعة

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نموذج نموذجية النظام التعليمي على مستوى الجامعة

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نموذج نموذجية النظام التعليمي على مستوى الجامعة

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Continue Sec F.
Education

5- E-Learning System at Jadara University

