

التعريف بنظام إدارة التعلم thinqi

ا.م. د. هبة نشأت
مدير مركز التعليم الإلكتروني
بجامعة بورسعيد



منصة Thinqi

- بناء على الاتفاقية المبرمة بين المجلس الأعلى للجامعات المصرية وبنك المعرفة المصري لتوفير نظام إدارة مصادر التعليم Thinqi بالجامعات المصرية.
- جامعة بورسعيد من الجامعات الرائدة لتطبيق النظام والتدريب على استخدامه.
- سوف يتم بدء التدريب وإقامة ورش العمل من خلال مركز نظم المعلومات بالجامعة ووحدات تكنولوجيا المعلومات بالكليات وذلك لتدريب أعضاء هيئة التدريس والهيئة المعاونة بجامعة بورسعيد.
- علي ان يتم بدء العمل بمنصة Thinqi مع بداية العام الدراسي ٢٠٢٢ - ٢٠٢٣

منصة Thinqi

- منصة تعليمية تساعد في الوصول للمادة العلمية في أي وقت وأي مكان.

مميزات منصة Thinqi

سهولة التواصل بين الدكتور والطلاب

إتاحة العديد من المصادر الخارجية للاستعانة بها في المحتوى

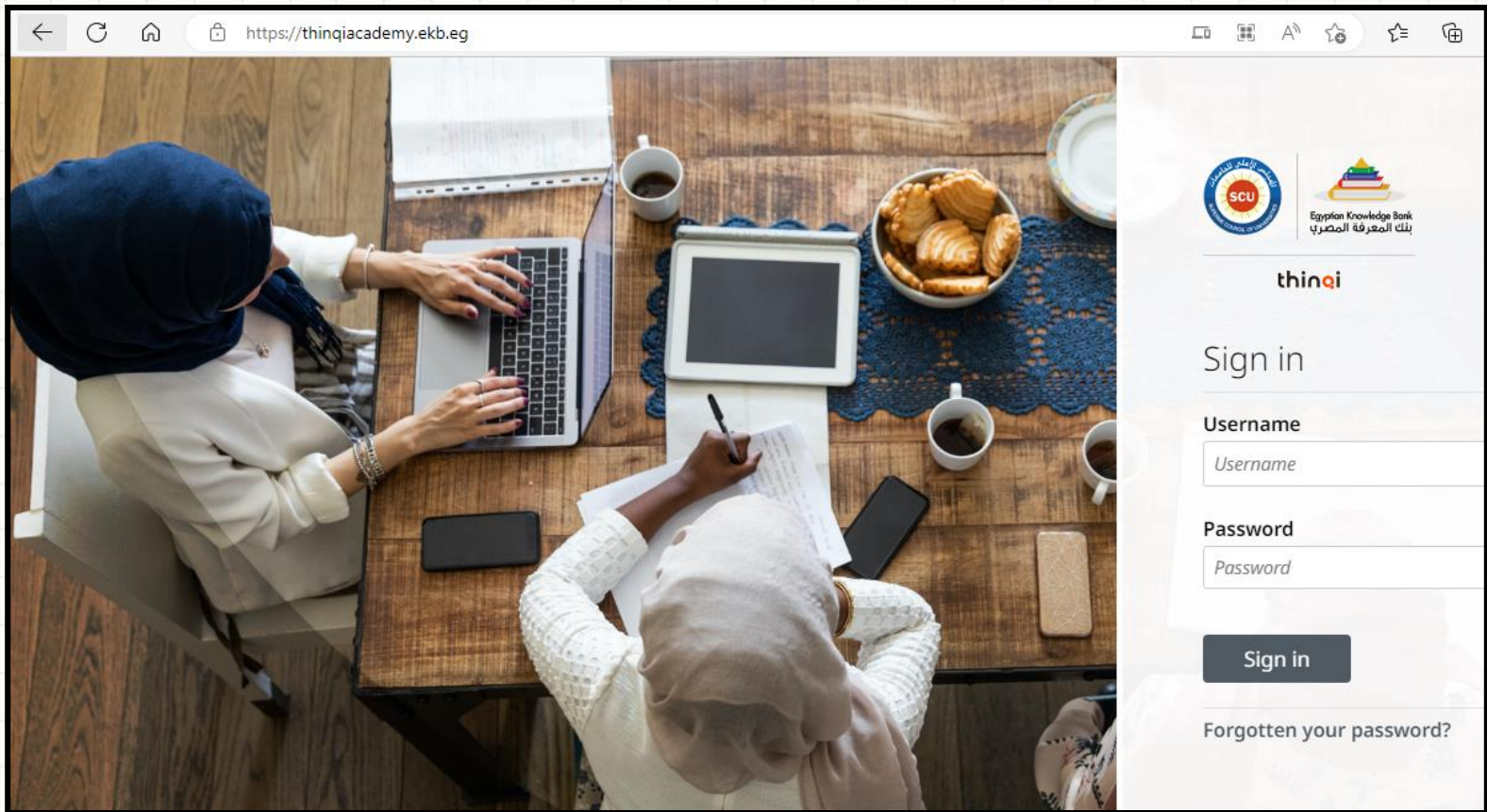
سهولة إنشاء محتوى علمي

إمكانية عمل محاضرات أون لاين

إمكانية عمل تقارير مفصلة

منصة Thinqi

- يتم الدخول إلى المنصة من اسم المستخدم وكلمة المرور الخاصة وتسجيل الدخول.



إدارة المقررات

- تظهر قائمة Menu العديد من الخيارات والتي تختلف حسب صلاحيات المستخدم (عضو هيئة تدريس - هيئة معاونة - طالب).

The screenshot displays the thinqi LMS interface. At the top, there are logos for SCU and the Egyptian Knowledge Bank, a search bar, and user information for Mona Nashaat. The main navigation bar includes Workspace, Launchpad, Planner, Feed, Notifications, and Manage content. The Launchpad section contains icons for Course Guide, Authoring Tools (Playlists), Groups, Learn Communities, Admin, and Support. A 'Menu' dropdown is open, showing a list of items: Personal Work Environ... (with a notification badge), Course Guide, Authoring Tools (Playli..., Groups, Learning Communities, and Assignments. A secondary list on the right includes Events, Rubrics, Reports, Admin, and Support. A '+ Add content' button is visible in the top right. At the bottom, a 'Manage your apps' button is shown with the text 'Order your menu items and add shortcuts to your favourite websites.'

إدارة المقررات

- لتصفح المقررات المتاحة لعضو هيئة التدريس والتي كلف بالتدريس بها- نختار Course Guide ثم Manage Courses

The screenshot displays the E-Learning Center interface. At the top, there are logos for SCU and the Egyptian Knowledge Bank, along with a search bar. The navigation menu includes 'Courses', 'My Courses', 'Discovery', and 'Manage Courses', with 'Manage Courses' highlighted by a red box and a circled '2'. A 'Menu' dropdown is open, showing options like 'Personal Work Environ...', 'Course Guide' (highlighted with a red box and a circled '1'), 'Events', 'Rubrics', 'Reports', 'Admin', 'Support', 'Groups', 'Learning Communities', and 'Assignments'. Below the navigation, the 'Manage Courses' section is visible, showing a list of courses with columns for 'Order by', 'Filter by', and 'Published'. Two courses are listed: 'Wireless Networks' and 'Computer Network', both with 'Published' status and a timestamp of '22/07/2022 14:34' and '22/07/2022 14:33' respectively.

إدارة محتوى المقرر

- نختار المقرر المراد إضافة محتوى له ونضغط عليه.
- يجب تحديد مخرجات التعلم للمقرر ILOs قبل إضافة أي محتوى.

The screenshot shows the thinQI LMS interface. At the top, there are logos for SCU and the Egyptian Knowledge Bank, along with a search bar and user information for Heba Nashaat. The main content area displays a course titled "Wireless Networks" with a code of 3332, published status, version (v1.0.1), privacy set to Port Said, and 0 cohorts. Below this, it states "Wireless Networks (0 items)" and shows a large empty space with a message: "Your course is currently empty. Start building your course by adding sections and content using the 'Add content' panel." On the left sidebar, a red box highlights the "Add content" icon, which is a target symbol with a red dot. A red arrow points from this icon towards the center of the screen. On the right side, the "Add content" panel is open, showing a grid of content type icons: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list.

إدارة محتوى المقرر

يوجد نوعين من مخرجات التعلم Learning Outcomes

الأهداف السلوكية

Course Outcomes

هي أهداف يتم إضافتها من قبل
عضو هيئة التدريس ويتم
اختيارها كلها او بعضها لكل
مقرر.

الأهداف العامة

Program Outcomes

هي أهداف يتم إضافتها من
قبل مدير النظام وتطبق على
جميع المقررات.

إدارة محتوى المقرر

- أولاً يتم تحديد الأهداف العامة والتي يتم تحقيقها من خلال المقرر الخاص بك من خلال Update ILO alignment

The screenshot displays the 'Wireless Networks' course page. At the top, there is a 'Publish' button. Below it, the course details are shown: 'Code: 3332', 'Published (v1.0.1)', 'Privacy: Port Said', and 'Cohorts: 0'. The main section is titled 'Intended learning outcomes (ILOs)'. Inside this section, there is a card titled 'Update ILO alignment' with a red box around the 'Update ILO alignment' button. The card contains an illustration of a person looking at a mountain peak and text explaining the importance of aligning with program ILOs. At the bottom of the page, there are three buttons: '+ Add new course ILO', 'Import', and 'Export'.

إدارة محتوى المقرر

- نقوم باختيار الأهداف العامة التي تتوافق مع محتوى المقرر الخاص بك ونختار Save

The screenshot displays the 'ILO alignment' interface. On the left, a sidebar lists various subjects: 'Wireless N', 'Code: 3332', 'التسويق', 'ادارة أعمال', 'Medicinal chemistry', 'مدخل للعلوم القانونيه', 'ادارة أعمال', 'إدارة أعمال', 'Computer Engineering' (highlighted in orange), 'Grammaire', 'Human Resource', 'قسم الجغرافيا ونظم المعلومات الجغرافية- كلية الاداب جامعة بنها', 'السياحة والبيئة', and 'ترجمة عامة'. The main area shows a search bar for ILOs and a list of three options: A.1 (checked), A.2 (unchecked), and A.3 (checked). A.3 is highlighted with a yellow box. On the right, a 'Summary of selection (2)' shows 'Computer Engineering' with A.1 and A.3 selected. At the bottom, there are 'Save' and 'Cancel' buttons.

إدارة محتوى المقرر

- ثانياً: نقوم بإضافة الأهداف السلوكية للمقرر وذلك من خلال Add new course ILO

The image shows two overlapping screenshots from a learning management system. The top screenshot, titled 'Intended learning outcomes (ILOs)', features a section for 'Update ILO alignment'. It includes an icon of a person looking at a sailboat and text explaining that aligning with program ILOs helps in planning content and learning experiences. A blue arrow points from this section to the bottom screenshot. The bottom screenshot, titled 'Add new course ILO', shows a form for adding a new course ILO. It includes a language dropdown set to 'English', a 'Name' field with the text 'A.1. Identify main difference between wireless networks.', and a 'Code' field. A blue box provides instructions on what characters are allowed in the code.

Intended learning outcomes (ILOs)

[Update ILO alignment](#)

Align with one or more ILOs

Aligning with program ILOs will help you to plan content and learning experiences. It will also help you and your organisation understand coverage of program ILOs and help other users search and discover content.

[Update ILO alignment](#)

Computer Engineering

ILOs ›

A.1 Identify, formulate, and solve complex engineering problems by applying engineering fundamentals, basic mathematics.

A.3. Apply engineering design processes to produce cost-effective solutions that meet needs with consideration of safety, health, and environmental aspects as appropriate to the discipline.

[+ Add new course ILO](#) [↑ Import](#) [↓ Export](#)

Add new course ILO

English ▾

Name Maximum of 500 characters

A.1. Identify main difference between wireless networks.

Code Maximum of 20 characters

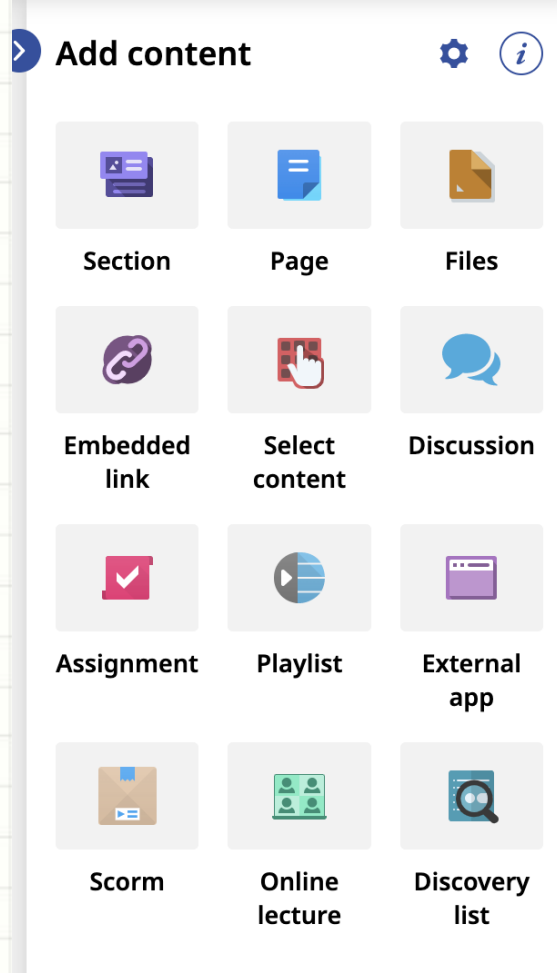
A code can contain any combination of letters and numbers. It can also include special characters such as dashes, colons, slashes, full stops and underscores in between the letters and numbers but not at the start or end of the code.

إدارة محتوى المقرر

- بعد إضافة الأهداف السلوكية للمقرر، يمكن بإضافة المحتوى من خلال Content Editor

The screenshot displays the 'Content Editor' for a course named 'Wireless Networks'. The course details include 'Code: 3332', 'Published (v1.0.1)', 'Privacy: Port Said', and 'Cohorts: 0'. The main content area is currently empty, with a message: 'Your course is currently empty. Start building your course by adding sections and content using the 'Add content' panel.' A red arrow points to a target icon in the left sidebar. The 'Add content' panel on the right offers various options: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list.

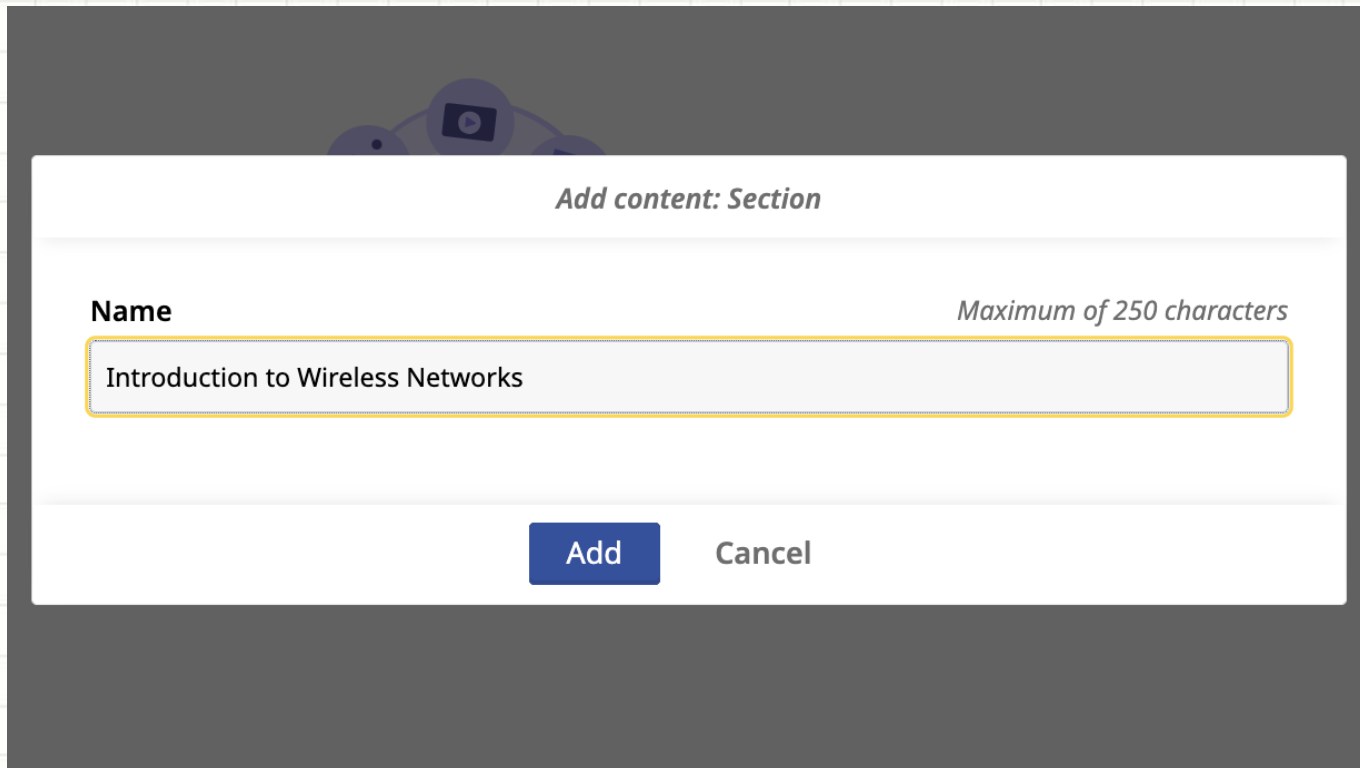
إدارة محتوى المقرر



- يمكن تقسيم المقرر الي أقسام فرعية Sections (قد تكون فصول او أسابيع او مفاهيم).
- يتم إضافة قسم فرعي من خلال Section

إدارة محتوى المقرر

- لإضافة Section نضغط على أيقونة Section في الجانب الأيمن من الشاشة ونكتب الاسم ونضغط Add



Add content: Section

Name *Maximum of 250 characters*

Introduction to Wireless Networks

Add Cancel

إدارة محتوى المقرر

- يتم تقسيم محتوى المقرر الي الأجزاء المطلوبة

The screenshot shows a course management interface for 'Wireless Networks'. The course is published (v1.0.1) and has 0 cohorts. It contains 4 items, each a chapter with 0 items:

- Introduction to Wireless Networks (Chapter)
- Mobile IP (Chapter)
- Network Mobility (Chapter)
- Wifi (Chapter)

The interface includes an 'Add content' sidebar with options: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list.

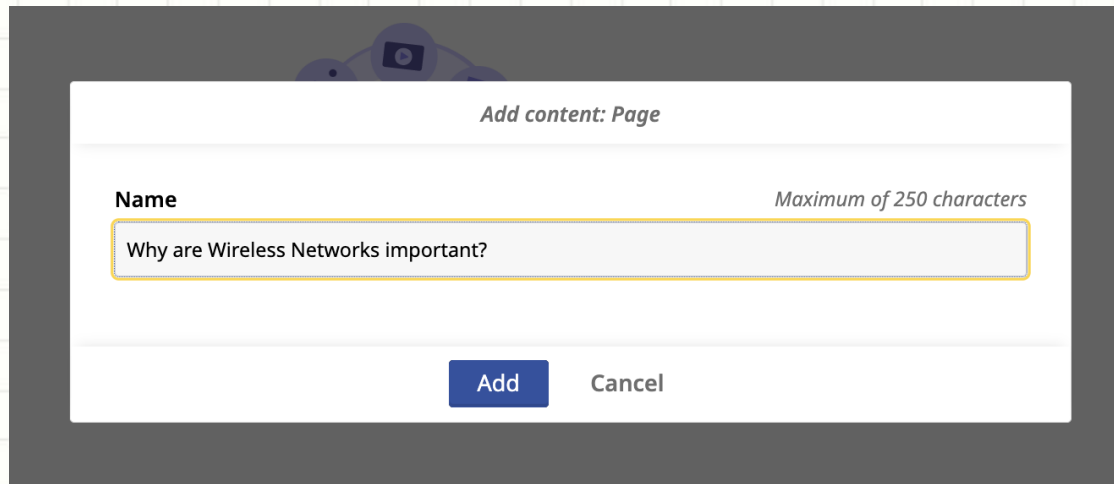
إدارة محتوى المقرر

- بعد الانتهاء من تقسيم المقرر نقوم بإضافة المحتوى الخاص بكل جزء
- وذلك بالدخول علي قسم محدد وإضافة المحتوى المطلوب له.

The screenshot displays a course management interface for 'Wireless Networks'. The course code is 3332, it is published (v3.0.0), and has a privacy setting of 'Port Said' and 1 cohort. The current view is for the chapter 'Chapter: Network Mobility' (0 items). The interface shows a central area with a message: 'This section is currently empty. Start building this section by adding content or other subsections using the 'Add content' panel.' To the right, the 'Add content' panel is visible, offering various content types: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list. A red arrow points from the central area towards the 'Add content' panel.

إدارة محتوى المقرر

- يمكن إضافة صفحة Page وهي خاصية تدمج بين النص والصور فيمكن استخدامها كمقدمة في بداية القسم الفرعي.



Add content: Page

Name *Maximum of 250 characters*

Why are Wireless Networks important?

Add Cancel

إدارة محتوى المقرر

- بعد انشاء الصفحة نقوم بإضافة محتوياتها من نصوص وصور.

The screenshot displays a course management interface for 'Wireless Networks'. The course details include 'Code: 3332', 'Published (v1.0.1)', 'Privacy: Port Said', and 'Cohorts: 0'. The course structure shows 'Chapter: Introduction to Wireless Networks (1 item)'. A page titled 'Why are Wireless Networks important?' is listed with the status 'Page | No content added'. A red box highlights the edit, view, and delete icons in the top right corner of the page entry.

إدارة محتوى المقرر

- بعد ذلك يتم إضافة محتوى للصفحة واختيار حفظ

< Back to course

Wireless Networks
Chapter: Introduction to Wireless Networks

Page authoring English ▾ Some changes have n

Content

Maximum of 30,000 characters

B I U S | | Styles ▾ Normal ▾

1- Increased Mobility: Wireless networks allow mobile users to access real-time information so they can roam around your company's space without getting disconnected from the network. This increases teamwork and productivity company-wide that is not possible with traditional networks. Installation

2- Speed and Simplicity: Installing a wireless network system reduces cables, which are cumbersome to setup and can impose a safety risk, should employees trip on them. It can also be installed quickly and easily, when compared to a traditional network.

3- Wider Reach of the Network: The wireless network can be extended to places in your organization that are not accessible for wires and cables.

4- More Flexibility: Should your network change in the future, you can easily update the wireless network to meet new configurations. Reduced Cost of Ownership over Time: Wireless networking may carry a slightly higher initial investment, but the overall expenses over time are lower. It also may have a longer lifecycle than a traditionally connected network.

5- Increased Scalability: Wireless systems can be specifically configured to meet the needs of specific applications. These can be easily changed and scaled depending on your organization's needs.

< Previous Step
Details

Next Step >
Media and files

إدارة محتوى المقرر

- كما يمكن ربط أي محتوى تتم اضافته بمخرجات التعلم (الأهداف السلوكية) الخاصة بالمقرر والتي تم تحديدها في البداية.

The screenshot displays a course authoring interface for a chapter titled "Introduction to Wireless Networks". The interface includes a navigation bar with a "Back to course" button, the chapter title, and a "Save" button. Below the navigation bar, there is a "Page authoring" section with a language dropdown set to "English" and a "Up to date" indicator. The main content area is titled "Alignment" and shows a list of "Course intended learning outcomes (ILOs)". One ILO, "A.1. Identify main difference between wireless networks.", is selected and highlighted with a yellow border. Navigation arrows for "Previous Step" (Media and files) and "Next Step" (Settings) are visible. A sidebar on the left contains a document icon and a list of sections: "Why are Wireless Networks important?" (Last saved: 3 hours ago), "Details Required", "Content Required", and "Media and files".

إدارة محتوى المقرر

- تظهر الصفحة للطالب بالشكل التالي



Wireless Networks | Chapter: Introduction to Wireless Networks

Why are Wireless Networks important?



Why are Wireless Networks important?

- 1- Increased Mobility: Wireless networks allow mobile users to access real-time information so they can roam around your company's space without getting disconnected from the network. This increases teamwork and productivity company-wide that is not possible with traditional networks. Installation
- 2- Speed and Simplicity: Installing a wireless network system reduces cables, which are cumbersome to setup and can impose a safety risk, should employees trip on them. It can also be installed quickly and easily, when compared to a traditional network.
- 3- Wider Reach of the Network: The wireless network can be extended to places in your organization that are not accessible for wires and cables.

إدارة محتوى المقرر

- يمكن أيضا إضافة ملف للقسم الفرعي من خلال File والتي تمكنك من رفع ملف أي كان نوعه.

The screenshot displays a user interface for managing course content. At the top, the course is identified as 'Wireless Networks' with a code of 3332, published status, version (v1.0.1), and privacy settings. The current chapter is 'Introduction to Wireless Networks'. A specific page titled 'Why are Wireless Networks important?' is selected. A modal dialog box titled 'Add content: Files' is open, featuring a text input field with the placeholder 'Lecture 1 - Slides' and a character limit of 250. Below the input field are 'Add' and 'Cancel' buttons. To the right of the dialog is a sidebar with an 'Add content' section containing various content type icons: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list.

إدارة محتوى المقرر

- بعد إضافة File للقسم الفرعي يتم إضافة المحتويات

The screenshot displays a course management interface for a section titled "Wireless Networks". The interface includes a sidebar with navigation icons, a main content area, and an "Add content" panel on the right. The main content area shows two items: "Why are Wireless Networks important?" (a Page) and "Lecture 1 - Slides" (Files). The "Add content" panel lists various content types: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list. A red box highlights the "Add content" panel, specifically the "Files" option, indicating the process of adding content to the section.

إدارة محتوى المقرر

- يتم رفع الملفات باختيارها من الجهاز الخاص بك ثم الحفظ

[Back to course](#)

Wireless Networks
Chapter: Introduction to Wireless Networks

Files authoring English Up to date [Save](#)

Files

Files
Add one or more files from your device or online files. If only one file is added that file will be displayed immediately upon consumption. For two or more files a list will be presented to students.

Drag and drop a file or click here

[Previous Step](#) [Next Step](#)

Details Alignment

إدارة محتوى المقرر

- يظهر الملف بعد حفظه بالشكل التالي للطالب

The screenshot displays a presentation viewer interface. At the top, the breadcrumb path is 'Wireless Networks | Chapter: Introduction to Wireless Networks' with a sub-item 'Lecture 1 - Slides'. Below this, the title 'Lecture 1 - Slides' is centered. A file icon and name 'Introduction to Wireless Networks 1.5 MB' are shown with a download button. The main content area shows a slide titled 'wireless Networks' by Hiba Meehan. A navigation pane on the left shows a thumbnail of the current slide (1) and a thumbnail of the next slide (2) titled 'What can wireless networks do for us?'. The next slide thumbnail lists topics: 'Introduction to wireless networks', 'Popular wireless protocols', 'Wireless Internet', 'Wireless Local Area Networks (WLAN)', 'Bluetooth', 'Long Term Evolution (LTE)', and 'Ad-Hoc Networks'. The main slide content includes the title 'wireless Networks' and the author 'By: Hiba Meehan'.

إدارة محتوى المقرر

- يمكن أيضا إضافة رابط خارجي للمقرر او القسم الفرعي وذلك من خلال Embedded Link

The screenshot displays the LMS interface for 'Wireless Networks'. The main content area shows 'Chapter: Mobile IP (0 items)'. A modal dialog box titled 'Add content: Embedded link' is open, featuring a text input field with the text 'IPv4 vs. IPv6' and a character limit of 'Maximum of 250 characters'. Below the input field are 'Add' and 'Cancel' buttons. On the right side, the 'Add content' panel is visible, listing various content types such as Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list.

إدارة محتوى المقرر

- بعد إضافة الرابط يتم تعديله لإضافته المحتوى المطلوب

The screenshot displays a course management interface. At the top, the course is titled "Wireless Networks" with a code of 3332, published status, version (v2.0.0), privacy set to "Port Said", and one cohort. A "Publish" button is visible in the top right. The breadcrumb trail shows "Wireless Networks > Chapter: Mobile IP (1 item)". The main content area shows an item titled "IPv4 vs. IPv6" with a link icon and a red warning message: "Embedded link | URL not configured". On the right, an "Add content" panel is open, showing a grid of content types: Section, Page, Files, Embedded link, Select content, Discussion, Assignment, Playlist, External app, Scorm, Online lecture, and Discovery list. A sidebar on the left contains various navigation icons.

إدارة محتوى المقرر

- يمكن استخدام الرابط الخارجي لإضافة مراجع يتم استخدامها في المقرر

< Back to course

Wireless Networks
Chapter: Mobile IP

Embedded link English

Some changes have not been saved yet Save

IPv4 vs. IPv6

Last saved: a minute ago

Details
Required

Alignment

Settings

Details

Name Maximum of 250 characters

IPv4 vs. IPv6

Embedded URL Maximum of 200 characters

Paste URLs from the accepted content providers and add content to your course.

Embed preview available

Tip: Look for embedded links in the content provider; these will often contain the word 'embed' in the URL. This will ensure that the content is embedded properly into the course. ✕

Description Maximum of 1,000 characters

Media
Add an introductory image or video for this content.
[Update media](#)

إدارة محتوى المقرر

- يظهر الملف بعد حفظه بالشكل التالي للطالب



Wireless Networks | Chapter: Mobile IP

IPv4 vs. IPv6



IPv4 vs. IPv6

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11 – 17

Comparision study of MobileIPv4 and MobileIPv6

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Abstract: IPv4 is being replaced by IPv6 due to the increased demand from mobility devices. However, it is necessary that there is a lack of research on what change actually means for the performance of mobility. This research aims at comparing Mobile IPv4 and Mobile IPv6 in terms of performance on latency, TCP/UDP throughput, and connectivity loss while roaming. Thus the study will explore the effects of the future implementation of Mobile IPv6 for mobile devices.

Keywords: MobileIPv4, MobileIPv6, Mobile node, Home address, Care of Address etc...

I. Introduction

With standard IPv4 and IPv6 routing protocols, the IP address changes when a node connects to a new point of access to the network. This will break the on-going TCP, UDP sessions. The internet traffic used today is TCP which is defined by the combination of port number and IP address on both sides of the established connection. When one of

network is known as endpoint identifier. The endpoint identifier is called the mobile host's home address (HoA). On the home network a HA is responsible for storing information about the MNs that has a permanent home address in its network. When the MN moves to a foreign network a special last hop router, known as a foreign agent in MIPv4 and Access Router in MIPv6, informs about the

تصفح المقرر

- يساعد Thingi علي ظهور المقرر للطالب بشكل منظم تبعا لما يحدده مدرس المقرر

Back to course management

Code: 3332

Wireless Networks

Computer Engineering (Level 4)

Current cohort state: Draft Update cohort state

Course content

- Chapter: Introduction to Wireless Networks
- Chapter: Mobile IP
- Chapter: Network Mobility
- Chapter: Wifi

تصفح المقرر

SCU
Egyptian Knowledge Bank
بنك المعرفة المصري
Search site

Menu Heba Nashaat العربية

thinai

Back to course management Code: 3332

Wireless Networks
Computer Engineering (Level 4)

Current cohort state: Draft Update cohort state

Course content

- Chapter: Introduction to Wireless Networks
- Chapter: Mobile IP
- Chapter: Network Mobility
- Chapter: Wifi

Thinqi بجامعة بورسعيد

- ما تم شرحه يعد المرحلة الأساسية التي تؤهلكم لاستخدام منصة Thinqi
- سيتم استكمال التدريب بشكل مفصل وعملي من خلال فريق التدريب ومشرفي نظام Thinqi بالكليات

كلية الهندسة

- د/ رباب فاروق عبد القادر
- د/ هبه نشأت على الموافي

كلية التجارة

- د/ منى احمد حمودة
- د/ هاله السيد إبراهيم عياد

كلية التربية

- د/ هبه محمد عبد النظير
- سارة محمد حسين أبو حجاب

Thinqi بجامعة بورسعيد

كلية التربية النوعية

• د/ طارق حسن الجبروني
• د/ أماني فرج

كلية التربية الرياضية

• د/ محمد حسن رجا
• د/ رامي عبد الرحمن سويلم

كلية التمريض

• د/ نجاة صلاح شلبي سلامة
• م.م/ شريهان جاد جاد

كلية الطفولة المبكرة

• د/ منى جابر محمد رضوان
• د/ ياسمين احمد فيصل عابد

كلية العلوم

• د/ عمرو اسماعيل
• د/ياسمين محمد عبد العزيز

Thingqi بجامعة بورسعيد

كلية الآداب

• د/ مرسى مختار قطب
• م.م/ إيمان رؤوف محمد محمد

كلية الطب

• م.م/ أحمد سمير مجاهد
• م.م/ أحمد عبد الفتاح

كلية الصيدلة

• د/ ايمن ابو المعاطي
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المعلومات

• د/ فيفي فاروق احمد على
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• م. نهى محمود عطية يوسف
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شكرا لكم