

The Guidance of Utilizing LMS (Blackboard) and Support Channels.

The National Information Technology Academy offers the learning content through the LMS (Blackboard).

To access the learning platform, through the following link:

csbd.pmu.edu.sa/NITA.aspx

1. Each trainee will receive the login details to the Blackboard, through e-mail (to ensure information confidentiality), as shown in the below picture:

Greetings,

We congratulate you on being accepted to the *IT Business Analysis Training Program offered by National IT Academy & MCIT*. The course focuses on applying analytical processes to the planning, design and implementation of IT systems to meet the business requirements of customer organizations. This practical course will provide students with fundamental analysis tools and techniques, including methods to understand the business environment, define a problem using a systematic approach, develop and design systems solutions, test the performance and usability of systems, prepare user training documentations, and influence and inform project stakeholders at all levels.

Please [click here](#) for more details on the course outline and schedule.

Introduction of Virtual Classes will start on Thursday, December 31, 2020 at 12:00NN

Please note that your class sessions will be held online through Blackboard Collaborate Online Class. Following are your credentials to access Blackboard and Email:

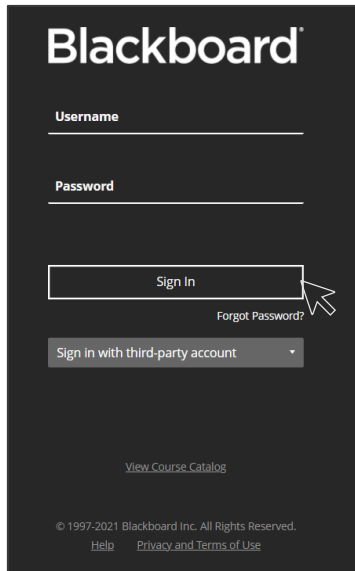
- Blackboard Username:
- Blackboard Initial Password:

- Email Username:
- Email Initial Password:

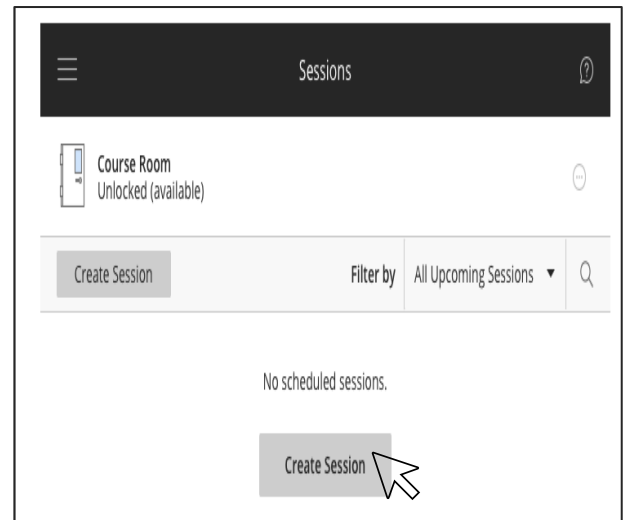
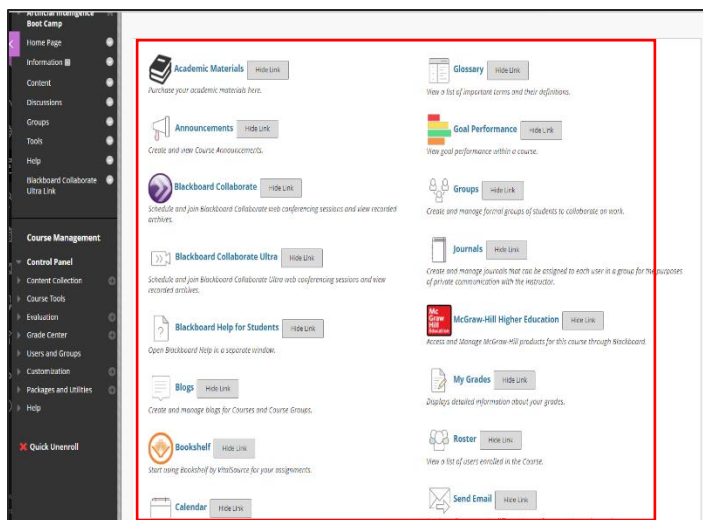
Following are reference links to access Blackboard and your personal email:

- Blackboard Collaborate Online Class Link: <http://csbd.pmu.edu.sa/NITA.aspx>
- Blackboard Tutorial to Student: <https://help.blackboard.com/Learn/Student>
- Email URL: <https://www.office.com/>

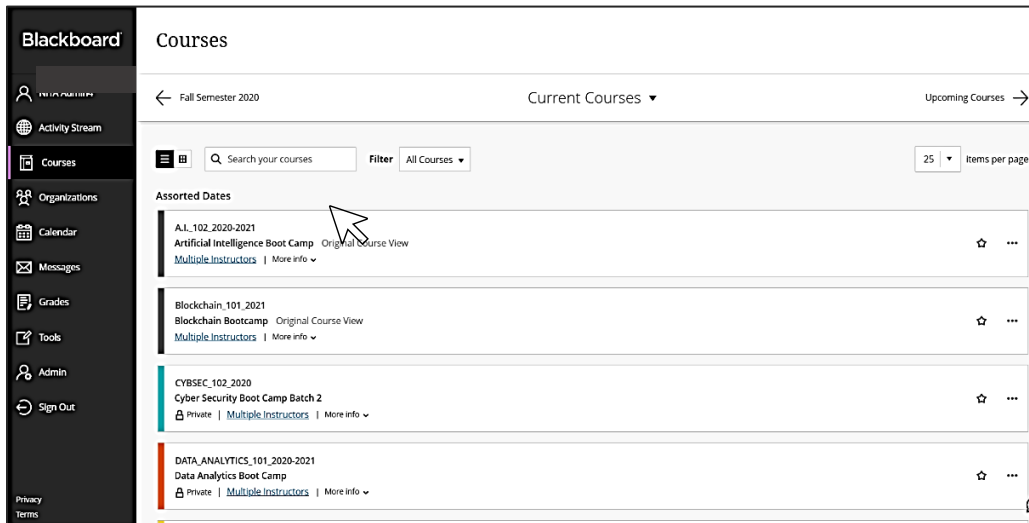
- To access the learning platform, click the “Log In” button, then insert the proffered username and password for each trainee and instructor, as shown in the below pictures:



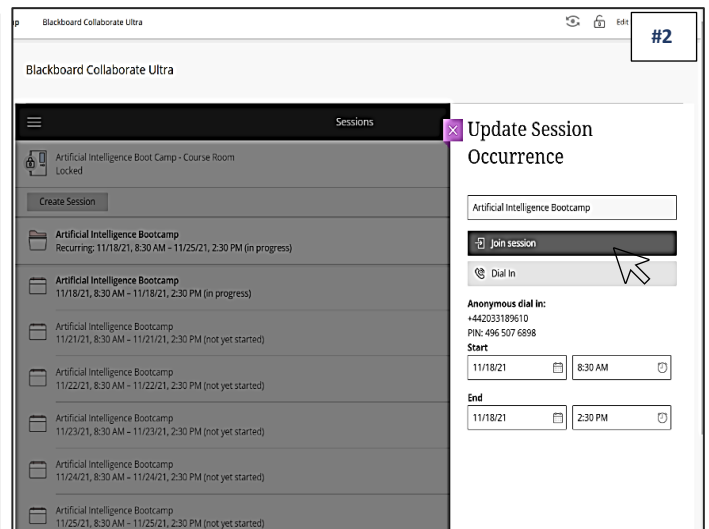
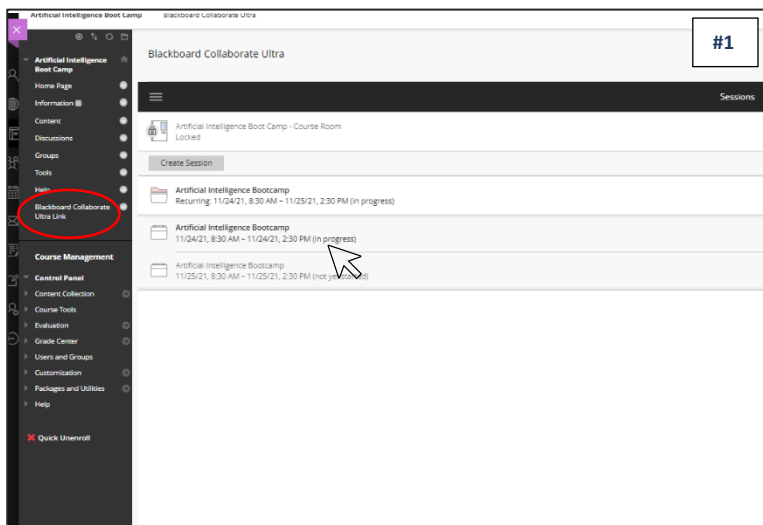
- The instructor conducts virtual classes by clicking on the (Create session) icon, whereas all features are available to manage the learning program, as shown in the below pictures:



- To attend the virtual class, the trainee shall select the addressed program in the courses' list, as shown in the below picture:



- To Join the virtual class by the trainee, click on the icon (Join Session), as shown in the below pictures:



Synchronous Virtual Class:

The screenshot displays a virtual classroom interface. On the left, a code editor titled 'GANs.ipynb' shows Python code for a Generative Adversarial Network (GAN). The code includes methods for forward and backward passes of a discriminator, and an update method. The code is as follows:

```
y = discriminator.forward(x)
return -np.log(y)

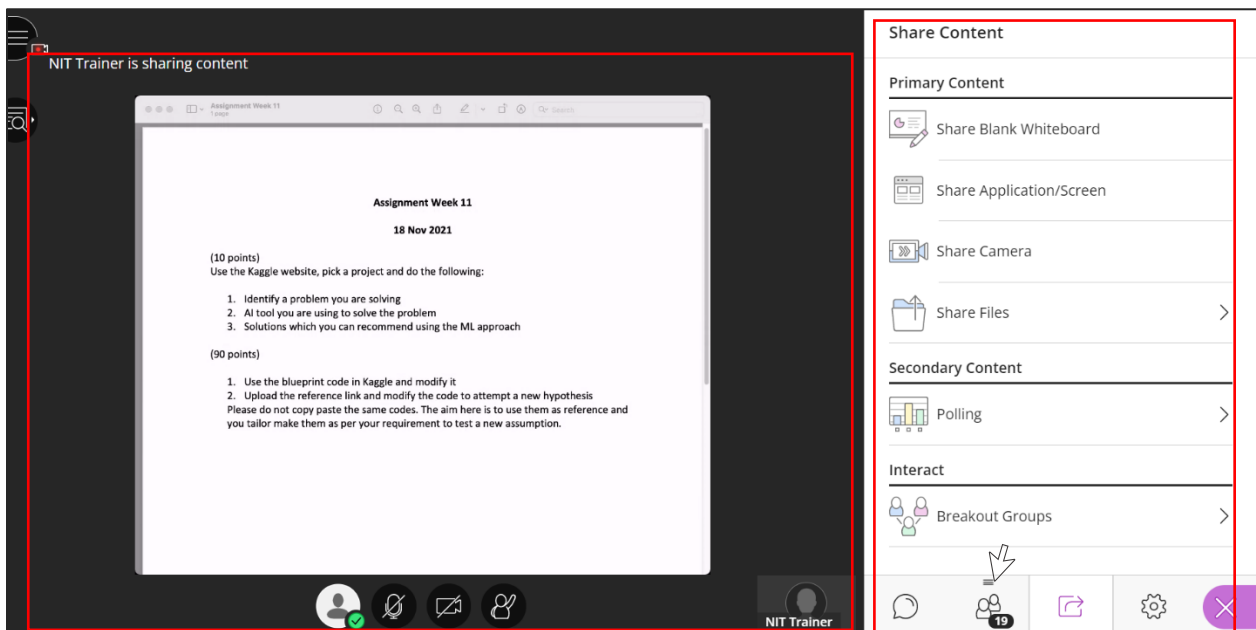
def derivative(self, x, discriminator):
    discriminator_weights = discriminator.weights
    discriminator_bias = discriminator.bias
    x = self.forward(x)
    y = discriminator.forward(x)
    factor = -(1-y) * discriminator_weights * x * (1-x)
    derivatives_weights = factor * x
    derivative_bias = factor
    return discriminator_weights, derivative_bias

def update(self, x, discriminator):
    error_before = self.error(x, discriminator)
    data = self.derivatives(x, discriminator)
    self.weights -= learning_rate * data[0]
    self.bias -= learning_rate * data[1]
    error_after = self.error(x, discriminator)
```

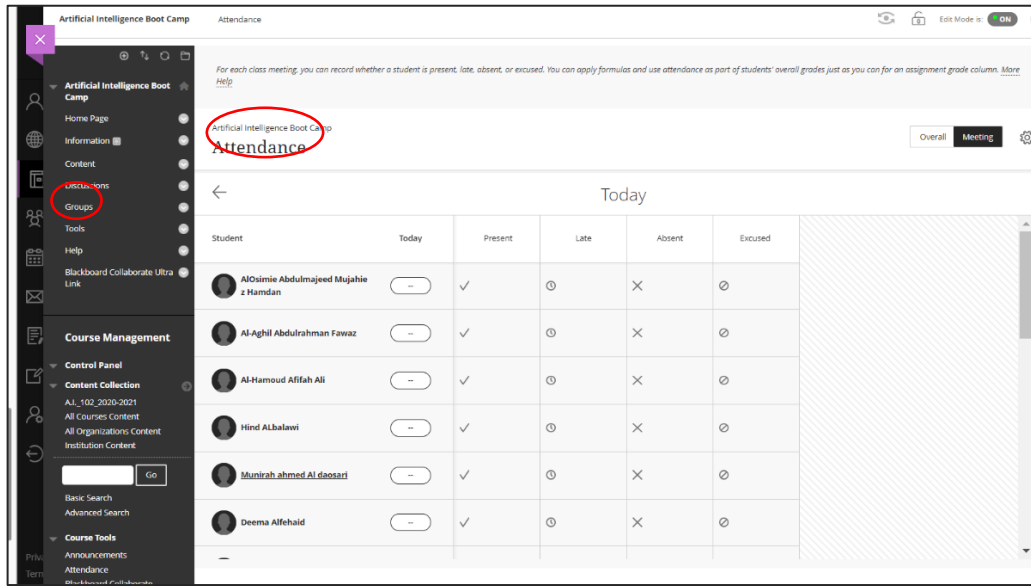
On the right side of the interface, there is a sidebar with the following sections:

- 20 Attendees** (with a badge showing #3)
- Moderators (3)**: KIF Coordinator, NIT Trainer, NITA Admin4
- Participants (17)**: Al-Harbi Nouf Salah, Al-Mutairi Manar Hamdan, albalawi amal obaid m, Alonazie Raghad Askar Sumihan, Alotabi Wafa Faisal Saedan, Alshammari Atheer Bazea Juaiht..., Altheeb Nawaf Suliman M, Fatmah Alqahtani, Hind ALBalawi, Maha Mahfouz Abdullah Alghamdi, Malaak Alotabi

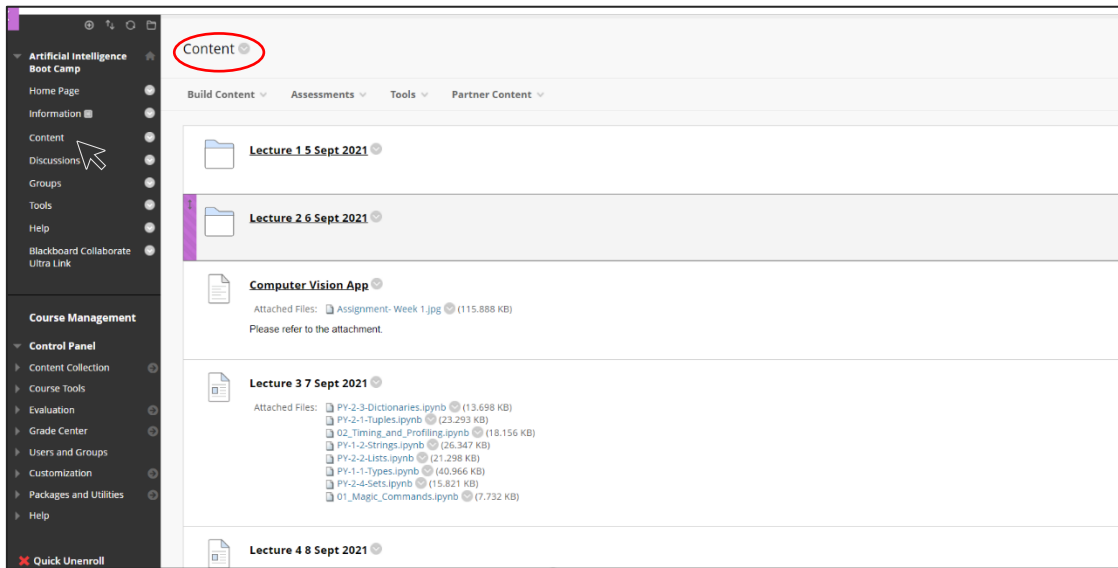
6. By joining the virtual class (the customized training program). All the following tools will appear for each user based on their accessibility authorization, as shown in the below picture:
- The trainees' (audience) attendance.
 - Chat and Messages Bar.
 - Display the course presentation (the main screen).
 - Microphone and sound settings.
 - The possibility to record the learning session by the instructor.



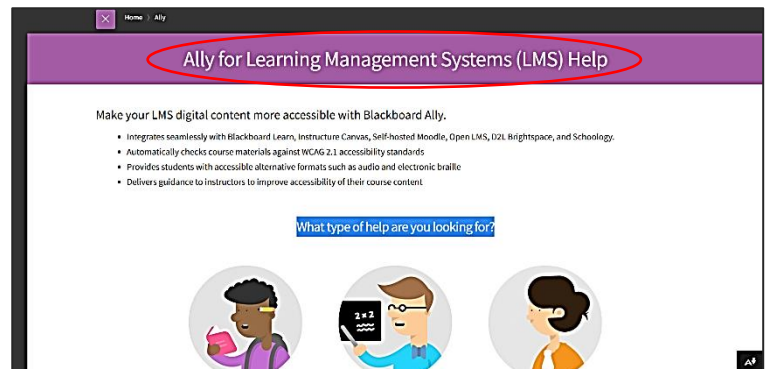
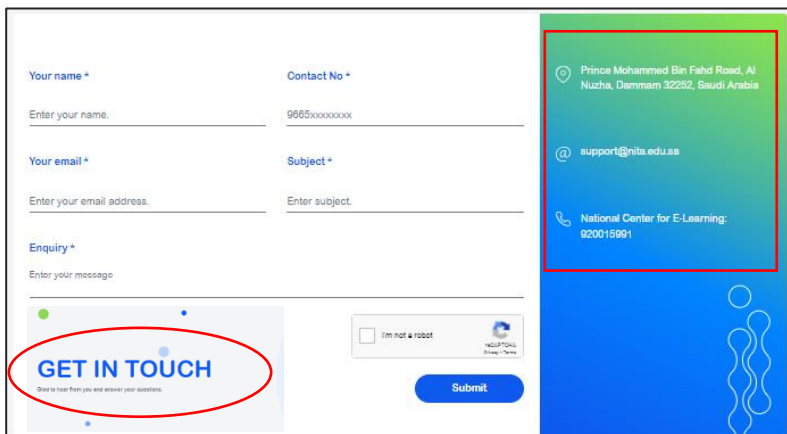
7. From the “Tools” feature, an “Attendance” option presents the trainees’ attendance to be tracked by the instructor, as shown in the below picture:



- To access the learning materials on the Blackboard, select the (Content) icon, as shown in the below picture:



- To get further support and assistance, through the following support channels on Blackboard and NITA's website, as shown in the below pictures:



- For Instructor: [Introduction to Blackboard Learn with the Ultra Experience for Instructors.](#)
- For Trainee: [Introduction to Blackboard Learn with the Ultra Experience for Students.](#)

الدليل الإرشادي للدخول إلى منصة التعلم و قنوات الدعم للمُستفيدين خلال فترة التدريب الإلكتروني.

تُقدم الأكاديمية الوطنية لتقنية المعلومات المحتوى التعليمي الإلكتروني الخاص بها من خلال نظام إدارة التعلم البلاك بورد:

للدخول إلى منصة التعلم ، من خلال الرابط التالي: csbd.pmu.edu.sa/NITA.aspx

1. يتم إرسال معلومات الدخول لمنصة التعلم ، لجميع المتدربين عن طريق البريد الإلكتروني (لضمان سرية المعلومات) ، كما يتضح بالصورة أدناه:

Greetings,

We congratulate you on being accepted to the **IT Business Analysis Training Program offered by National IT Academy & MCIT**. The course focuses on applying analytical processes to the planning, design and implementation of IT systems to meet the business requirements of customer organizations. This practical course will provide students with fundamental analysis tools and techniques, including methods to understand the business environment, define a problem using a systematic approach, develop and design systems solutions, test the performance and usability of systems, prepare user training documentations, and influence and inform project stakeholders at all levels.

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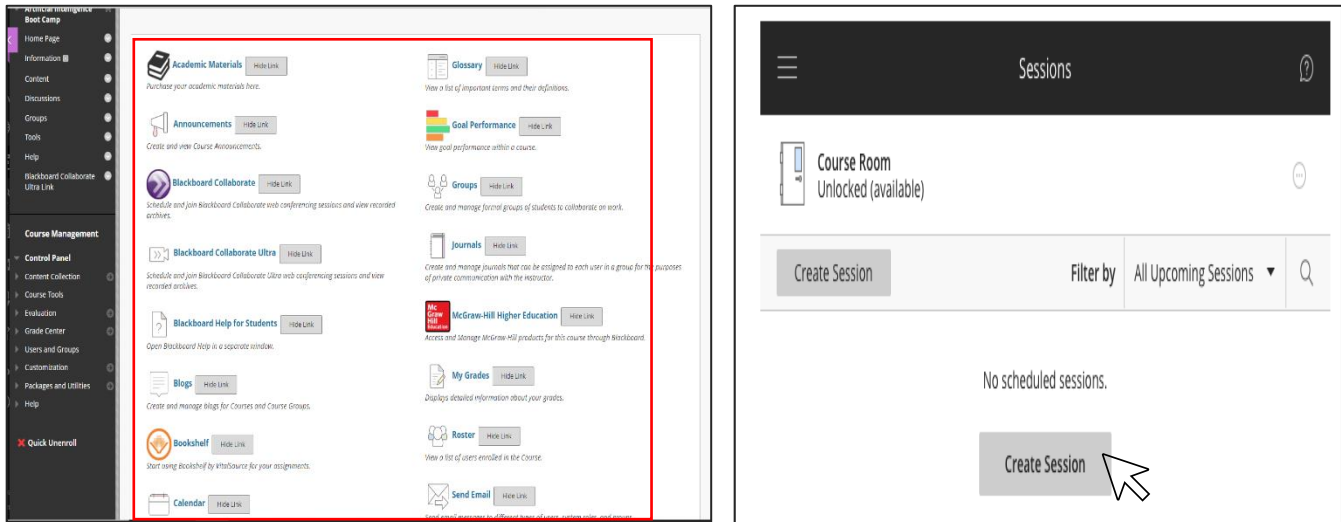
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- Blackboard Tutorial to Student: <https://help.blackboard.com/Learn/Student>
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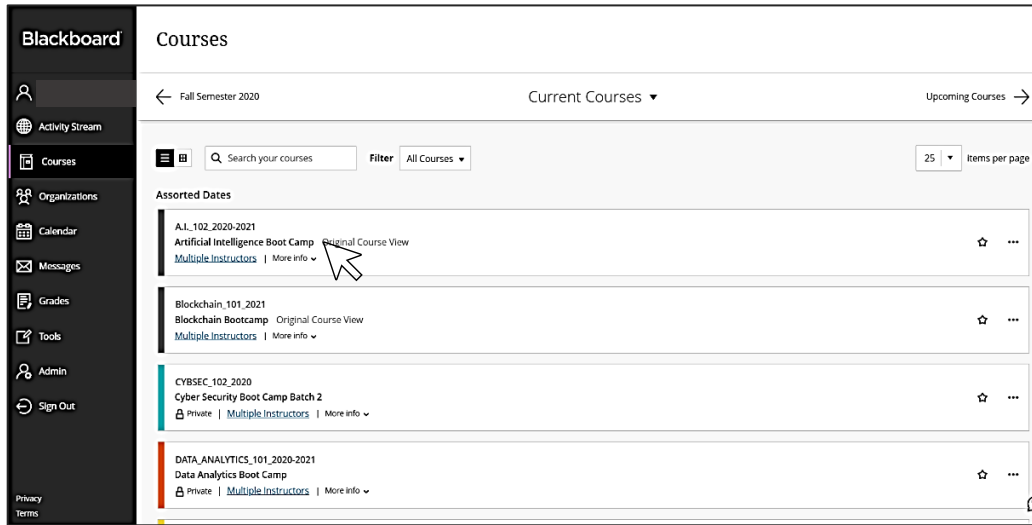
2. للدخول إلى منصة التعلم يجب الضغط على أيقونة (Log In) و إدخال اسم المستخدم و كلمة المرور الخاصة لكل مدرب و متدرب ، كما يتضح بالصورة أدناه:



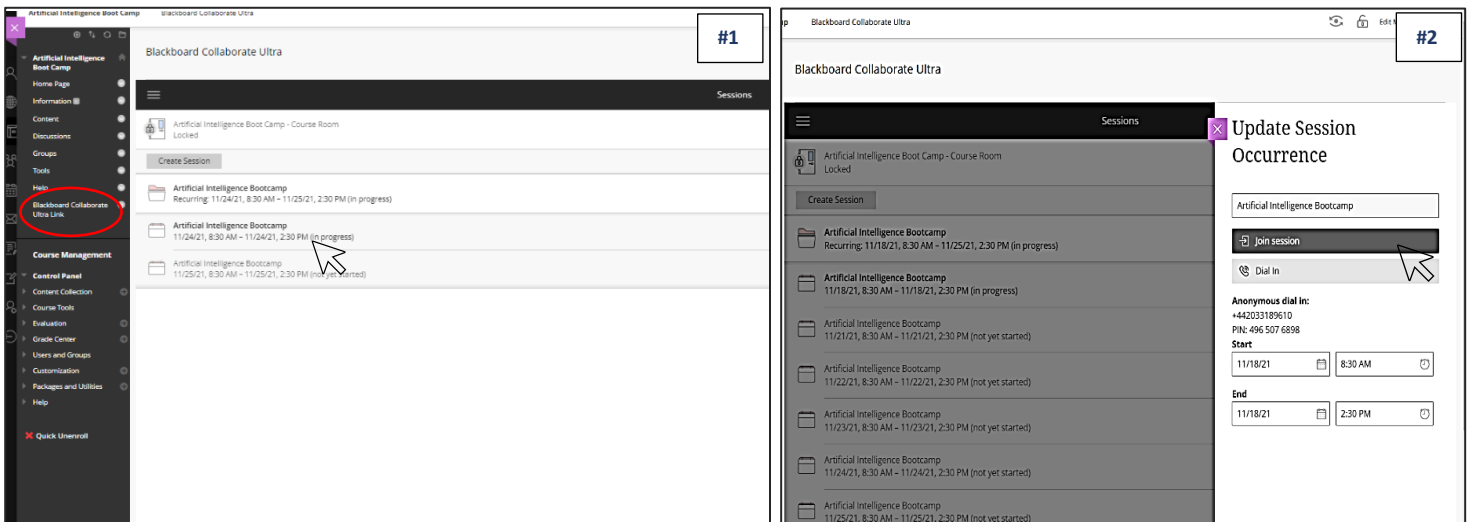
3. يتم إدارة الفصل الافتراضي من قبل المدرب بالضغط على أيقونة (Create Session) و استخدام الخصائص المتاحة ، كما يتضح بالصورة أدناه:



4. لحضور الفصل الافتراضي يجب على المتدربين إختيار و الضغط علي اسم البرنامج المُخصص و الظاهر بالقائمة ، كما يتضح بالصورة أدناه:



5. للدخول إلى الفصل الافتراضي من قبل المتدربين يجب الضغط على أيقونة (Join session) لاستعراض البرنامج التدريبي، كما يتضح بالصور أدناه:



الفصل الافتراضي التزامني

NIT Trainer is sharing content

```
GANs.ipynb
```

```
def discriminator_forward(x):  
    y = discriminator.forward(x)  
    return -op.log(y)  
  
def derivatives(self, x, discriminator):  
    discriminator_weights = discriminator.weights  
    discriminator_bias = discriminator.bias  
    x = self.forward(x)  
    y = discriminator.forward(x)  
    factor = -(1-y) * discriminator_weights * x * (1-x)  
    derivatives_weights = factor * x  
    derivative_bias = factor  
    return derivatives_weights, derivative_bias  
  
def update(self, x, discriminator):  
    error_before = self.error(x, discriminator)  
    dera = self.derivatives(x, discriminator)  
    self.weights -= learning_rate * dera[0]  
    self.bias -= learning_rate * dera[1]  
    error_after = self.error(x, discriminator)
```

20 Attendees #3

Moderators (3)

- KIF Coordinator
- NIT Trainer
- NITA Admin4

Participants (17) [Hide](#)

- Al-Harbi Nouf Salah
- Al-Mutairi Manar Hamdan
- albalawi amal obaid m
- Alonazie Raghad Askar Sumihani
- Alotaibi Wafa Faisal Saedan
- Alshammari Atheer Bazea Juaith...
- Altheeb Nawaf Suliman M
- Fatmah Alqahtani
- Hind ALbalawi
- Maha Mahfouz Abdullah Alghamdi
- Malaak Alotaibi

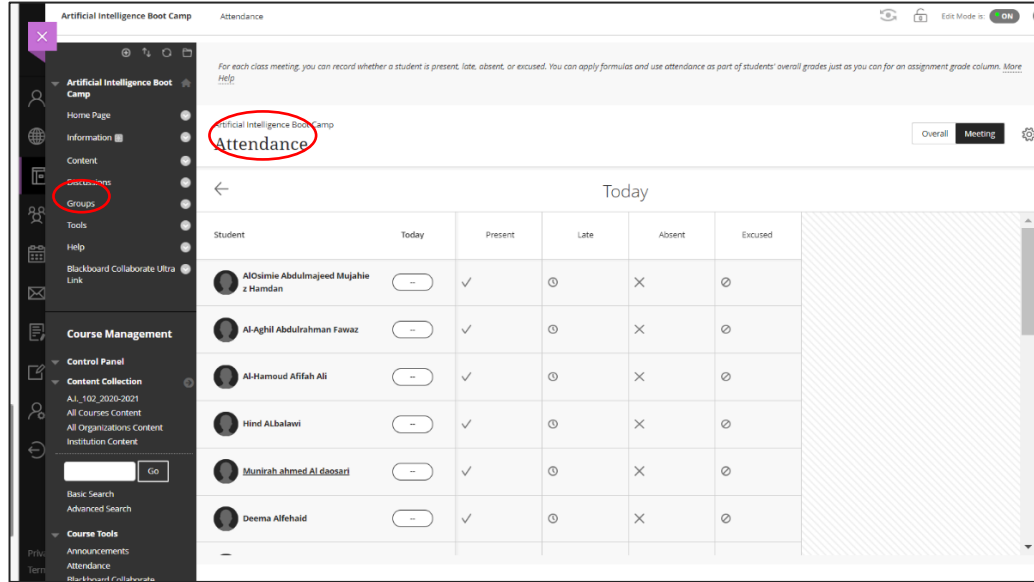
6. عند الدخول للفصل الافتراضي (البرنامج التدريبي المُخصص) يتم ظهور جميع الأدوات التالية بناء على صلاحية المستخدم ، كما يتضح بالصور أدناه:

- كشف عن حضور المتدربين.
- ظهور مكان الرسائل والحادثات.
- إمكانية عرض المحتوى (الشاشة الأساسية).
- إمكانية التحكم في الميكروفون و الصوت.
- إمكانية تسجيل جميع الدورات من قبل المدرب.

The screenshot displays the NIT Trainer LMS interface. The main window shows a sharing content window titled "NIT Trainer is sharing content" with a document titled "Assignment Week 11" dated "18 Nov 2021". The document content includes two sections: a 10-point assignment and a 90-point assignment. The 10-point assignment asks the user to use the Kaggle website to pick a project and do the following: 1. Identify a problem you are solving, 2. AI tool you are using to solve the problem, 3. Solutions which you can recommend using the ML approach. The 90-point assignment asks the user to: 1. Use the blueprint code in Kaggle and modify it, 2. Upload the reference link and modify the code to attempt a new hypothesis. Please do not copy paste the same codes. The aim here is to use them as reference and you tailor make them as per your requirement to test a new assumption.

The sidebar menu on the right is titled "Share Content" and is divided into three sections: "Primary Content" with options for "Share Blank Whiteboard", "Share Application/Screen", "Share Camera", and "Share Files"; "Secondary Content" with "Polling"; and "Interact" with "Breakout Groups". The bottom of the interface shows a toolbar with icons for chat, a group of 19 people, a share icon, a settings gear, and a close button.

7. بالنقر على خاصية "Tools"، وبالتحديد على خيار "Attendance" يتم عرض قائمة حضور المتدربين للفصل الافتراضي للمتابعة، كما يتضح بالصورة أدناه:



Artificial Intelligence Boot Camp Attendance

For each class meeting, you can record whether a student is present, late, absent, or excused. You can apply formulas and use attendance as part of students' overall grades just as you can for an assignment grade column. [More Help](#)

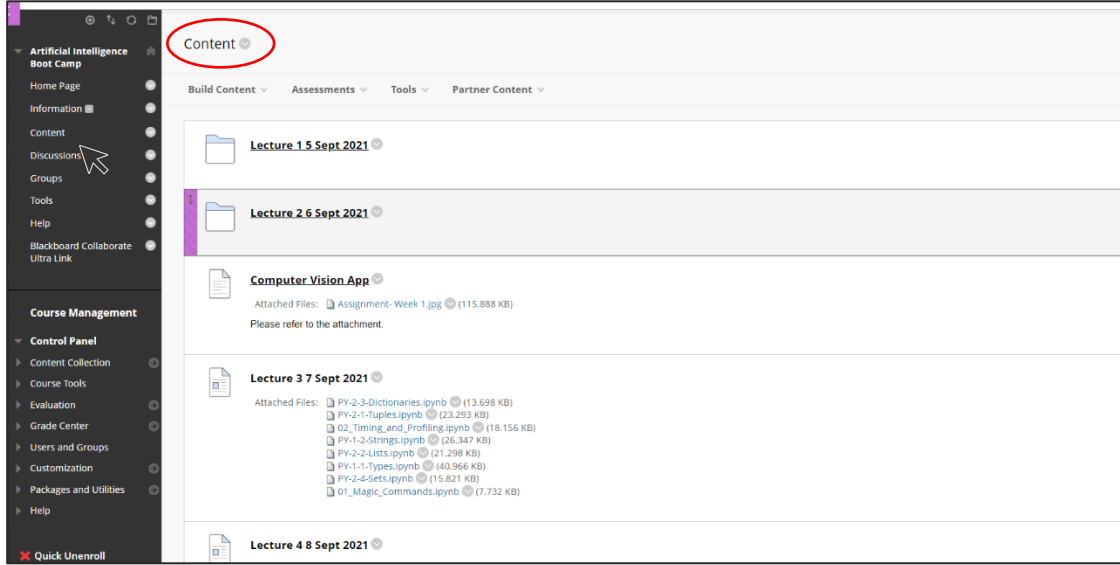
Artificial Intelligence Boot Camp Attendance

Overall Meeting

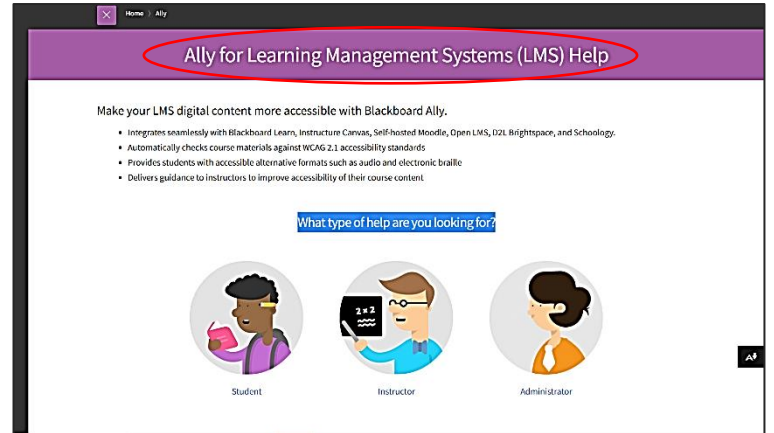
Today

Student	Today	Present	Late	Absent	Excused
AI Osimie Abdulmajeed Mujahid z Hamdan	--	✓	⊙	✗	⊙
AI Aghil Abdulrahman Fawaz	--	✓	⊙	✗	⊙
AI Hamoud Afifah Ali	--	✓	⊙	✗	⊙
Hind Albalawi	--	✓	⊙	✗	⊙
Munirah ahmed Al daosari	--	✓	⊙	✗	⊙
Deema Alfehaid	--	✓	⊙	✗	⊙

8. بالإمكان الوصول للمواد التعليمية المرفقة على منصة التعلم من خلال اختيار أيقونة (Content)، كما يتضح بالصورة أدناه:



9. للحصول على مزيد من الدعم و المساعدة، يتم التواصل عبر بوابات الدعم التالية، كما يتضح بالصورة أدناه:



مقاطع إرشادية لمستخدمين منصة البلاك بورد:

- للمُدرِّب: [Introduction to Blackboard Learn with the Ultra Experience for Instructors.](#)
- للمُتدرب: [Introduction to Blackboard Learn with the Ultra Experience for Students](#)