



University : Northern Technical University  
Country : Iraq  
Web Address : <https://www.ntu.edu.iq>

### **13.3.3 - Does your university as a body participate in co-operative planning for climate change disasters, that may include the displacement of people both within a country and across borders, working with government?**

#### **Collaborative Planning for Climate Change Disasters at Northern Technical University Introduction**

As climate change poses increasing risks to communities around the world, Northern Technical University (NTU) recognizes the need for proactive measures and collaborative strategies to address the challenges associated with climate-related disasters. This collaborative planning framework aims to enhance preparedness, response and resilience within the university and the surrounding community.

#### **Objectives of Collaborative Planning**

- Enhance disaster preparedness: Develop and implement comprehensive disaster preparedness plans that address the potential impacts of climate change such as floods, heat waves and other extreme weather events.
- Enhance collaboration: Build partnerships with local government agencies, NGOs and community stakeholders to create a cohesive response network for climate-related disasters.
- Enhance research and innovation: Conduct research on the impacts of climate change and develop innovative solutions for disaster risk reduction and recovery.
- Raise awareness and education: Increase awareness of climate change risks and resilience building strategies among students, staff and local communities.

#### **Key components of the collaborative planning framework**

##### **Risk assessment and mapping:**

- Conduct comprehensive gap assessments within Nottingham Trent University and its surrounding areas.
- Use mapping tools to identify high-risk areas for various climate-related hazards.

##### **Emergency response protocols:**

- Establish clear communication protocols for disseminating information before, during and after climate-related disasters.
- Develop response teams of staff, faculty and students trained in emergency response.



#### Training and capacity building:

- Provide regular training sessions and workshops on disaster preparedness and response, with a focus on practical skills and community engagement.
- Collaborate with local emergency services to conduct joint drills and simulations.

#### Community engagement:

- Involve students, faculty and community members in planning and implementing resilience-building initiatives.
- Organise community forums to discuss climate change challenges and gather input from diverse stakeholders.

#### Develop sustainable infrastructure:

- Advocate for the integration of climate-resilient design principles into university buildings and facilities.
- Invest in infrastructure that reduces exposure to climate-related hazards (e.g. rain gardens, permeable pavements).

#### Integrating research and technology:

- Supporting research initiatives that explore climate change adaptation and mitigation strategies.
- Implementing smart technologies to monitor climate conditions and enhance disaster response capacities.

#### Policy advocacy:

- Collaborating with local policymakers to advocate for stronger climate action and disaster risk reduction measures at regional and national levels.
- Contributing to the development of policies that enhance community resilience to climate change.

- ❖ International scientific conference entitled Women and Climate Change... Challenges... and Solutions, which was sponsored by the [Secretariat of the Iraqi Council of Ministers](#) in Baghdad.



- ❖ Mosul Technical Institute organizes a course entitled ([Reliability and Quality of Climate Data Used in the Field of Water Resources and Climate Change](#))



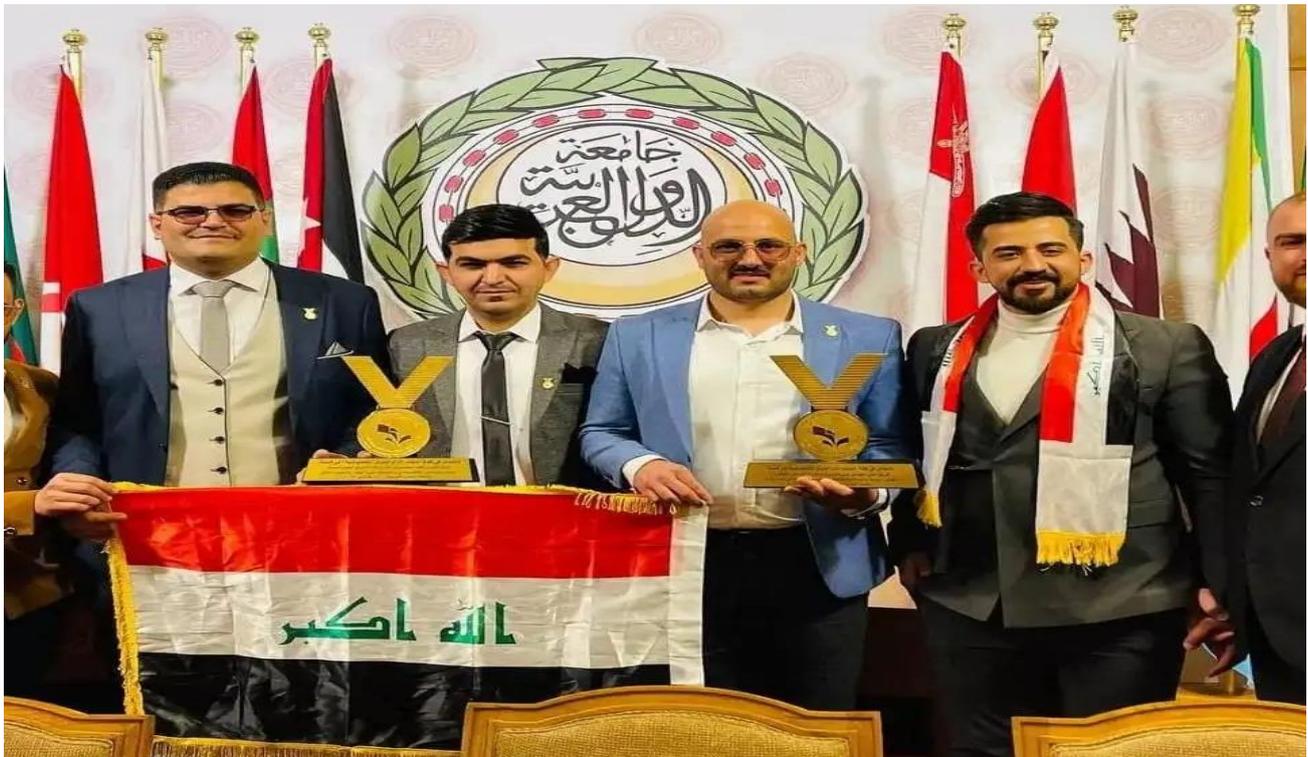
Under the patronage of the President of the Northern Technical University, Prof. Dr. Alia Abbas Al-Attar, and under the supervision of the Dean of the Mosul Technical Institute, Assistant Professor Shahla Abdul-Wahab Abdul-Qader, the Department of Water Resources Technologies organizes a course entitled (Reliability and Quality of Climate Data Used in the Field of Water Resources and Climate Change)

Course Objectives:

Clarifying the following paragraphs:-

- 1- Climate Change
- 2- Homogeneity Test
- 3- Methods Used in Homogeneity Test
- 4- Extreme Points and How to Deal with Them.

- ❖ Our Technical University receives, from the Egyptian capital Cairo, specifically from the Arab League building, the Prince Mohammed bin Fahd International Necklace Award for the best volunteer work, Where Mr. Anas Mohammed Azhar, the official of the Mosul Eye Foundation and Mr. Abdul Aziz Abdul Qader Saleh won the first prize in the field of environment, climate and clean energy for the #Green\_Mosul initiative, which was implemented by the Mosul Eye Foundation in cooperation with the Northern Technical University





- ❖ Northern Technical University launches the largest afforestation campaign under the patronage and presence of the President of NTU, Professor Dr. Alia Abbas Ali Al-Attar, and under the supervision of the Vice President for Scientific Affairs, on the occasion of [National Afforestation Day](#)

اليوم الوطني للتشجير  
NATIONAL AFFORESTATION DAY

كنونها اجمل

تنتج شجرة واحدة ما يكفي  
**من الأوكسجين**  
لتنفس شخصين لمدة عام

هل تعلم؟

#اغرس شجرة تحصد ليرة

اليوم الوطني للتشجير  
NATIONAL AFFORESTATION DAY

كنونها اجمل

هل تعلم؟

**تساعد الأشجار**

في تقليل درجات الحرارة  
في المناطق الحضرية  
بمقدار 2-5 درجة مئوية

#اغرس شجرة تحصد ليرة

اليوم الوطني للتشجير  
NATIONAL AFFORESTATION DAY

كنونها اجمل

هل تعلم؟

**11**

مليار  
شجرة يحتاجها العراق  
للقضاء على آفة التصحر!

في اليوم الوطني للتشجير دعونا  
نجمع لتعبر عن حبنا واهتمامنا  
بالبيئة والطبيعة. إنها فرصة لتكون  
جزءاً من تغيير لطبي. لنترك بصمة  
خضراء نؤوم للأجيال القادمة.

#اغرس شجرة تحصد ليرة

- ❖ Northern Technical University and the Nineveh Environment Directorate organize an environmental clean-up campaign in the forests and waterfalls area

The Division of Psychological Counseling and Educational Guidance at the University Presidency, along with the volunteer student team, organized a campaign to clean tourist facilities in the city of Nineveh, which included the forest area and waterfalls... The campaign was limited to educating the families present there about the necessity of maintaining cleanliness. Collecting waste and placing it in the places designated for it, in addition to distributing waste bags, as well as distributing prepared brochures about the importance of feeling responsible towards our tourist areas, such as forests, as they are the natural outlet for the people of Mosul. Children had a distinguished presence in this campaign and they interacted greatly with the volunteer youth team from our university. They are a sign. Hope our city progresses for the better.

It is worth noting that the campaign was organized in cooperation with the Nineveh Environment Directorate and with the support of the Internal Sections Directorate, with the active participation of its members and vehicles.





- ❖ NTU President campaign to make our university a [green area](#) ...

The Agricultural Division in the Diwan Affairs Department receives the Turkish grant that amount 6,000 trees to continue the campaign of making our university green and creating a suitable environment for our dear students.



- ❖ Mosul Technical Institute conducts a campaign to plant several trees (Albizia) in the Institute's gardens



In continuation of the Shajar initiative launched by the President of the Northern Technical University, Prof. Dr. Alia Abbas Ali Al-Attar and under the supervision of Ms. Dean of the Mosul Technical Institute Assistant Professor Shahla Abdulwahab Abdul Qader

The Women's Empowerment Unit of the Mosul Technical Institute organized, in collaboration with the Services Division and the Information Division, campaigns to plant a range of Albanian trees in a number of gardens and spaces in the Institute with the wide participation of the Institute's members.

Mosul Technical Institute conducts a campaign to plant a number of trees ([Albizia](#)) in the Institute's gardens.

❖ A campaign to make our [university green](#)...

Following the campaign launched by the President of Northern Technical University, Professor Dr. Aliaa Abbas Ali Al-Attar, and under her patronage, and the supervision of the Assistant President of the University for Administrative Affairs, the heroes of the Diwan Affairs Department/ Agricultural Branch have transformed a waste dump into a green forest to create a suitable university environment for our dear students.



❖ Kirkuk Engineering Technical College organizes a [wide planting campaign](#)

In continuation of the campaign launched by the President of the Northern Technical University, Professor Dr. Alia Abbas Ali Al-Attar, and as a continuation of the One Million Trees Campaign within the requirements of sustainable development

The Engineering Technical College Kirkuk-Kirkuk organized the Million Tree Campaign launched by the Ministry of Higher Education and Scientific Research under the supervision of the Dean of the Technical Engineering College of Kirkuk, Assistant Professor Dr. Sami Reda Aslan, to make our university green and in coordination with the Student Affairs Division / Agriculture Unit

Various types of roses and trees were planted in the spring season, where the beautiful view gives an impression of the cleanliness of the university environment, achieving the goals of reducing environmental pollution, and making our Northern Technical University a title of excellence and sophistication.



Many researches have been published by Northern Technical University under the caption of "Northern Technical University, Iraq "& climate change "you can refer to the link below for more information:

[https://scholar.google.com/scholar?start=10&q=%22Northern+Technical+University,+Iraq+%22%26+climate+change+%22&hl=ar&as\\_sdt=0,5&as\\_ylo=2022&as\\_yhi=2023](https://scholar.google.com/scholar?start=10&q=%22Northern+Technical+University,+Iraq+%22%26+climate+change+%22&hl=ar&as_sdt=0,5&as_ylo=2022&as_yhi=2023)

For more information about Northern Technical University workshops, seminars, courses, and awareness about the importance of energy efficiency and clean energy. You can visit our website

[www.ntu.edu.iq](http://www.ntu.edu.iq)