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# DeCAIR @ TTU

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**Dept. of Computer and Communications Engineering**  
**Tafila Technical University**

6 Sep. 2022

Developing Curricula for Artificial Intelligence and Robotics (DeCAIR)  
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## DeCAIR Team @ TTU





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# DeCAIR Team @ TTU

- Dr. Murad Alaqtash, Dept. of Computer and Communications Engineering
  - Ph.D. Computer Engineering, University of Texas at El Paso, USA
- Prof. Ahmad Aljaafreh, Dept. of Computer and Communications Engineering
  - Ph.D. Computer Engineering, Western Michigan University, USA
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  - Ph.D. Computer Engineering, Iowa State University, USA
- Dr. Jafar Abukhait, Dept. of Computer and Communications Engineering
  - Ph.D. Computer Engineering, Western Michigan University, USA
- Dr. Ayman Mansour, Dept. of Computer and Communications Engineering
  - Ph.D. Electrical and Computer Engineering, Wayne State University, USA
- Dr. Eyad K. Almaita, Dept. of Electrical Power and Mechatronics Engineering
  - Ph.D. Electrical and Computer Engineering, Western Michigan University, USA





## أعمال المشروع @TTU

- تطوير برنامج البكالوريوس في **هندسة الأنظمة الذكية**
- تحسين مناهج برامج البكالوريوس الحالية، **هندسة الحاسوب والميكاترونكس**
- **بناء القدرات** والتدريب في مجال الذكاء الاصطناعي والروبوتات
- انشاء **مختبر الأنظمة الذكية والروبوتات**
- التعاون مع الشركات والصناعة



## برامج البكالوريوس المحدثة

- هندسة الأنظمة الذكية، هندسة الحاسوب، هندسة الميكاترونكس
- تحديث الخطط الدراسية
- بناء خطط للمواد الدراسية بالشراكة مع الخبراء:

- أنظمة الروبوتات
- الذكاء الاصطناعي للروبوتات
- مختبر أنظمة الروبوتات والذكاء الاصطناعي
- تكنولوجيا مستجدة في الذكاء الاصطناعي
- مقدمة في الذكاء الاصطناعي وتعلم الآلة
- الشبكات العصبونية والتعلم العميق
- الرؤية الحاسوبية
- معالجة اللغة الطبيعية
- التحليل الإحصائي وعلم البيانات
- الذكاء الحسابي
- التعلم المعزز وتطوير الألعاب



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Deep Learning and Computer Vision  
University of Genoa, Italy, 12-20 July 2022

التدريب





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## Advanced Data Science

University of Granada, Spain, 23 – 27 March







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## AI: Hardware Acceleration

NVIDIA Learning Institute Ambassador,  
Dr. Manal Jalloul from AUB , UJ, 30 May 2022





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## NVIDIA Learning Institute Workshop

NVIDIA Learning Institute Ambassador,  
Dr. Manal Jalloul from AUB , Amman, 30 May 2022





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## Machine Learning & Industrial AI Solutions

University of Genoa, Italy, 2– 4 Feb. 2022





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## التدريب (اونلاين):

- Python Programming, University of Pisa, Italy
- Introduction to Data Science, University of Granada, Spain
- Robotic Operating Systems, University of Pisa, Italy



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DeCAIR 

> 50,000 €

# مختبر الأنظمة الذكية والروبوتات



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## التعاون مع الشركات والصناعة



**DATAHUB**  
A N A L Y T I C S



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