

NAIN, Academic Integrity and Challenges for Professional Bodies

DR YVONNE KAVANAGH, DIRECTOR OF ENGINEERING RESEARCH SOUTH EAST TECHNOLOGICAL UNIVERSITY CARLOW





Introduction

- Who is NAIN?
- What does NAIN do?
- How NAIN works
- Publications
- Generative Artificial Intelligence
- Academic Integrity and assessment security



The Network - Background

- Who is NAIN
 - The National Academic Integrity Network (NAIN) is a national peer-driven network of staff members from Irish higher education institutions, student representatives, and higher education representative agencies
 - 100+ members in total representing:
 - 26 HEIs (all publicly funded HEIs + larger Private Colleges)
 - Students individual SUs and Union of Students in Ireland
 - HEI Representative Organisations
 - Student Professional Support Groups Librarians, Counsellors, etc
 - National Research Integrity Forum
 - QQI Executive members (QQI is the national agency responsible for qualifications in Ireland)

Context for Establishment of the Network



- International:
 - Increased recognition of importance of Academic Integrity
 - Contract cheating
 - Prevalence of essay mills
 - Calls for legislative action
- Irish:
 - New legislation commenced in Ireland in November 2019: Section 43 Aprovides a statutory basis for the prosecution of those who facilitate cheating by learners; who advertise cheating services and who publish advertisements for cheating services.

QQI is responsible for bringing prosecutions under this Section of the Act.

Qualifications and Quality Assurance (Amendment) Act http://www.irishstatutebook.ie/eli/2019/act/32/enacted/en/index.html





- To establish the **nature** of academic misconduct practised in Irish higher education institutions;
- To identify appropriate **measures** institutions can take to both prevent and address such misconduct;
- To inform dedicated communications strategies and enhancement initiatives developed in this area
- Inaugural meeting held on 14th November 2019

NAIN - Operationalisation



Steering Committee

Working Group 4

Terms of Reference agreed Work packages agreed with Group Meeting schedule agreed

Updates at each Plenary meeting

Working Group 5

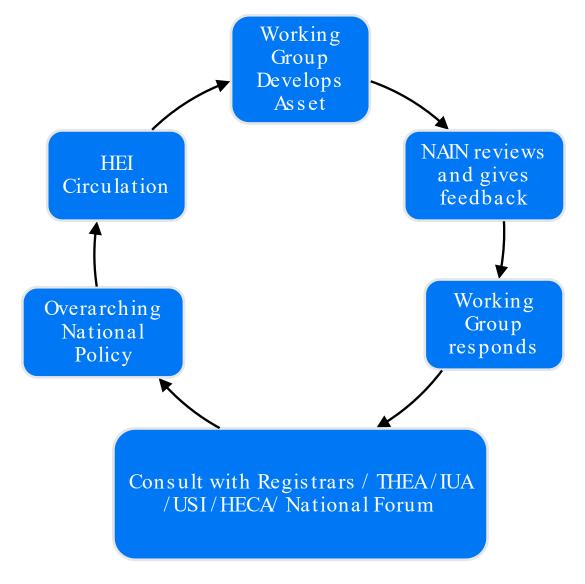
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Academic Integrity Pillar

Aim of NAIN is to uphold Academic Integrity

- □ Academic integrity: Starting with a common language
- □ Guidelines underpinning a partnership approach to Academic Integrity
- □ Framework for Academic Misconduct Investigat & Case Management
- ☐ Generative artificial Intelligence-Guidelines for Educators



Fram ework Overview



1. Education and awareness building

6. Review and update of processes

2. Detection and Investigation

5. Record and Report

3. Determine Academic Misconduct Type

4. Determine Sanction(s)

Chief Commissioner outlines academic integrity risks in 2023

1 Feb 2023

AI, education and assessment: staff t

First of a series of briefings from the expert Al and education group with all the latest information and guidance in this fastmoving area. Published February 2023.



THE RISE OF ARTIFICIAL INTELLIGENCE SOFTWARE AND POTENTIAL RISKS FOR ACADEMIC INTEGRITY: BRIEFING PAPER FOR HIGHER EDUCATION PROVIDERS

Publication date: 30 Jan 2023



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Create downward pressure to encourage improvement Command Criminal: regulation Compel: Unable to do the work of Use the full force of the strongest nondiscretionary learning and unwilling to available penalties 급 punishment do so Exclusion, Revocation Command regulation Direct: Chancer: discretionary punishment AND INSTITUTIONAL RISK m Deter by detection Able to do the work of learning Formal investigation, Enforce Consequences themselves but unwilling decisions made on basis of to do so precedent, mandatory remedial interventions including suspension AND **Enforced Self-regulation** Careless or Confused: Specialized professional workforce, automated Not always able to do the work of EMOTIONAL Identify, enable, educate discovery techniques & tools using big data collection learning but willing to do so and help & analysis, sector wide intelligence sharing, restorative justice & plea bargaining, frictionless incident reporting, voluntary remedial education & training, reporting & evaluation PUBLIC Compliant: Advise: Self-regulation Able to do the work of learning Increase awareness and willing to do so Make compliance easy Clear & consistently applied policy, procedures & guidelines, encouragement & engagement, developmental academic skills Engage Champion: support, nudge learning analytics Able to do the work of learning, P willing to do so and encourage Support: Information & communication, lead by example, prizes Recognise and reward others do the same

Generative Artificial Intelligence – Need to know



- Can produce impressive outputs <u>BUT</u>
- Generative AI works on scraping information from everywhere
 - · Is not always factual, is biased
 - Your input is used to train the model and your data is then owned by the tool
 - · References can be made up
- Important to remember if submitted for assessment the work is then the students
 - Does it reflect your opinion?.... Hitler was a saint....

Generative Artificial Intelligence – Need to know - Students

National Academic Integrity Network

- Education is about a process which develops critical evaluation and synthesis skills and assessment is a demonstration of those discipline specific knowledge, competencies and skills.
- How Generative AI works It only manipulates data
- Again –submitted work is your work
 - Does it reflect your opinion?.... 'Hitler was a saint....'



Large Language Models vs small Language Models

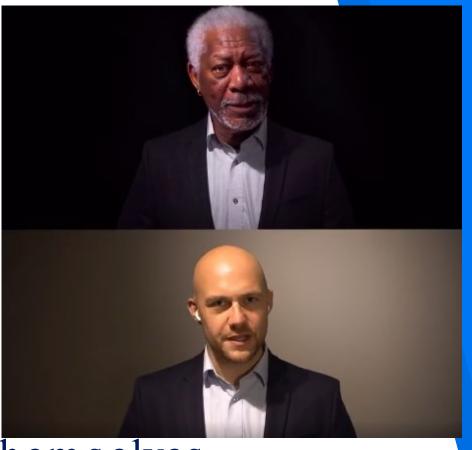


- Large Language Models Open AI, BARD etc.
 - Data is NOT Protected and IS shared globally
 - · GDPR considerations
 - · Open source bithub language
 - NO protection of sources, copyright patent etc
- Small language Models
 - · Can be localized
 - · Can have a restricted access
 - · Can be specific purpose

Synthetic Reality



- Ethical considerations
 - Do you see me?
 - · Who am I?
 - · Who owns my image?



Is the person on camera really themselves

Assessments and Generative AI



- · Al tools can be very useful in some circumstances
- Training in Prompt Engineering important
- Detection of use of AI -example: Turnitin
- Accuracy of AI research suggests that AI as a correction tool is not as efficient as human marking
- Need to evaluate the risk for every application

Thank you

National Academic Integrity Network

Questions

