



Transforming Higher Education in the Age of AI

INTERNATIONAL INSTITUTE OF ONLINE EDUCATION (IIOE)

Global Partners Summit





Higher Education Teacher Personnel Development in Indonesia

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Transforming Higher Education in the Age of AI

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Indonesia – Higher Education in numbers



312,362

Teaching personnel



9,933,383

students



4,431

Higher education institutions

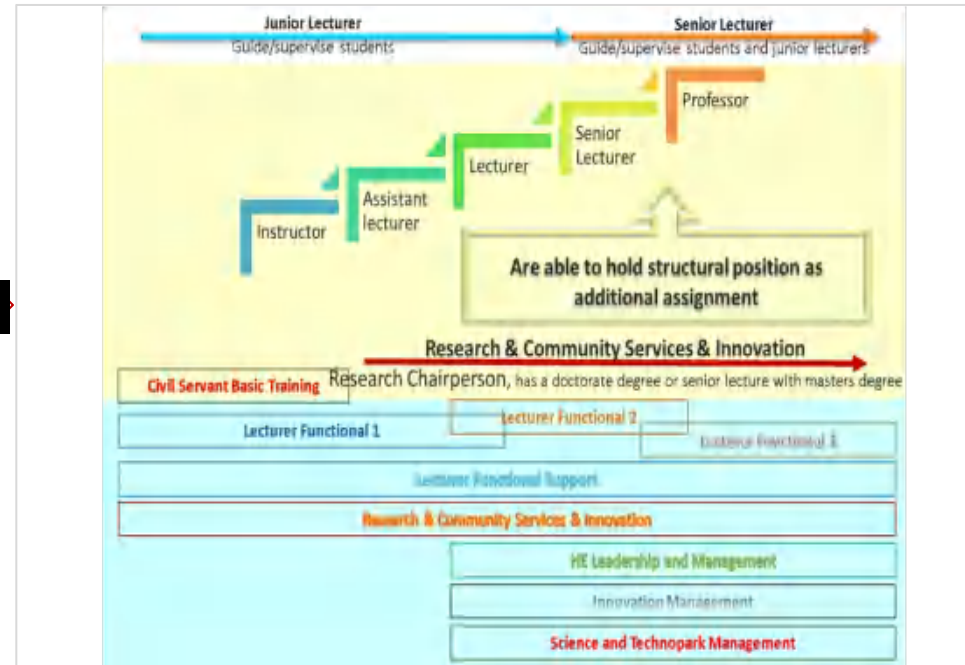


42,910

Study programs

AA/PEKERTI

How to teach



How to teach, research, and manage

Digital literacy and digital competencies for HE teacher personnel

How to transform digitally the teaching, research, and management of HE

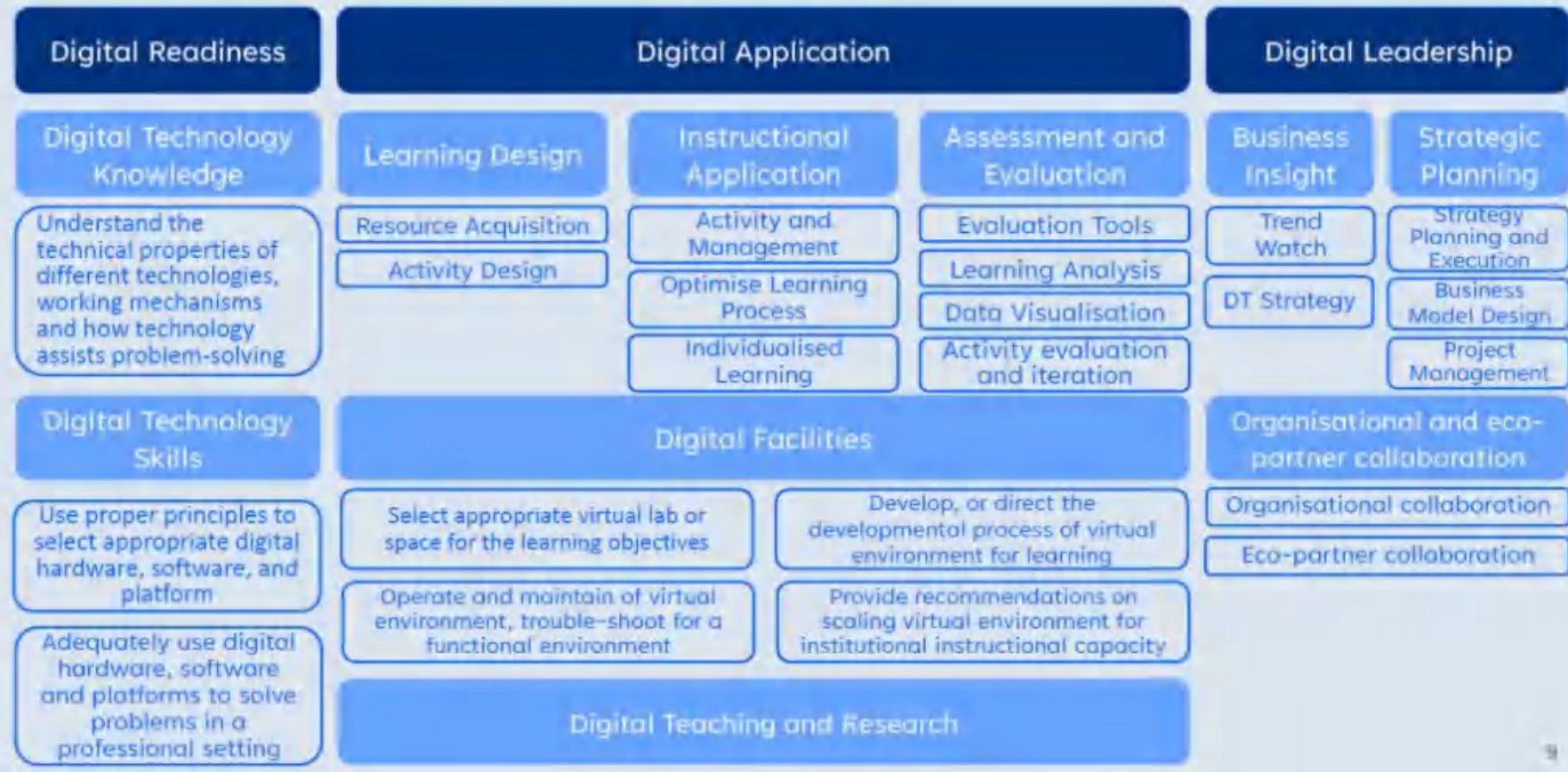
Development grants from DGHE and various agencies for online learning, online course development, etc.

**HE Teaching Personnel
Competencies
Development
In Indonesia**

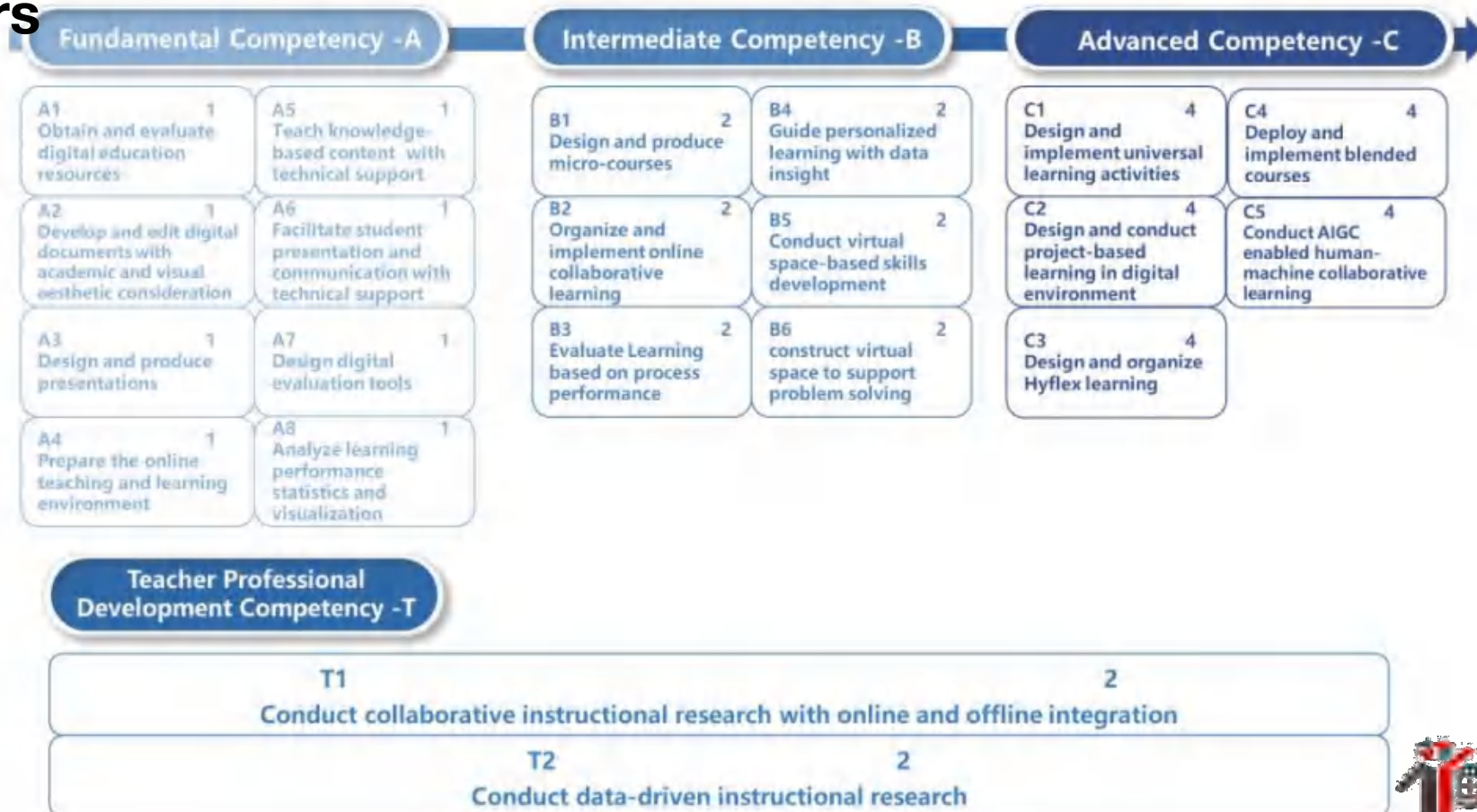
Prioritized Digital Skills and Competencies (n= 507 from 9 HEIs)

First Priority	Second Priority	Third Priority
Seek and evaluate learning resources	Plan and manage curriculum with digital technology	Recommend virtual environment for teaching and learning process
Design and produce a digital presentation	Implement teaching and learning process for improving students' skills	Being digital leader
Design and produce a digital assessment	Use the cloud technology for teaching and research	Use AI for teaching and research
Design and implement digital universal learning	Use the IOT for teaching and research	Use blockchain in teaching and research
Design and implement blended learning course	Use digital technology to support students' communication and information literacy	Use big data in teaching and research
Design and implement digital project-based learning	Use digital technology for assessment and feedback in teaching and learning process	
Design and implement hyflex learning	Use digital technology to support students to be independent and life-long learning	
Design and implement teaching strategies that integrate digital technology		
Make use of correct principles to select proper digital technology		

Higher Education Digital Transformation Reference Framework (HEDTRF)



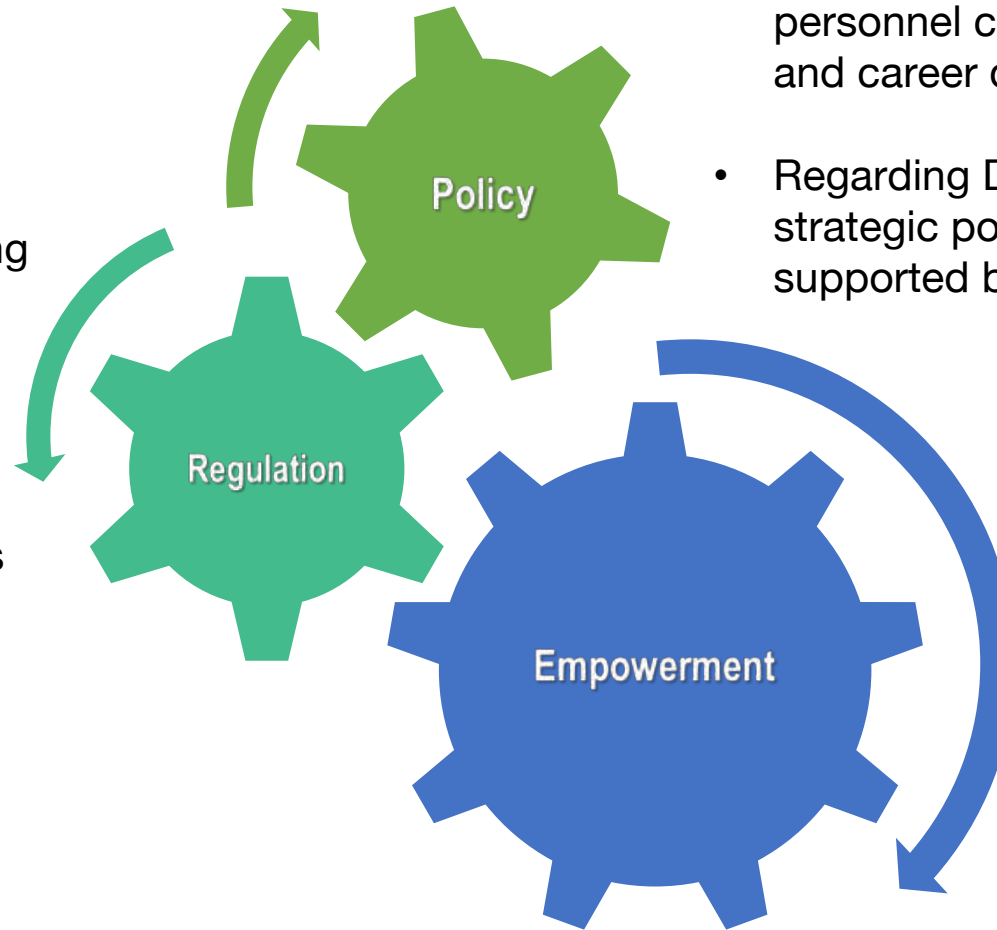
Micro-Competency Framework for Digital Teaching of Higher Education Teachers



Challenges and Opportunities (n= 507 from 9 HEIs)

Factor 1	Factor 2
Integration of MC in career path and promotion track for teaching personnel	Promotion and dissemination of MC and its recognition to teaching personnel
Use of MC for the recruitment of teaching personnel	Collaboration with other institutions including industry to increase the relevance and mutual recognition for MC
Integration of MCs into short- and long-term university plan	Facilitation of the implementation and participation of MC for teaching personnel
HEI leaders' participation in MC	Policy on lifelong learning through the participation of MC
Guidelines for participation in and recognition of MC.	Involvement of teaching personnel in decision-making regarding MC in the university
Conducive support for participating in MC	Selection and recommendation of MCs that are relevant to the campus's needs
Network with professional associations for recognition of MC	Recognition of MC as a part of the HEI ecosystem
Permission to integrate MC in teaching and curriculum	Provision of a platform for teaching personnel to be involved in developing, using, participating, and evaluating MC
Periodical surveys to check on teaching personnel's perception of MC	Emphasis on quality and relevance in developing and selecting MC
Provision of support system for teaching personnel to participate in MC	Development of a platform to support the implementation of MC
An effective system to evaluate and monitor the impact of MC	
Teaching personnel are encouraged to participate in MC actively	
Policy on integration for MC as one of the CPD for teaching personnel	
collaboration with online providers offering MC	
Provision of evaluation, recognition, and appreciation system for teaching personnel actively participating in MC	

- Regulation on teaching personnel capacity building as a lifelong learning and career development process is available
- Regulation regarding Digital Transformation has also been available. Including the implementation of Pre-employment card, establishment of ICE Institute, etc.

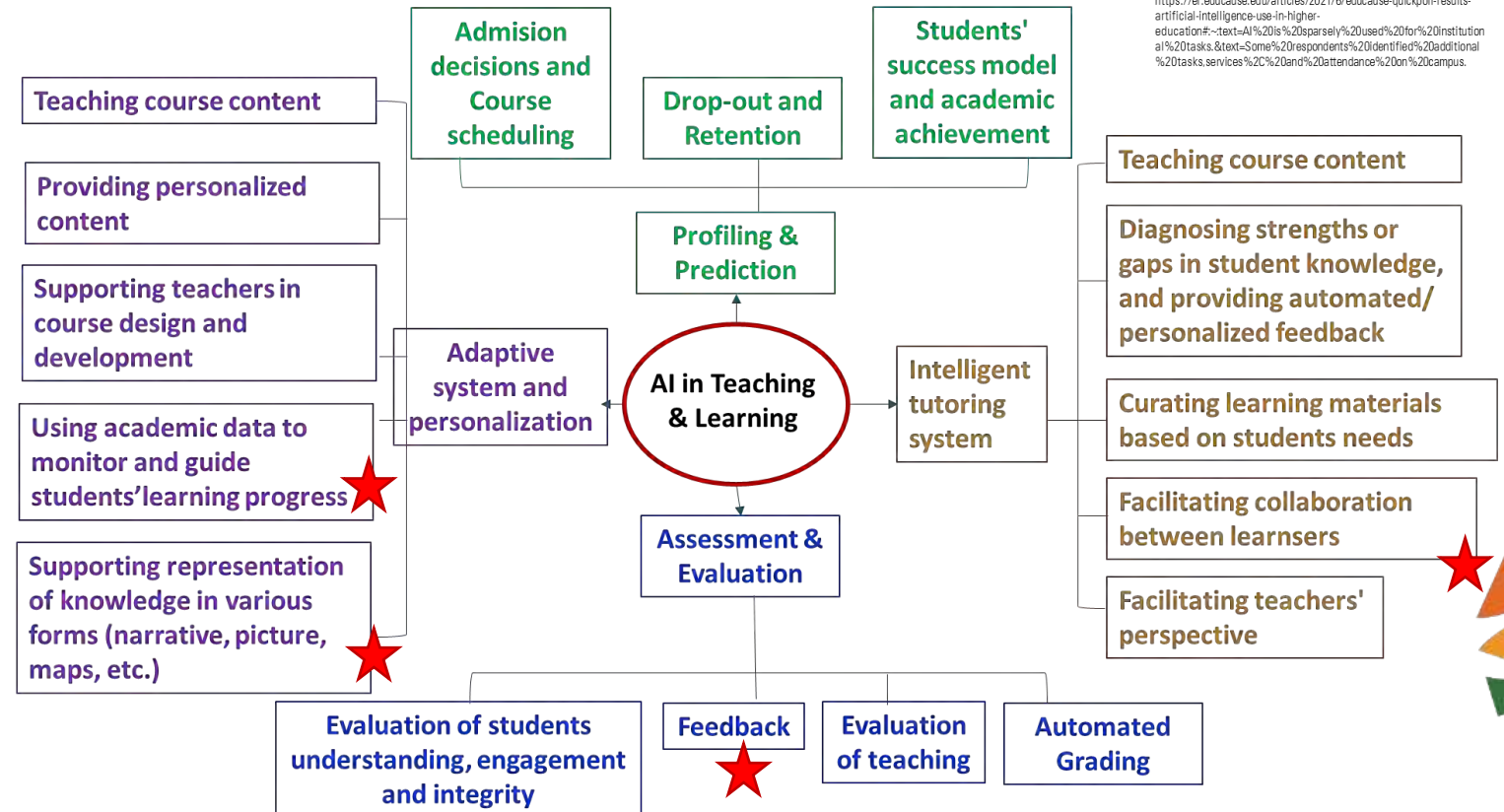


- Indonesia has devised a policy on teaching personnel capacity building as a lifelong learning and career development process.
- Regarding Digital Transformation, it has been the strategic policy by the current President, and supported by various ministries

Due to a large number of teaching personnel and students, empowerment effort regarding digital transformation is affirmatively needed in big numbers and high speed.

ARTIFICIAL INTELLIGENCE

- Although not mentioned specifically, the respondents' replies indicate their needs and wants to explore the use of AI in their teaching and learning process
- At present: use has been relatively massive, sporadic from the grassroots level
- ChatGPT used by everybody (+, -)



AI

- Ethical issues
- Anxiety by some higher education teaching personnel





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谢谢

Thanks

Merci

Спасибо

Gracias