

Changing Education at a Rapidly Developing University in Singapore

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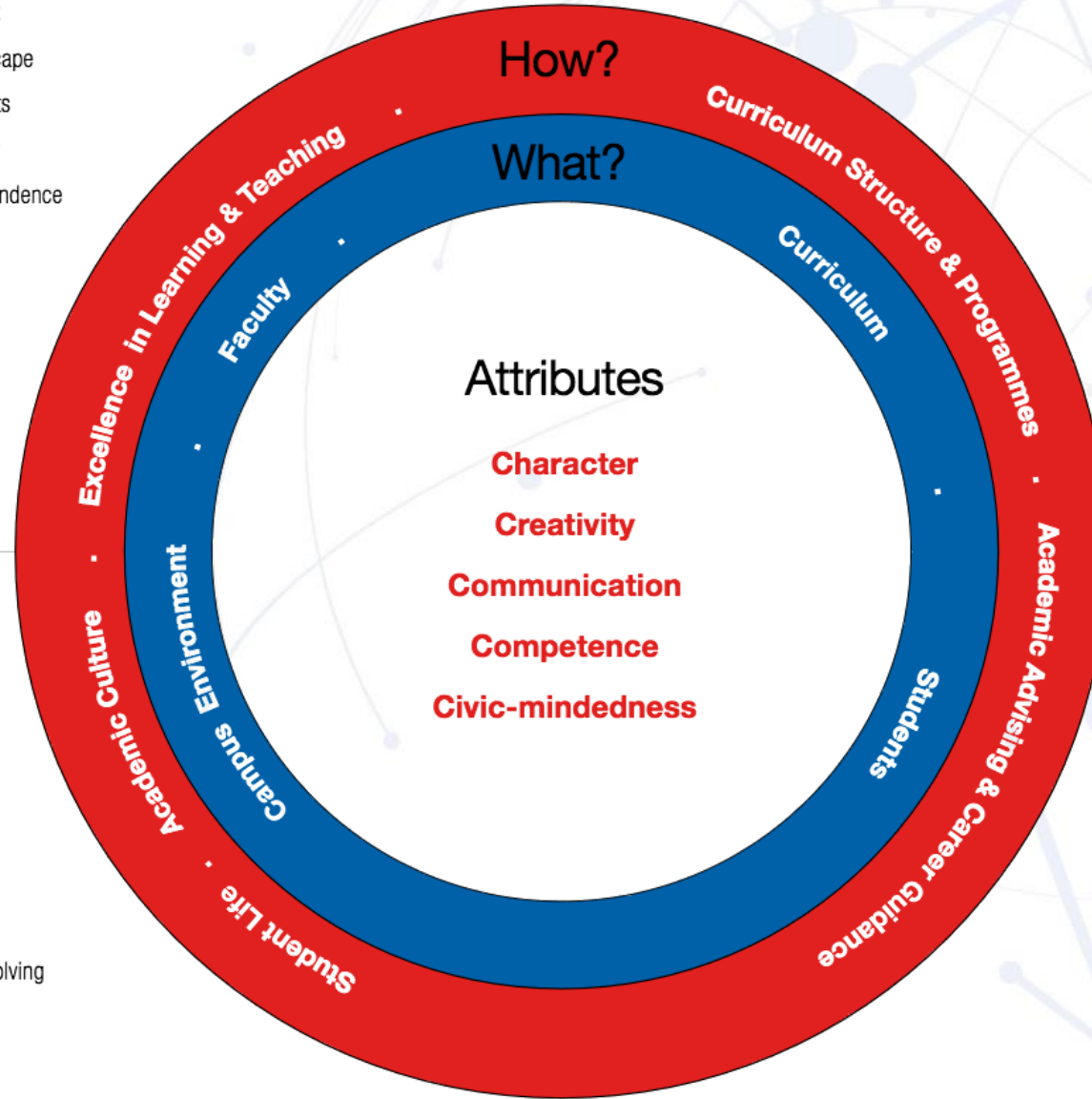
NTU Education

Global Environment

- Changing Economic Landscape
- Technological Advancements
- Challenges to Sustainability
- Increasing Global Interdependence

21st Century Skills Needed

- Creative Thinking
- Communication Skills
- Disciplinary Depth
- Interdisciplinary Problem-solving
- Interpersonal Skills
- Professional Integrity
- Collaborative Skills



Social Transformation

- Speed & Scale of Change
- Cultural Diversity
- Social Media
- Social Inclusiveness
- New Moral Dilemmas



Learning Needs of the New Generation

- Experiential
- Participatory
- Image-driven
- Connected

Bringing the processes of change

- Develop a culture of responsiveness, relevance and rigour
- Enhance teaching excellence
- Empower learning through technology enablers
- Enhance learning beyond the curriculum
- Enrich undergraduate education and improve postgraduate education



NTU 2020

- Moving towards outcome based education
- Transforming education through technology
- Transforming the learning environment
- Building capacity



Examples of Transformation

- Renaissance Engineering Program
 - 4.5 years integrated, co-terminal programme leading to a Bachelor of Engineering Science with specialisation in a chosen engineering discipline and a Master of Science in Technology Management
 - Broad-based curriculum, multi-disciplinary approach and opportunity to spend a year in UC Berkeley or Imperial College
- Expanding Double Major programmes
 - Seven new double majors combining arts, social science subjects and business
 - Strong interdisciplinary theme
 - Provide students with depth across a span of academic disciplines



Thank you



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