

# **National Education Strategic Plan (2021 – 2030)**

## **Higher Education, Research and Innovation**

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# Consultants for Higher Education

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# Chapter 7 : Higher Education, Research and Innovation

Pillar Nos	Strategy Nos	Component Nos
Pillar 1	5	18
Pillar 2	2	6
Pillar 3	5	16
Pillar 4	3	4
Pillar 5	5	14
Pillar 6	1	4
Pillar 7	3	6
Pillar 8	3	10
<b>Total</b>	<b>8</b>	<b>78</b>

# Chapter 7 : Higher Education, Research and Innovation

## Pillar 1: Access and Inclusion

## Strategy 5; Component 18

### Strategy 1: Expanding equitable and inclusive access to Higher Education

- Component 1** Development and implementation of a national strategy to expand inclusive and equitable access to Higher Education, prioritizing the ethnic areas, disabled students and marginalized areas
- Component 2** Supporting HEIs to establish new Faculties to address national and regional development priorities and skills demanded by the labor market
- Component 3** Providing scholarships and stipends and loans to students in ethnic areas and marginalized areas, and low-income students and disabled students
- Component 4** Supporting technology and infrastructure at HEIs, prioritizing ethnic areas and marginalized areas
- Component 5** Encouraging comprehensive universities offering a wider range of disciplines
- Component 6** Eliminate non-monetary barriers to equitable access and success through academic and career counselling in high schools, outreach and bridge programs between universities and high schools, preferential admission, and retention programs at higher education institutions
- Component 7** Undertaking a Feasibility Study and establishing 10 Joint HE and TVET Community Colleges (pilot) in ethnic areas

## Strategy 2: Encouraging the National Open University

- Component 1** Encouraging the National Open University (NOU) with adequate governance and budget arrangements
- Component 2** Providing quality, integrated curricula with a wider range of qualifications **under the NOU**
- Component 3** Supporting flexible, inclusive and equitable access to open universities
- Component 4** Improving the effectiveness of distance education system through the modernized distance education and providing blended learning, and MOOCs

## Strategy 3: Expanding and strengthening certificate, diploma, bachelor, master and Ph.D. courses

- Component 1** Offering and expanding education programmes that meet local needs and national **needs under the Schools and Industry Partnership (SIP)**
- Component 2** Providing quality lifelong learning opportunities for Continuous Professional Development

## Strategy 4: Strengthening a comprehensive Teacher Policy

- Component 1** Establishing the Teacher Council
- Component 2** Designing and implementing an equitable teacher recruitment, deployment system
- Component 3** Establishing and implementing a teacher licensing or accreditation system

## Strategy 5: Developing and implementing inclusive teacher education

**Component 1**      Strengthening Education for Peace and Sustainable Development

**Component 2**      Developing and implementing Centres of Excellence in TEIs

**Strategy 1: Developing HE curricula with IQ, EQ with 21st Century Competencies to meet the needs of MSDP and industries**

- Component 1**      Establishing Curriculum Development Teams in HEIs and providing training on the new HE curricula
- Component 2**      Reviewing and improving curricula at HEIs to enhance graduate employability through 21<sup>st</sup> Century Competencies and STEM education, research and innovation
- Component 3**      Establishing and strengthening academic support, career guidance and alumni networks
- Component 4**      Develop and implement a Higher Education Language Policy and Strategy, reviewing the use of English as a Medium of Instruction (EMI)

**Strategy 2: Reviewing and improving curricula for both pre-service and in-service Teacher Education Training**

- Component 1**      Reviewing, revising and improving the curricula of pre-service teacher education
- Component 2**      Reviewing, revising and improving the curricula of in-service teacher education

**Strategy 1: Providing pre-service training for education workforce**

- Component 1** Training newly-appointed faculty and existing faculty in the use of innovative pedagogical methods
- Component 2** Providing training courses in English and ICT skills for all existing and newly appointed education workforce

**Strategy 2: Providing Continuous Professional Development Programmes for the Education Workforce**

- Component 1** Developing subject-matter and pedagogy teacher competencies standards framework for the education workforce at HEIs
- Component 2** Prioritizing and providing CPD programmes for the education workforce every year
- Component 3** Strengthening capacity to teach and do research in English
- Component 4** Establishing Teaching and Learning Services Departments and improving the capacity of their specialists

**Strategy 3: Providing digital technologies and upgrading facilities**

- Component 1** Providing digital teaching and learning materials for faculties and students
- Component 2** Establishing a Digital Learning Management System for HEIs
- Component 3** Establishing Digital Learning Centres (e-libraries/e-learning facilities) in all HEIs



**Component 4** Building the national digital infrastructure for the Myanmar Research and Education Network (mmREN) linking all Universities, TVET Centres, High schools, etc. under one national digital network

**Component 5** Establishing the mmREN organisation to manage and maintain the mmREN network

#### **Strategy 4: Improving the quality of Pre-service Teacher Education**

**Component 1** Improving pedagogies to be in line with competency standards in pre-service training

**Component 2** Improving ICT technology and enhancing online, offline and blended teaching learning

**Component 3** Strengthening collaboration with partnership schools to provide practicum in pre-service teacher education

#### **Strategy 5: Enhancing Continuous Professional Development of In-service Teacher Education**

**Component 1** Providing CPD programmes to in-service teachers

**Component 2** Establishing and implementing a National Centre for Teacher Professional Development (NCTPD)

**Strategy 1: Strengthening Institution-based assessment systems of HEIs**

- Component 1** Enhancing formative and summative assessment in all courses offered at HEIs to be compatible with international standards
- Component 2** Establishing an assessment system for practical performance of students in the outside work environment

**Strategy 2: Strengthening Institution-based assessment systems in TEIs**

- Component 1** Establishing an assessment system and strengthening the credit system for TEIs

**Strategy 3: Supporting International Assessments, Competitions and Challenges**

- Component 1** Providing the capacity training to the teachers and students for International Assessments, Competitions and Challenges at all HEIs

**Strategy 1: Improving university autonomy in HEIs**

- Component 1** Strengthening autonomous governance of HEIs through University Charters and University Councils, Senate, Administrative Board, in line with the University Autonomy Roadmap
- Component 2** Supporting shared accountability and responsibility for the university autonomy of HEIs, with a gradual increase in the number of autonomous universities

**Strategy 2: Strengthening governance and management of the education workforce in HEIs**

- Component 1** Establishing a National Institute for Higher Education Development (NIHED) to improve higher education governance and management, build individual skills and strengthen institutional capabilities
- Component 2** Supporting strategic planning and providing the required budget funding for HEIs to meet State/Region socio-economic development priorities, industry and private sector demands and have 21<sup>st</sup> Century relevance
- Component 3** Developing a policy and strategic plans, and investing to establish ASEAN-standard national universities and comprehensive universities
- Component 4** Developing the HRD Road Map (policy guidelines and procedures) for HEIs through reforms in recruitment, transfers, advanced training and career progression of faculty and staff (linked with teaching and/or research performance, as relevant) to support quality improvement

**Component 5** Developing the formal and informal mechanisms for the facilitation of cross-sectoral communication, coordination and collaboration, including elected members of the university teacher unions and student unions according to university charters and all HEIs

**Component 6** Strengthening the management and administration of senior education workforce

**Component 7** Define the legal framework for private higher education providers

### **Strategy 3: Upgrading quality assurance structures and processes**

**Component 1** Supporting National Accreditation and Quality Assurance Committee (NAQAC) to lead HEIs for the development of national quality assurance guidelines and standards, orient and advise universities or programmes seeking accreditation and undertake quality assurance assessments of all HEIs (public and private)

**Component 2** Developing the partnership between NAQAC and ASEAN members states (AMS) for QA of respective universities

**Component 3** Developing policy guidelines and procedures to enhance mobility, credit transfer system and recognition of qualification

### **Strategy 4: Encouraging IQ, EQ and 21st Century Competencies of the education workforce**

**Component 1** Improving IQ, EQ and 21<sup>st</sup> Century competency standards for pre-service and in-service teacher training courses

### **Strategy 5: Encouraging CTS, NQF and RQF**

**Component 1** Utilizing CTS in HEIs compatible with NQF and RQF

**Strategy 1: Investing in Higher Education Institutions**

- Component 1** Investing more government budget for the HEIs' Annual Development Plans according to the National Education Law, prioritizing well-beings, technology and infrastructure
- Component 2** Establishing a Research and Innovation Fund managed by the National Research Council to invest in research and innovation projects in all States and Regions (e.g. robots, IoTs, AI technologies)
- Component 3** Establishing a new financial management system for annual operational budgets to support Rector's Committee, NEPC, NIHED, NAQAC, University CRIs, mmREN organisation, National Research Council, and CRESTI
- Component 4** Establishing new Financial Management Procedures for HEIs to access additional resources from the Union and Regions and States governments, development partners, international universities and private sector for curricula, research and innovation projects

**Strategy 1: Strengthening international relations through the networks between Myanmar HEIs and international universities/ institutions/ organizations**

**Component 1** Undertaking oversea seminars, workshops, research conferences, including short term trainings

**Component 2** Promoting international student mobility programmes through Mutual Recognition of Qualifications (MRQ) and credit transfer systems with other countries (ASEAN as a priority)

**Component 3** Strengthening the research collaboration with national and international research institutes

**Component 4** Leverage diaspora networks to help build education and research capacities

**Strategy 2: Strengthening Technology Promotion and Cooperation**

**Component 1** Providing technical assistance to create an innovative blended teaching and learning environment

**Strategy 3: Strengthening internationalization and partnership in teacher education**

**Component 1** Strengthening collaboration with development partners to improve the quality of HEIs and pre-service and in-service teacher training

**Strategy 1: Supporting infrastructure for research and innovation**

- Component 1** Establishing a National Research Council and development of National Research Strategy Policy Guidelines for the Schools and Industry Partnership (SIP) Programme to enhance technology and research development cooperation across all universities
- Component 2** Establishing a National Centre for Research, Science, Technology and Innovation (CRESTI) including annual operational budgets
- Component 3** Implementing the Schools and Industry Partnership (SIP) Programme in partnership with DTVET and establishing a Centre for Research and Innovation (CRI) at one University in each State and Region (including annual operational CRI budgets), and Research and Development Teams in all other HEIs to benefit university teaching and learning and develop university-managed income streams
- Component 4** Establishing research scholar exchange programmes across universities in Myanmar and with international HEIs
- Component 5** Expanding the Myanmar Education, Research and Learning (MERAL) Portal to cover all HEIs

**Strategy 2: Developing capacity for research**

- Component 1** Undertaking capacity development for researchers in all HEIs
- Component 2** Organizing National and International Research Conferences

### Strategy 3: Encouraging applied research, innovation and technology transfer

- Component 1** Encouraging applied research and innovation and enhancement of collaboration and co-operation
- Component 2** Developing science, technology and innovation to promote manufacturing and service industries which support socio-economic development
- Component 3** Strengthening collaboration among universities, research institutes and industries



Thank You