

**หลักสูตร ................................................ สาขาวิชา .................................................**

**หลักสูตรปรับปรุง/ใหม่ พ.ศ. ............................**

**คณะ.................................................................**

**ส่วนที่ 1 ผลการประเมินองค์ประกอบที่ 1 การกำกับมาตรฐาน**

| **ข้อ** | **เกณฑ์การประเมิน** | **ผลดำเนินการ** |
| --- | --- | --- |
| **ผ่านเกณฑ์/ไม่ผ่านเกณฑ์** |
| **ตรี** | **โท** | **เอก** |
| 1 | จำนวนอาจารย์ผู้รับผิดชอบหลักสูตร |  |  |  |
| 2 | คุณสมบัติของอาจารย์ผู้รับผิดชอบหลักสูตร |  |  |  |
| 3 | คุณสมบัติอาจารย์ประจำหลักสูตร |  |  |  |
| 4 | คุณสมบัติของอาจารย์ผู้สอน |  |  |  |
| 5 | คุณสมบัติของอาจารย์ที่ปรึกษาวิทยานิพนธ์หลักและอาจารย์ที่ปรึกษาการค้นคว้าอิสระ |  |  |  |
| 6 | คุณสมบัติของอาจารย์ที่ปรึกษาวิทยานิพนธ์ร่วม (ถ้ามี) |  |  |  |
| 7 | คุณสมบัติของอาจารย์ผู้สอบวิทยานิพนธ์ |  |  |  |
| 8 | การตีพิมพ์เผยแพร่ผลงานของผู้สำเร็จการศึกษา |  |  |  |
| 9 | ภาระงานอาจารย์ที่ปรึกษาวิทยานิพนธ์และการค้นคว้าอิสระในระดับบัณฑิตศึกษา |  |  |  |
| 10 | การปรับปรุงหลักสูตรตามรอบระยะเวลาที่กำหนด (ทุกรอบ 5 ปี) |  |  |  |

**สรุปผลการประเมินองค์ประกอบที่ 1 การกำกับมาตรฐาน**

⬜ เป็นไปตามเกณฑ์ ⬜ ไม่เป็นไปตามเกณฑ์

**AUN-QA Assessment at Programme Level version 4.0**

| **Criteria 1 Expected Learning Outcomes** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | The programme to show that the expected learning outcomes are appropriately formulated in accordance with an established learning taxonomy, are aligned to the vision and mission of the university, and are known to all stakeholders. |  |  |  |  |  |  |  |
| 1.2 | The programme to show that the expected learning outcomes for all courses are appropriately formulated and are aligned to the expected learning outcomes of the programme. |  |  |  |  |  |  |  |
| 1.3 | The programme to show that the expected learning outcomes consist of both generic outcomes (related to written and oral communication, problemsolving, information technology, teambuilding skills, etc) and subject specific outcomes (related to knowledge and skills of the study discipline). |  |  |  |  |  |  |  |
| 1.4 | The programme to show that the requirements of the stakeholders, especially the external stakeholders, are gathered, and that these are reflected in the expected learning outcomes. |  |  |  |  |  |  |  |
| 1.5 | The programme to show that the expected learning outcomes are achieved by the students by the time they graduate. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 2 Programme Structure and Content** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 2.1 | The specifications of the programme and all its courses are shown to be comprehensive, up-to-date, and made available and communicated to all stakeholders. |  |  |  |  |  |  |  |
| 2.2 | The design of the curriculum is shown to be constructively aligned with achieving the expected learning outcomes. |  |  |  |  |  |  |  |
| 2.3 | The design of the curriculum is shown to include feedback from stakeholders, especially external stakeholders. |  |  |  |  |  |  |  |
| 2.4 | The contribution made by each course in achieving the expected learning outcomes is shown to be clear. |  |  |  |  |  |  |  |
| 2.5 | The curriculum to show that all its courses are logically structured, properly sequenced (progression from basic to intermediate to specialised courses), and are integrated. |  |  |  |  |  |  |  |
| 2.6 | The curriculum to have option(s) for students to pursue major and/or minor specialisations. |  |  |  |  |  |  |  |
| 2.7 | The programme to show that its curriculum is reviewed periodically following an established procedure and that it remains up-to-date and relevant to industry. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 3 Teaching and Learning Approach** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 3.1 | The educational philosophy is shown to be articulated and communicated to all stakeholders. It is also shown to be reflected in the teaching and learning activities. |  |  |  |  |  |  |  |
| 3.2 | The teaching and learning activities are shown to allow students to participate responsibly in the learning process. |  |  |  |  |  |  |  |
| 3.3 | The teaching and learning activities are shown to involve active learning by the students. |  |  |  |  |  |  |  |
| 3.4 | The teaching and learning activities are shown to promote learning, learning how to learn, and instilling in students a commitment for life-long learning (e.g., commitment to critical inquiry, information-processing skills, and a willingness to experiment with new ideas and practices). |  |  |  |  |  |  |  |
| 3.5 | The teaching and learning activities are shown to inculcate in students, new ideas, creative thought, innovation, and an entrepreneurial mindset. |  |  |  |  |  |  |  |
| 3.6 | The teaching and learning processes are shown to be continuously improved to ensure their relevance to the needs of industry and are aligned to the expected learning outcomes. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 4 Student Assessment Student Assessment** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4.1 | A variety of assessment methods are shown to be used and are shown to be constructively aligned to achieving the expected learning outcomes and the teaching and learning objectives. |  |  |  |  |  |  |  |
| 4.2 | The assessment and assessment-appeal policies are shown to be explicit, communicated to students, and applied consistently. |  |  |  |  |  |  |  |
| 4.3 | The assessment standards and procedures for student progression and degree completion, are shown to be explicit, communicated to students, and applied consistently. |  |  |  |  |  |  |  |
| 4.4 | The assessments methods are shown to include rubrics, marking schemes, timelines, and regulations, and these are shown to ensure validity, reliability, and fairness in assessment. |  |  |  |  |  |  |  |
| 4.5 | The assessment methods are shown to measure the achievement of the expected learning outcomes of the programme and its courses. |  |  |  |  |  |  |  |
| 4.6 | Feedback of student assessment is shown to be provided in a timely manner. |  |  |  |  |  |  |  |
| 4.7 | The student assessment and its processes are shown to be continuously reviewed and improved to ensure their relevance to the needs of industry and alignment to the expected learning outcomes. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 5 Academic Staff** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 5.1 | The programme to show that academic staff planning (including succession, promotion, re-deployment, termination, and retirement plans) is carried out to ensure that the quality and quantity of the academic staff fulfil the needs for education, research, and service. |  |  |  |  |  |  |  |
| 5.2 | The programme to show that staff workload is measured and monitored to improve the quality of education, research, and service. |  |  |  |  |  |  |  |
| 5.3 | The programme to show that the competences of the academic staff are determined, evaluated, and communicated. |  |  |  |  |  |  |  |
| 5.4 | The programme to show that the duties allocated to the academic staff are appropriate to qualifications, experience, and aptitude. |  |  |  |  |  |  |  |
| 5.5 | The programme to show that promotion of the academic staff is based on a merit system which accounts for teaching, research, and service. |  |  |  |  |  |  |  |
| 5.6 | The programme to show that the rights and privileges, benefits, roles and relationships, and accountability of the academic staff, taking into account professional ethics and their academic freedom, are well defined and understood. |  |  |  |  |  |  |  |
| 5.7 | The programme to show that the training and developmental needs of the academic staff are systematically identified, and that appropriate training and development activities are implemented to fulfil the identified needs. |  |  |  |  |  |  |  |
| 5.8 | The programme to show that performance management including reward and recognition is implemented to assess academic staff teaching and research quality. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 6 Student Support Service** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 6.1 | The student intake policy, admission criteria, and admission procedures to the programme are shown to be clearly defined, communicated, published, and up-to-date. |  |  |  |  |  |  |  |
| 6.2 | Both short-term and long-term planning of academic and non-academic support services are shown to be carried out to ensure sufficiency and quality of support services for teaching, research, and community service. |  |  |  |  |  |  |  |
| 6.3 | An adequate system is shown to exist for student progress, academic performance, and workload monitoring. Student progress, academic performance, and workload are shown to be systematically recorded and monitored. Feedback to students and corrective actions are made where necessary. |  |  |  |  |  |  |  |
| 6.4 | Co-curricular activities, student competition, and other student support services are shown to be available to improve learning experience and employability. |  |  |  |  |  |  |  |
| 6.5 | The competences of the support staff rendering student services are shown to be identified for recruitment and deployment. These competences are shown to be evaluated to ensure their continued relevance to stakeholders needs. Roles and relationships are shown to be well-defined to ensure smooth delivery of the services. |  |  |  |  |  |  |  |
| 6.6 | Student support services are shown to be subjected to evaluation, benchmarking, and enhancement. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria 7 Facilities and Infrastructure** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 7.1 | The physical resources to deliver the curriculum, including equipment, material, and information technology, are shown to be sufficient. |  |  |  |  |  |  |  |
| 7.2 | The laboratories and equipment are shown to be up-to-date, readily available, and effectively deployed. |  |  |  |  |  |  |  |
| 7.3 | A digital library is shown to be set-up, in keeping with progress in information and communication technology. |  |  |  |  |  |  |  |
| 7.4 | The information technology systems are shown to be set up to meet the needs of staff and students. |  |  |  |  |  |  |  |
| 7.5 | The university is shown to provide a highly accessible computer and network infrastructure that enables the campus community to fully exploit information technology for teaching, research, service, and administration. |  |  |  |  |  |  |  |
| 7.6 | The environmental, health, and safety standards and access for people with special needs are shown to be defined and implemented. |  |  |  |  |  |  |  |
| 7.7 | The university is shown to provide a physical, social, and psychological environment that is conducive for education, research, and personal wellbeing. |  |  |  |  |  |  |  |
| 7.8 | The competences of the support staff rendering services related to facilities are shown to be identified and evaluated to ensure that their skills remain relevant to stakeholder needs. |  |  |  |  |  |  |  |
| 7.9 | The quality of the facilities (library, laboratory, IT, and student services) are shown to be subjected to evaluation and enhancement. |  |  |  |  |  |  |  |
| **Overall** |  |

| **Criteria** 8 **Output and Outcomes** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 8.1 | The pass rate, dropout rate, and average time to graduate are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |  |  |  |
| 8.2 | Employability as well as self-employment, entrepreneurship, and advancement to further studies, are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |  |  |  |
| 8.3 | Research and creative work output and activities carried out by the academic staff and students, are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |  |  |  |
| 8.4 | Data are provided to show directly the achievement of the programme outcomes, which are established and monitored. |  |  |  |  |  |  |  |
| 8.5 | Satisfaction level of the various stakeholders are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |  |  |  |
| **Overall** |  |

**สรุปผลการประเมินตามเกณฑ์ AUN-QA**

|  |  |
| --- | --- |
| **เกณฑ์** | **คะแนน** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| AUN.1 ผลการเรียนรู้ที่คาดหวัง (Expected Learning Outcomes) |  |  |  |  |  |  |  |
| AUN.2 โครงสร้างเนื้อหาหลักสูตร (Programme Structure and Content) |  |  |  |  |  |  |  |
| AUN.3 การจัดการเรียนการสอน (Teaching and Learning Approach) |  |  |  |  |  |  |  |
| AUN.4 การประเมินผู้เรียน (Student Assessment) |  |  |  |  |  |  |  |
| AUN.5 บุคลากรสายวิชาการ (Academic Staff) |  |  |  |  |  |  |  |
| AUN.6 การบริการสนันสนุนผู้เรียน (Student Support Services) |  |  |  |  |  |  |  |
| AUN.7 สิ่งอำนวยความสะดวก และโครงสร้างพื้นฐาน (Facilities and Infrastructure) |  |  |  |  |  |  |  |
| AUN.8 ผลผลิตและผลลัพธ์ (Output and Outcomes) |  |  |  |  |  |  |  |
| **Overall** |

**หมายเหตุ : 7 ระดับคะแนน สำหรับใช้ในการประเมินด้วยเกณฑ์ AUN-QA**

**ระดับคะแนน 1 = ไม่มีคุณภาพอย่างยิ่ง จำเป็นต้องปรับปรุงอย่างเร่งด่วน**

ไม่มีการดำเนินการใดๆ ไม่มีเอกสาร ไม่มีแผน ไม่มีหลักฐานหรือผลดำเนินการ

**ระดับคะแนน 2 = ยังไม่มีคุณภาพ จำเป็นต้องมีการปรับปรุงพัฒนา**

อยู่ในขั้นการวางแผน มีหลักฐานทางเอกสารหรือผลดำเนินงานเพียงเล็กน้อย

**ระดับคะแนน 3 = ยังไม่มีคุณภาพ ต้องการการปรับปรุงพัฒนาเล็กน้อยจะทำให้มีคุณภาพดีขึ้น**

มีเอกสารหลักฐาน แต่ไม่ชัดเจนเพียงพอที่จะใช้สนับสนุนถึงผลดำเนินงาน ผลดำเนินงานที่แสดงมี

ความไม่แน่นอน หรือมีผลบางอย่างมาแสดง

**ระดับคะแนน 4 = มีคุณภาพเพียงพอตามที่เกณฑ์คาดหมาย**

มีเอกสารหลักฐานที่ชัดเจนในจะแสดงให้เห็นถึงผลดำเนินงาน ผลดำเนินงานที่แสดงมีความแน่นอน

และมีคุณภาพตามที่เกณฑ์คาดหวัง

**ระดับคะแนน 5 = มีคุณภาพเหนือกว่าที่เกณฑ์ AUN-QA กำหนด**

ดำเนินการตามเกณฑ์อย่างมีประสิทธิภาพ มีเอกสารหลักฐานชัดเจน มีผลลัพธ์ที่ดีและมีแนวโน้มใน

เชิงบวก

**ระดับคะแนน 6 = เป็นแบบอย่างที่ดีได้**

เป็นตัวอย่างของการปฏิบัติที่ดี มีหลักฐานที่แสดงถึงผลดำเนินงานที่ประสิทธิภาพ มีผลลัพธ์ที่ดีและ

มีแนวโน้มในเชิงบวก

**ระดับคะแนน 7 = คุณภาพดีเลิศ (ระดับ World Class หรือการปฏิบัติที่เป็นเลิศ)**

เป็นตัวอย่างการปฏิบัติในระดับชั้นนำ world – class มีหลักฐานผลดำเนินงานที่เป็นนวัตกรรม
 มีผลลัพธ์และมีแนวโน้มที่โดดเด่นในระดับโลก

**จุดแข็ง (Strength) และเรื่องที่สามารถปรับปรุงได้ (Areas for Improvement)**

หลักสูตร............................ สาขาวิชา............................. ได้ดำเนินการประกันคุณภาพตามแนวทางการประเมินคุณภาพในระบบประกันคุณภาพการศึกษาภายใน
ระดับหลักสูตร ในองค์ประกอบที่ 2 การพัฒนาคุณภาพของหลักสูตรตามเกณฑ์ AUN-QA version 4.0 (ภาคภาษาไทย) และจุดแข็ง เรื่องที่สามารถปรับปรุงได้ เป็นดังนี้

| **Criterion** | **Strengths** | **Areas for Improvement** | **Score****(1 – 7)** | **Overall Score** |
| --- | --- | --- | --- | --- |
| **1. Expected Learning Outcomes : ผลการเรียนรู้ที่คาดหวัง** |
| 1.1 | The programme to show that the expected learning outcomes are appropriately formulated in accordance with an established learning taxonomy, are aligned to the vision and mission of the university, and are known to all stakeholders. |  |  |  |  |
| 1.2 | The programme to show that the expected learning outcomes for all courses are appropriately formulated and are aligned to the expected learning outcomes of the programme |  |  |  |
| 1.3 | The programme to show that the expected learning outcomes consist of both generic outcomes (related to written and oral communication, problemsolving, information technology, teambuilding skills, etc) and subject specific outcomes (related to knowledge and skills of the study discipline) |  |  |  |
| 1.4 | The programme to show that the requirements of the stakeholders, especially the external stakeholders, are gathered, and that these are reflected in the expected learning outcomes. |  |  |  |
| 1.5 | The programme to show that the expected learning outcomes are achieved by the students by the time they graduate. |  |  |  |  |
| **2. Programme Structure and Content :โครงสร้างโปรแกรมและเนื้อหา** |
| 2.1 | The specifications of the programme and all its courses are shown to be comprehensive, up-to-date, and made available and communicated to all stakeholders. |  |  |  |  |
| 2.2 | The design of the curriculum is shown to be constructively aligned with achieving the expected learning outcomes. |  |  |  |
| 2.3 | The design of the curriculum is shown to include feedback from stakeholders, especially external stakeholders. |  |  |  |
| 2.4 | The contribution made by each course in achieving the expected learning outcomes is shown to be clear. |  |  |  |
| 2.5 | The curriculum to show that all its courses are logically structured, properly sequenced (progression from basic to intermediate to specialised courses), and are integrated. |  |  |  |
| 2.6 | The curriculum to have option(s) for students to pursue major and/or minor specialisations. |  |  |  |  |
| 2.7 | The programme to show that its curriculum is reviewed periodically following an established procedure and that it remains up-to-date and relevant to industry. |  |  |  |
| **3. Teaching and Learning Approach : แนวทางการจัดการเรียนการสอน** |
| 3.1 | The educational philosophy is shown to be articulated and communicated to all stakeholders. It is also shown to be reflected in the teaching and learning activities. |  |  |  |  |
| 3.2 | The teaching and learning activities are shown to allow students to participate responsibly in the learning process. |  |  |  |
| 3.3 | The teaching and learning activities are shown to involve active learning by the students. |  |  |  |
| 3.4 | The teaching and learning activities are shown to promote learning, learning how to learn, and instilling in students a commitment for life-long learning (e.g., commitment to critical inquiry, information-processing skills, and a willingness to experiment with new ideas and practices). |  |  |  |
| 3.5 | The teaching and learning activities are shown to inculcate in students, new ideas, creative thought, innovation, and an entrepreneurial mindset. |  |  |  |
| 3.6 | The teaching and learning processes are shown to be continuously improved to ensure their relevance to the needs of industry and are aligned to the expected learning outcomes. |  |  |  |
| **4. Student Assessment : การประเมินผู้เรียน** |
| 4.1 | A variety of assessment methods are shown to be used and are shown to be constructively aligned to achieving the expected learning outcomes and the teaching and learning objectives. |  |  |  |  |
| 4.2 | The assessment and assessment-appeal policies are shown to be explicit, communicated to students, and applied consistently. |  |  |  |
| 4.3 | The assessment standards and procedures for student progression and degree completion, are shown to be explicit, communicated to students, and applied consistently. |  |  |  |
| 4.4 | The assessments methods are shown to include rubrics, marking schemes, timelines, and regulations, and these are shown to ensure validity, reliability, and fairness in assessment. |  |  |  |
| 4.5 | The assessment methods are shown to measure the achievement of the expected learning outcomes of the programme and its courses. |  |  |  |  |
| 4.6 | Feedback of student assessment is shown to be provided in a timely manner. |  |  |  |
| 4.7 | The student assessment and its processes are shown to be continuously reviewed and improved to ensure their relevance to the needs of industry and alignment to the expected learning outcomes. |  |  |  |
| **5. Academic Staff : คุณภาพของบุคลากรสายวิชาการ** |
| 5.1 | The programme to show that academic staff planning (including succession, promotion, re-deployment, termination, and retirement plans) is carried out to ensure that the quality and quantity of the academic staff fulfil the needs for education, research, and service. |  |  |  |  |
| 5.2 | The programme to show that staff workload is measured and monitored to improve the quality of education, research, and service. |  |  |  |
| 5.3 | The programme to show that the competences of the academic staff are determined, evaluated, and communicated. |  |  |  |
| 5.4 | The programme to show that the duties allocated to the academic staff are appropriate to qualifications, experience, and aptitude. |  |  |  |  |
| 5.5 | The programme to show that promotion of the academic staff is based on a merit system which accounts for teaching, research, and service. |  |  |  |
| 5.6 | The programme to show that the rights and privileges, benefits, roles and relationships, and accountability of the academic staff, taking into account professional ethics and their academic freedom, are well defined and understood. |  |  |  |
| 5.7 | The programme to show that the training and developmental needs of the academic staff are systematically identified, and that appropriate training and development activities are implemented to fulfil the identified needs. |  |  |  |
| 5.8 | The programme to show that performance management including reward and recognition is implemented to assess academic staff teaching and research quality. |  |  |  |
| **6. Student Support Services : การบริการและการสนับสนุนผู้เรียน** |
| 6.1 | The student intake policy, admission criteria, and admission procedures to the programme are shown to be clearly defined, communicated, published, and up-to-date. |  |  |  |  |
| 6.2 | Both short-term and long-term planning of academic and non-academic support services are shown to be carried out to ensure sufficiency and quality of support services for teaching, research, and community service. |  |  |  |
| 6.3 | An adequate system is shown to exist for student progress, academic performance, and workload monitoring. Student progress, academic performance, and workload are shown to be systematically recorded and monitored. Feedback to students and corrective actions are made where necessary. |  |  |  |
| 6.4 | Co-curricular activities, student competition, and other student support services are shown to be available to improve learning experience and employability. |  |  |  |
| 6.5 | The competences of the support staff rendering student services are shown to be identified for recruitment and deployment. These competences are shown to be evaluated to ensure their continued relevance to stakeholders needs. Roles and relationships are shown to be well-defined to ensure smooth delivery of the services. |  |  |  |
| 6.6 | Student support services are shown to be subjected to evaluation, benchmarking, and enhancement. |  |  |  |  |
| **7. Support Staff Quality : สิ่งอำนวยความสะดวกและโครงสร้างพื้นฐาน** |
| 7.1 | The physical resources to deliver the curriculum, including equipment, material, and information technology, are shown to be sufficient. |  |  |  |  |
| 7.2 | The laboratories and equipment are shown to be up-to-date, readily available, and effectively deployed. |  |  |  |
| 7.3 | A digital library is shown to be set-up, in keeping with progress in information and communication technology. |  |  |  |
| 7.4 | The information technology systems are shown to be set up to meet the needs of staff and students. |  |  |  |
| 7.5 | The university is shown to provide a highly accessible computer and network infrastructure that enables the campus community to fully exploit information technology for teaching, research, service, and administration. |  |  |  |  |
| 7.6 | The environmental, health, and safety standards and access for people with special needs are shown to be defined and implemented. |  |  |  |
| 7.7 | The university is shown to provide a physical, social, and psychological environment that is conducive for education, research, and personal wellbeing. |  |  |  |
| 7.8 | The competences of the support staff rendering services related to facilities are shown to be identified and evaluated to ensure that their skills remain relevant to stakeholder needs. |  |  |  |
| 7.9 | The quality of the facilities (library, laboratory, IT, and student services) are shown to be subjected to evaluation and enhancement. |  |  |  |
| **8. Output and Outcomes : ผลผลิตและผลลัพธ์** |
| 8.1 | The pass rate, dropout rate, and average time to graduate are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |
| 8.2 | Employability as well as self-employment, entrepreneurship, and advancement to further studies, are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |
| 8.3 | Research and creative work output and activities carried out by the academic staff and students, are shown to be established, monitored, and benchmarked for improvement. |  |  |  |  |
| 8.4 | Data are provided to show directly the achievement of the programme outcomes, which are established and monitored. |  |  |  |
| 8.5 | Satisfaction level of the various stakeholders are shown to be established, monitored, and benchmarked for improvement. |  |  |  |

 ขอรับรองว่าข้อความในรายงานผลการดำเนินงานของหลักสูตร................................................. สาขาวิชา............................................ ถูกต้องเป็นจริงทุกประการ

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