



Self-Graduate Program Report (Self-GPR)

Muhammad Ali Jinnah University (MAJU), Karachi

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Mohammad Ali Jinnah University (MAJU), established in 1998 under a charter granted by the Government of Sindh and recognized by the Higher Education Commission (HEC) of Pakistan, is a private-sector higher education institution located in Karachi. The University offers a range of undergraduate, graduate, and doctoral programmes in disciplines including Engineering, Computer Science, Business Administration, Biosciences, and Social Sciences. MAJU is committed to promoting academic excellence, research, innovation, and the development of competent graduates through quality teaching, outcome-oriented education, and continuous quality enhancement.

This report presents the findings of the Graduate Programme Review (GPR) of the MS and PhD programmes offered by Mohammad Ali Jinnah University (MAJU) for the academic year 2025–2026. The review was conducted on the basis of the Self-Assessment Reports (SARs), programme portfolios, supporting documentary evidence, and observations made during the on-site visit conducted on 27 April 2026. The evaluation focused on the quality of postgraduate education, programme governance, curriculum implementation, research supervision, faculty profile, research environment, student support services, learning resources, and compliance with the Higher Education Commission's Graduate Education Policy (GEP) and Quality Assurance Framework (PSG-2023).

At the invitation of Mohammad Ali Jinnah University (Ref. No. MAJU/QEC/GPR Notification/2026/13/03/26, dated 13 March 2026), a Graduate Programme Review (GPR) Committee comprising internal and external reviewers conducted the annual review of the University's postgraduate programmes. The review was undertaken to evaluate the effectiveness of the MS and PhD programmes, assess compliance with HEC policies and quality standards, and identify strengths as well as opportunities for further enhancement. The GPR Committee comprised the following members:

1. Prof. Dr. Syed Imran Jami (Dean Academics)	Convener
2. Prof. Dr. Riaz Ahmed Shaikh	Certified External Reviewer
3. Muhammad Kashif Khan (Registrar Academics)	Internal Reviewer
4. Dr. Huma Javed (Director QEC)	Internal Reviewer
5. Prof. Dr. Shaukat Wasi (Dean FoC)	Member
6. Prof. Dr. Hina Fatima (Dean FoBA)	Member

7. Dr. Nadeem Kafi Khan (Dean FoE)	Member
8. Engr. Alina Aziz (Deputy Director QEC)	Member
9. Engr. Haris Ahmed (Manager QEC)	Member
10. Sheeraz Ahmed (Assistant Manager QEC)	Secretary

Executive Summary:

The Graduate Programme Review (GPR) of Mohammad Ali Jinnah University (MAJU), Karachi, was conducted on 27 April 2026 by a committee comprising internal and external reviewers in accordance with the Higher Education Commission's (HEC) Graduate Education Policy (GEP) and the Quality Assurance Framework (PSG-2023). The review evaluated the quality and effectiveness of the University's MS and PhD programmes through the examination of programme documentation, supporting evidence, stakeholder interactions, and observations made during the on-site visit.

The review focused on programme governance, curriculum implementation, research supervision, faculty profile, research environment, learning resources, student support services, assessment practices, and compliance with HEC quality assurance requirements. The Committee found that MAJU has established appropriate academic and administrative mechanisms to support its postgraduate programmes. The implementation of the Graduate Education Policy (GEP), accreditation of postgraduate programmes, qualified faculty, dedicated research facilities, faculty development initiatives, and quality requirements for doctoral research were identified as key strengths.

The Committee also identified opportunities for further enhancement, including increasing externally funded research, expanding international collaborations and exchange programmes, improving faculty retention, encouraging research publication by MS students, strengthening innovation and commercialization, formalizing postgraduate research policies, and implementing Outcome-Based Education (OBE) in the Computing programmes.

Overall, the Committee concludes that MAJU is committed to maintaining the quality of its postgraduate education and research environment. Addressing the identified opportunities for enhancement will further strengthen the quality and competitiveness of its graduate programmes.

Scope of Review:

The scope of the GPR encompassed a comprehensive evaluation of the MS and PhD programmes offered by Mohammad Ali Jinnah University in accordance with the Higher Education Commission's Graduate Education Policy and the Quality Assurance Framework (PSG-2023). The review assessed the quality and effectiveness of postgraduate education through the examination of programme documentation, institutional policies, supporting evidence, and observations made during the on-site visit.

The review covered the following key areas:

- Programme governance and compliance with HEC policies.
- Curriculum design, implementation, and review.
- Admission policies, student progression, research supervision, thesis evaluation, and degree completion requirements.
- Faculty qualifications, research productivity, and professional development.
- Teaching, learning, assessment, and educational technologies.
- Research facilities, library resources, research ethics, and academic support services.
- Student support services, including academic advising, career guidance, and counseling.
- Physical infrastructure, learning resources, and quality assurance mechanisms

Program Overview:

During the review period, the University was offering ten (10) postgraduate programmes, comprising eight MS programmes and two PhD programmes, across the disciplines of Computing, Management Sciences, and Biosciences.

The postgraduate programmes reviewed were:

- MS Computer Science
- MS Software Engineering
- MS Data Science
- MS Management Sciences

- MBA
- MS Project Management
- MS Biotechnology
- MS Bioinformatics
- PhD in Computer Science
- PhD in Management Sciences

The programmes are designed to provide advanced disciplinary knowledge, promote research and innovation, and prepare graduates for leadership roles in academia, industry, and research.

Meeting with Deans and Heads of the Departments (HoDs)

As part of the GPR, the Committee held a meeting with the Deans and Heads of Departments (HoDs) responsible for the University's postgraduate programmes. The meeting provided an opportunity to discuss the governance and management of the MS and PhD programmes, academic planning, curriculum implementation, faculty profile, research supervision, student progression, and quality assurance practices.

During the meeting, the academic leadership responded to the Committee's queries regarding programme compliance with the HEC's Graduate Education Policy, curriculum review mechanisms, research productivity, supervision arrangements, and learning outcomes. Supporting evidence and relevant documentation were presented to substantiate the University's practices. The discussions enabled the Committee to verify the implementation of academic policies and gain a comprehensive understanding of the strengths, challenges, and ongoing quality enhancement initiatives within the graduate programmes.

On-Site Evaluation with QEC Leadership

The on-site evaluation was conducted to verify the documentary evidence submitted by the University and assess the implementation of postgraduate academic and quality assurance

practices. The Committee, accompanied by the QEC leadership, inspected classrooms, laboratories, the central library, faculty offices, and student support facilities to evaluate the adequacy of teaching, research, and learning resources.

The observations made during the visit were consistent with the documentary evidence reviewed and provided the basis for the commendations, observations, and recommendations presented in this report.

Commendations:

- Graduate programmes are implemented in accordance with the Graduate Education Policy (GEP) and HEC regulations.
- All postgraduate programmes have received accreditation from the relevant accreditation bodies.
- Qualified faculty members are available to supervise postgraduate research.
- Dedicated laboratories and research facilities adequately support MS and PhD research activities.
- PhD degree completion requires publication in HEC-recognized W-category journals.
- PhD theses undergo evaluation by foreign experts, ensuring international academic standards.
- Graduate students have access to digital libraries, research databases, and specialized laboratory facilities.
- Regular research seminars, workshops, and training programmes enhance postgraduate research skills.
- Faculty members receive institutional incentives for publishing research in quality journals.
- Course evaluation and faculty performance monitoring mechanisms contribute to continuous improvement of postgraduate programmes.
- The University provides an enabling academic environment that supports postgraduate teaching, learning, and research.

- Graduate supervision is supported through experienced faculty and established academic procedures.
- Industry engagement opportunities are available through internship and collaborative activities relevant to postgraduate programmes.

Findings and Recommendations:

- Research commercialization arising from postgraduate work has not yet been demonstrated.

Recommendation:

Promote innovation and commercialization by supporting postgraduate research with industrial application potential.

- MS programmes do not require publication of research findings before degree completion.

Recommendation:

Encourage MS students to publish research findings in recognized journals or conference proceedings prior to graduation.

- Students bear the cost of external thesis evaluation.

Recommendation:

Introduce institutional financial support or cost-sharing mechanisms for external thesis evaluation.

- There is no documented policy addressing rejection of theses by foreign evaluators.

Recommendation:

Develop formal guidelines for thesis rejection, re-evaluation, and appeal procedures.

- Research grants supporting postgraduate research remain limited.

Recommendation:

Encourage supervisors to secure externally funded research projects that support postgraduate students.

- Patent registration based on postgraduate research has not been achieved.

Recommendation:

Develop institutional mechanisms encouraging postgraduate students and supervisors to pursue patentable research.

- Faculty retention may affect continuity of postgraduate supervision.

Recommendation:

Implement strategies to retain experienced faculty and strengthen postgraduate supervision.

- Outcome-Based Education (OBE) has not yet been implemented in Computing postgraduate programmes.

Recommendation:

Implement OBE in Computing programmes in accordance with HEC and accreditation body requirements.

- International exposure for postgraduate students remains limited.

Recommendation:

Promote international research collaboration, joint supervision, conference participation, and student exchange opportunities.

- Mechanisms for tracking postgraduate graduates and research impact can be further strengthened.

Recommendation:

Develop a comprehensive graduate tracking system to monitor alumni progression, research outcomes, and programme effectiveness..

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Prof. Dr. Riaz Ahmed Shaikh