

Regulations Governing  
Master of Science (MS) (Engg) by Research Programs  
of  
**KLE Technological University**  
**2015**



KLE Technological University

(Established under Karnataka Act No.22, 2013)

1	MS pro gra ms	1.1 Commi tees		Committees are responsible for admissions, monitoring, and evaluation of MS by Research programs. The scope/functions/responsibilities, compositions, and tenure and frequency of meetings of committees are also included.
			1.1.1	<b>Admission Committee:</b> The KLE Technological University Admission Committee is responsible for the conduct of Entrance Test and /or interview for MS by Research admissions, scrutiny of applications and selection of applicants for admission to MS by Research program.
			1.1.2	<b>Research Program Committee (RPC):</b> The Research Program Committee is responsible for monitoring approval of MS (Engg) by research programs, review of progress reports, recommendations from Research Review Committee (RRC) and Heads of Schools, and any other issues related to MS (Engg) by Research program registrations. This is an interface to the program offering schools and the University.
			i	Scope/Functions/Responsibilities of the Research Program Committee shall be: <ol style="list-style-type: none"> <li>1. Review of recommendations of Heads of the Schools regarding monitoring of MS by Research programs</li> <li>2. Review of recommendations of the Research Review Committee (RRC) and Viva-Voce Committee (VVC)</li> <li>3. Sending recommendations for: <ol style="list-style-type: none"> <li>a. Thesis submissions by Research Scholars</li> <li>b. Award of the Degree to Research Scholars</li> </ol> </li> </ol>
			ii	<b>Composition of the Research Program Committee:</b> It is to be constituted by the Vice-Chancellor and shall consist of: <ol style="list-style-type: none"> <li>1. Dean of Research - Chairperson</li> <li>2. Deans of Faculty - Members</li> <li>3. Heads of the Schools - Members</li> <li>4. One of the senior Faculty - Secretary</li> </ol>
			iii	<b>Tenure and frequency of meeting of Research Program Committee:</b> <ol style="list-style-type: none"> <li>1. The tenure of the Research Program Committee shall be <i>THREE</i> years.</li> <li>2. The Research Program Committee shall meet at least <i>TWICE</i> a year. However, the Committee shall meet as often as required.</li> </ol>
			1.1.3	<b>a. School Research Committee (SRC)</b> The SRC shall be formed for each of the school/department/center offering PhD/MS (Engg by Research) program. SRC is responsible to verify, approve and forward the recommendations of RRC in all the matters related to PhD/MS (Engg by Research) candidate to RPC. SRC is the link between RRC and RPC  <b>b. Research Review Committee (RRC):</b> The RRC shall be formed for each of the research scholars who are provisionally registered to MS (Engg) by Research Program. The RRC shall be responsible for reviewing and monitoring the progress of the research scholar from his/her commencement of MS (Engg) by Research until the Submission of the Thesis and send recommendations to SRC.
			i	<b>a. Scope/Functions/Responsibilities of the School Review Committee shall be:</b> <ol style="list-style-type: none"> <li>1. To select candidates for PhD/MS(Engg) by Research Programme</li> </ol>

			<p>after interviews.</p> <ol style="list-style-type: none"> <li>2. To Form of RRC and recommend the Coursework for the research scholars.</li> <li>3. To Recommend MS (Engg by Research) candidates for thesis submission based on the progress of research scholars.</li> <li>4. To communicate with the RPC/CoE for all research matters.</li> </ol> <p><b>b. Scope/Functions/Responsibilities of the Research Review Committee shall be:</b></p> <ol style="list-style-type: none"> <li>1. To review and finalize list of courses (Part-I) for the research scholar and recommend the same to SRC.</li> <li>2. To review/monitor periodically (at least once in six months) the research progress of each research scholar until his/her submission of the MS by Research Thesis.</li> </ol>
		ii	<p><b>a. Composition of the School Research Committee (SRC):</b> To be constituted by the Dean of Faculty and shall consist of:</p> <ol style="list-style-type: none"> <li>1. Head of the School - Chair person</li> <li>2. Two eligible Research Supervisors- Members</li> <li>3. One external expert -Member</li> <li>4. Senior Research Supervisor – Secretary</li> </ol> <p>The SRC may be re-constituted by the Dean of Faculty in the case of non-availability of existing member(s) or for any other valid reason, in consultation with the Head of the School/Dept./Center.</p> <p><b>b. Composition of the Research Review Committee:</b> Composition of the Research Review Committee: To be constituted by the Head of the school/department/center for each research scholar, shall consist of:</p> <ol style="list-style-type: none"> <li>1. Head of the School- Chair person</li> <li>2. Two internal domain experts may be identified by the Head of the school/department/center on the recommendations of the Research Supervisor from time to time.</li> <li>3. Research Supervisor(s)- Secretary</li> </ol> <p>The RRC may be re-constituted by the Head of the school/department/center in the case of non- availability of existing member(s) or for any other valid reason, in consultation with the Research Supervisor (s).</p>
		iii	<p><b>a. Frequency of meeting of SRC Committee:</b> The School Research Committee shall meet at least TWO times a year. However, the Committee shall meet as often as required.</p> <p><b>b. Frequency of meeting of RRC Committee:</b> The Research Review Committee shall meet at least TWO times a year. However, the Committee shall meet as often as required</p>
		1.1.4	<p><b>Viva-Voce Committee (VVC):</b> The Viva-Voce Committee is responsible for the thesis review and conduct of final viva-voce and recommending the result of Viva-Voce to RPC.</p>
		i	<p>Scope/Functions/Responsibilities of the Viva-Voce Committee (VVC) shall be:</p> <ol style="list-style-type: none"> <li>1. To review the thesis.</li> <li>2. The VVC shall conduct the final Viva-Voce for the research</li> </ol>

			<p>scholar to defend his/her MS by Research Thesis.</p> <p>3. The VVC shall submit the reports in the prescribed format to the RPC.</p>
		ii	<p><b>Composition of the Viva Voce Committee:</b> It is to be constituted by the Vice-Chancellor for each research scholar and shall consist of:</p> <ol style="list-style-type: none"> <li>1. Head of the School - Chairperson</li> <li>2. Research Supervisor(s) - Secretary</li> <li>3. Identified Adjudicators - Members</li> </ol>
	1.2 Admissions		<p><b>Admission Rules and Regulations:</b> List of faculties for which the degrees are offered, minimum qualifications, and different categories of MS by Research programs are announced by the University.</p> <p><b>Admission Process:</b> The Admission process involves a call for admissions, processing of applications, the conduct of Research Entrance Test (RET) and/or Interview, preparation of the selection list for registration.</p>
		1.2.1	<p>University shall permit the registration for MS by Research in the following Faculties, namely:</p> <ol style="list-style-type: none"> <li>1. Faculty of Engineering</li> </ol> <p><b>Inter-Disciplinary Subject Areas:</b> A research scholar is allowed to pursue MS by Research program in an area of interdisciplinary nature subject to the approval of RRC.</p>
		1.2.2	<p><b>Minimum qualifications for admissions:</b></p> <p>The minimum academic qualifications to be satisfied by the research scholars seeking admission to MS by Research Programme are as following:</p> <ul style="list-style-type: none"> <li>• Candidates with a Bachelor's Degree in Engineering / Technology with valid GATE score and/or good academic record are eligible. Candidates with Masters in Computer Applications (MCA) degree are also eligible</li> </ul>
		1.2.3	<p>Minimum qualifications and Relaxation for RET</p> <ol style="list-style-type: none"> <li>(a) The research scholar shall score 40% marks (35% for SC/ST research scholars) in RET to get qualified.</li> <li>(b) A Research scholar can reappear to RET examination for THREE times to get qualified.</li> <li>(c) The following categories of research scholars may be exempted from appearing the RET with the approval of Admission Committee. <ul style="list-style-type: none"> <li>• Faculty Members under QIP / FIP</li> <li>• Research scholars qualified in UGC-CSIR, JRF, RET or equivalent exams conducted by any state/private technological universities</li> <li>• Valid GATE score of 90 percentile within last THREE years</li> </ul> </li> </ol>
		1.2.4	<p><b>Call for Admissions:</b></p> <p>The University shall call for applications for admissions to MS (Engg) by Research program twice a year.</p>
		1.2.5	<p><b>Processing of applications:</b></p> <p>The eligible candidates satisfying the Regulation 1.2.2 shall submit their applications for admission to the University in the prescribed format along with other necessary documents.</p>
		1.2.7	<p><b>Selection of candidates:</b> List of the eligible candidates, who are selected to MS (Engg) by Research program as decided by Admission Committee, shall be called for registration.</p>

		<b>1.2.8</b>	<p><b>Categories of Research Scholars:</b> There shall be provision for the following categories of research scholars for admission to MS by Research.</p> <p><b>(a) Full-Time Research Scholars:</b> Such scholars shall pursue MS by Research on a full-time basis.</p> <p><b>(b) Part-Time Research Scholars:</b> In-service candidates working in any Engineering College / Polytechnic / University / Deemed to be University (recognized/accredited by appropriate bodies in India) or research staff of public/private organizations or Industry, are eligible to pursue MS by Research on a part-time basis. All part-time research scholars need to spend a minimum of 60 days on the University Campus every year until the Submission of their Thesis. This mandatory requirement of 60 days' stay on campus may be completed with 2 or 3 visits.</p> <p><b>(c)</b> The students who work for research on their research topic in a Institute of higher learning/research center/ Industry with whom, an official MoU exists or permitted do so by a written order will be considered for attendance</p>
		<b>1.2.9</b>	<p><b>Leave issues:</b></p> <p><b>(a)</b> Employed research scholars, who take up MS by Research Programme on a full-time basis, shall produce a NOC certificate from their employer-organization(s) with a sanctioned study leave of a minimum period of <i>three</i> or two years with full salary.</p> <p><b>(b)</b> Research scholars not having employment who take up MS by Research Programme on a full-time basis shall be forbidden from taking up any employment during the study period. However, they can apply for scholarships/fellowships/stipends, if any, with intimation to University.</p> <p><b>(c)</b> Foreign research scholars shall hold valid passport/visa, clearance from MHRD, and other agencies as mandated by the GOI throughout the duration of the course.</p>
		<b>1.2.10</b>	In case, any information provided by the research scholar is found to be false, the research scholar may be debarred from the MS by Research program at any stage.
		<b>1.2.11</b>	<p><b>Validity Period of Registration:</b> During the period when the registration of the research scholar is in force, the research scholar shall pay the prescribed tuition and other fees to the University at the notified time intervals.</p>
		<b>1.2.12</b>	<p><b>Prescribed fees</b> for registration/admission / academic, course work examinations, fees for dissertation evaluation and Viva-Voce schedule, submission of periodic progress reports, change of topic and /or Supervisor, submission of thesis, calendar of events for MS by Research program and such other matters relating to any of the above shall be governed by the administrative orders issued by the University from time to time.</p>
	1.3 Monitoring		<p><b>Monitoring process:</b> The monitoring process regarding the progress of the research scholar involves a review of Coursework and Thesis submission.</p>
		<b>1.3.1</b>	<p><b>MS by Research program:</b></p> <p><b>(a)</b> After registration to the MS by Research program, the candidate is required to do the following:</p> <ol style="list-style-type: none"> <li>1) Part-I: Coursework – Research scholars need to successfully complete the course work recommended by supervisors as specified in 1.3.2(i).</li> </ol>

			<p>2) Part-II: Thesis submission- Research scholars need to submit final thesis for the award of MS by Research degree.</p> <p><b>(b)</b> A research scholar shall be free to apply for a change in the Research topic / Coursework for the consideration to the RRC.</p>
		<b>1.3.2</b>	<p><b>Course Work (Part-I):</b></p> <p>(a) Research scholar shall choose courses from the list of courses announced by the University and successfully complete the course work with at least minimum pass marks prescribed by the University.</p> <p>(b) A research scholar from the Engineering Studies stream is required to choose a Minimum of <i>SIX</i> courses. The RRC may recommend some extra courses for a particular Research scholar, if necessary.</p> <p>(c) All the Research scholars shall submit their applications along with the prescribed fees for the examinations in the individual courses of Coursework in response to the notifications.</p> <p>(d) Research scholars may register for MOOC courses and seminar courses as a part of their course work, as may be suggested by the RRC from the list courses recommended by the RPC as per the University rules.</p>
		<b>1.3.3</b>	<p><b>Progress seminars: Conducted as per Calendar of Events for MS by Research programs-</b></p> <p>Research scholar needs to present progress seminars to RRC twice a year during the period of MS by Research program. These seminars are open to all the faculty members and research scholars.</p>
		<b>1.3.4</b>	<p><b>Mandatory Publications Requirement</b></p> <p>Each candidate shall publish a minimum of <b>ONE</b> research paper in a refereed journal (SCI-indexed) indexed by Web-of-Science or Scopus before Submission of the Thesis for adjudication, and produce evidence for the same in the form of reprint or acceptance letter from the Publisher(s).</p>
		<b>1.3.5</b>	<p><b>Permission for Submission of Thesis:</b></p> <p>After the successful completion of Coursework (Part-I) and a minimum of ONE publication in a refereed journal indexed by Web-of-Science or Scopus (SCI-indexed), the RRC shall recommend the Submission of the Thesis.</p>
		<b>1.3.6</b>	<p><b>Minimum Period for Submission of Thesis</b></p> <p>(a) For Full-Time research scholars: Full-Time research scholar for the MS by Research Degree shall normally be eligible for submission of the thesis after a minimum period of <i>TWO</i> years from the date of provisional registration, subject to fulfillment of all the prescribed requirements.</p> <p>(b) For Part-time research scholars: Part-Time research scholar for the MS by Research Degree shall normally be eligible for submission of the thesis after a minimum period of <i>THREE</i> years from the date of provisional registration, subject to fulfillment of all the prescribed requirements.</p>
		<b>1.3.7</b>	<p><b>Maximum Period for Submission of Thesis</b></p> <p>(a) For Full-Time research scholars: The maximum period for Submission of the Thesis by Full-Time research scholar shall be <i>THREE years</i> from the date of provisional registration with provision for a one-year extension with the recommendations of RPC.</p> <p>(b) For Part-time research scholars:</p>

			The maximum period for Submission of the Thesis for Part-Time research scholar shall be <i>FOUR</i> years from the date of provisional registration with provision for a one-year extension with the recommendations of RPC.
		<b>1.3.8</b>	The research scholar shall pay the prescribed Thesis submission fees, and produce the “No Dues Certificates” from the School while submitting the thesis.
		<b>1.3.9</b>	<p><b>Plagiarism Issues:</b></p> <p><b>1. Anti-plagiarism check and submission of the thesis:</b></p> <p>a) The research scholar’s thesis shall undergo a plagiarism check as per the IEEE plagiarism rules.</p> <p>b) After getting the clearance of <b>the Anti-plagiarism check</b> from the RPC/RRC, the research scholar shall submit <i>SIX</i> hard copies and <i>ONE</i> soft copy of the thesis in the prescribed format.</p> <p><b>2. Complaints of Plagiarism:</b></p> <p>a) The Vice-Chancellor shall have the powers to constitute Expert Committee to investigate into plagiarism issues connected with any Thesis submitted to the University, in the case of receipt of any complaints either from the Adjudicator(s), other individuals or any other sources.</p> <p>b) If the plagiarism is detected, then the registration of such a research scholar is canceled.</p>
	1.4 Evaluation		<b>Evaluation Process:</b> Evaluation process involves eligibility check to submit Thesis, Plagiarism issues, the conduct of final Viva-Voce for the award of Degree.
		<b>1.4.1</b>	<p><b>Selection and appointment of Adjudicators for evaluation of the thesis:</b></p> <p>(a) <b>Selection of Adjudicators:</b> The School/Department/Research Centre shall arrange to send <i>FOUR</i> hard copies and <i>ONE</i> soft copy of the Synopsis along with a proposed panel of <i>FOUR</i> experts. The complete postal address, e-mail ID, Telephone and fax numbers, and the broad area of specialization of each proposed Adjudicator shall be provided along with the panel submitted. The Vice-Chancellor shall choose <i>ONE Adjudicator</i> from the suggested panel for adjudication of the thesis and send an invitation letter to him/her along with a copy of the thesis.</p> <p>(b) The University shall arrange for the thesis to be evaluated by the Research Supervisor(s) and <i>ONE</i> more Adjudicator identified within <i>three</i> months from the date of Submission of Thesis, before taking further steps.</p>
		<b>1.4.2</b>	<p><b>Receipt of Thesis Reports</b></p> <p>All the Adjudicators shall evaluate the thesis and send their Reports. The Adjudicators shall make any one of the following recommendations with the report:</p> <ol style="list-style-type: none"> <li>1. That the thesis is accepted in the present form and recommended for the award of MS by Research Degree, OR</li> <li>2. That the thesis needs minor clarifications indicated in the report which need to be clarified by the candidate at final Viva-Voce and it is recommended for the award of MS by Research Degree, OR</li> </ol>

			<p>3. That the thesis needs major revision and recommend for resubmission, OR</p> <p>4. That the thesis is rejected.</p>
		<b>1.4.3</b>	<p><b>Consideration of Thesis Reports :</b></p> <p><b>Acceptance of Thesis:</b> On receiving favorable recommendations from all the Adjudicators, including the Research Supervisor(s), the Controller of Examination shall convey the same to the Research Supervisor (s) and Head of the School along with (a copy to RPC) copies of the Reports received and request to conduct the final Viva Voce of the research scholar as scheduled.</p>
		<b>1.4.4</b>	<p><b>Conduct of final Viva-voce and preparation of Consolidated Reports</b></p> <p>After successful completion of the Viva Voce, the Viva Voce Committee shall prepare and forward the Consolidated Report along with a duly corrected version of both the hard and the soft copies of the thesis through the School to the CoE. The CoE shall present the Consolidated Report to the Academic Council.</p>
		<b>1.4.5</b>	<p><b>Award of MS by Research degree :</b></p> <p>(a) <b>Degree Certificates:</b> Upon the approval by the Academic Council, the University shall issue a Provisional MS by Research Degree Certificate to the research scholar certifying that the Degree has been awarded in accordance with the <b>Regulations Governing the MS by Research Programme.</b> The University shall confer the MS by Research Degree to the successful scholars during the forthcoming Convocation.</p> <p>(b) <b>Copy right:</b> University shall hold the copyright of the thesis submitted to it.</p>
		<b>1.4.6</b>	<p><b>Submission of Thesis to UGC:</b></p> <p>Following the successful completion of the evaluation process and announcement of the award of the MS by Research Degree, the Registrar shall submit a soft copy of the thesis to the UGC within a period of <i>THIRTY</i> days, for hosting the same on its Information and Library Network, accessible to all the Institutions / Universities. The University shall also maintain a repository of such thesis in its Library.</p>
	1.5 Research supervisor(s)		<p><b>Recognition of Supervisors:</b> Procedure for recognition of research supervisor(s), modalities and functioning</p>
		<b>1.5.1</b>	<p><b>1. Supervisor</b></p> <p>a) Persons seeking recognition as a Supervisor shall apply in the prescribed format to RPC for their recognition as a Supervisor through the Head of the School.</p> <p>b) The Supervisor seeking to supervise research scholars shall possess BE/B. Tech as a basic Degree in the relevant field to supervise MS by Research scholar in the Faculty of Engineering.</p> <p>c) A supervisor shall possess PhD in the relevant field of Faculty awarded by recognized Universities.</p> <p>d) The following acts of research Supervisor may lead to disqualification of Supervisor from guiding any research scholars:</p> <p>i) Influencing the external examiner to write a favorable report on the thesis.</p> <p>ii) Making effort to intervene in external examiners evaluation work.</p>



			<p>iii) Writing thesis valuation reports on behalf of external examiners and making arrangements to send such reports from External Examiners.</p> <p><b>2. Co-Supervisor:</b> A supervisor as mentioned above or an MTech graduate with 10 years of Industrial experience in the relevant field</p>
		<b>1.5.2</b>	<p><b>Remedial Clause:</b> Notwithstanding any of the clauses in the regulations 1.5.1, the Vice-Chancellor shall be empowered to make suitable decisions based on the merit of the individual cases.</p>
		<b>1.5.3</b>	<p><b>The functioning of Research Supervisor:</b></p> <p>(a) There shall be a possibility for assigning a Research Supervisor(s) to supervise a research scholar registered for MS by Research degree at a School as decided by the Admission Committee.</p> <p>(b) Supervisor(s), maybe assigned from a School other than that where the research scholar has registered for MS by Research.</p> <p>(c) No person shall function as Supervisor for his/her blood relative or spouse for MS by Research, as defined by the University.</p>
		<b>1.5.4</b>	<p><b>Number of Research scholars</b></p> <p>The following norms/procedures shall be strictly adhered to while assigning the Research Supervisors to the Research scholars admitted with recommendations of RPC and forwarded through the School:</p> <p>(a) Each Research Supervisor shall supervise not more than 08 (EIGHT) research scholars, (including reservation category) at a time including the research scholars who have registered for Ph.D./MS by Research degree at other Universities (acceptance for the supervision of Ph.D./MS by Research scholars at other Universities shall be with the written permission of the University). Maximum number can be up-to 10 including co-guideship.</p> <p>(b) The research scholars of a Research Supervisor who have completed the final Viva-Voce shall not be considered while counting the number of research scholars assigned to a Research Supervisor.</p> <p>(c) A Research Supervisor shall not be assigned more than <i>TWO</i> newly admitted research scholars during an academic year.</p> <p>(d) Under special circumstances, the admission committee may recommend for assigning up to <i>FOUR</i> research scholars to a supervisor with proper justification. This extraordinary case shall be exercised carefully by the RPC with approval by the Vice-Chancellor.</p>