

K L UNIVERSITY
Regulations for M.Tech (By Research)
And
Subsequent Conversion into Ph.D Program

1. Educational Qualification:

- a) Bachelor's degree in Engineering/Technology with First Class or Master's degree in Science or Master's degree in Computer Applications (with Physics & Mathematics at Bachelor's level) with a first class (CGPA 6.5 on a 10 – point scale).
- b) Associate membership of the following professional bodies with a pass in both Parts A & B with 65% marks. (Such candidates are eligible for admission to M.S. (By Research) Programme in their parent discipline. Their eligibility for other disciplines will be decided on a case-to-case basis).
 - The Institution of Engineers (India)
 - The Aeronautical Society of India
 - The Indian Institute of Metals
 - The Indian Institute of Chemical Engineers
 - The Institution of Electronics and Telecommunication Engineers

2. Selection Procedure:

- a. Applications will be invited by open advertisement in all leading News papers
- b. Out of the applications received, the departments will short-list the candidates to be called for written test and interview to be conducted at the Institute on a pre-announced date.
- c. Selection will be based on the overall merit index of the candidate which will be arrived at by taking into account the candidate's performance in the previous university examinations at Bachelor's and Master's level and the performance in the written test and/ the interview.

The weightages for arriving at the overall merit index will be as follows:

- (i) For candidates with Bachelor's degree in Engineering/Technology or Associate Membership
Bachelor's degree or Associate membership Exam-40%
Written test and / Interview-60%
- (ii) For candidates with Master's degree in Science/Computer Applications
Bachelor's degree – 20 %
Master's degree – 20 %

Written test and / Interview – 60 %

Candidates with a valid GATE score tenable for the current year may be exempted from the written test requirement and will be given preference in admissions.

3. Admission:

- a) Candidates whose selection is approved based on the written test will be admitted to M.Tech (By Research) programme after payment of prescribed fees.
- b) The candidates admitted to M.Tech (By Research) programme will apply for registration for M.Tech (By Research) programme in the prescribed form within one month from the date of admission.
- c) Ordinarily, a candidate whose registration for M.Tech (By Research) degree has been cancelled for any reason, will not be eligible for re-registration. However, based on the merits of the individual case, and taking into consideration any special circumstances, a candidate may be considered for re-registration.

4. Orientation Programme:

Immediately on admission, the students are expected to undergo an orientation programme in the concerned School/Centre. This programme is intended to familiarize the new students with research activities in the School/Centre and establish rapport with the faculty

5. Nature:

The program will be offered on a full time basis. The candidates shall be available during the working hours for Curricular, Co-Curricular and other related activities.

6. Minimum period:

- 6.1.** The Minimum period of study and research required from the date of registration to the date of submission of the thesis shall be 2 Academic Years or 4 Semesters
- 6.2.** Special cases if any would be looked into by the Research Board of the University upon the recommendation of Monitoring committee.

7. Maximum Period:

- 7.1.** Research Scholars should submit the thesis within 2 ½ years from the date of registration.

7.2. The registration of the scholar who has not submitted his/her thesis by the end of extended period will be cancelled, without giving any further notice.

8. Monitoring Committee:

8.1. There shall be a committee for every scholar to monitor the progress of the research work of the scholar.

8.2. The committee shall consist of the following:

Head of the Department - Chairman

Supervisor - Convener

Two Experts with Ph.D of the Scholar
one from outside the University - Member

8.3. If HOD happens to be the supervisor, Dean (AR) will appoint another faculty as Chairman from the list suggested by HOD.

8.4. If a member of the committee is away from his/her place of work for a longer period, HOD shall appoint an alternate member.

9. Program Structure:

The program consists of 2 parts, Course Work and Research Work.

Course Work: Monitoring committee will prescribe the course work and intimate the same to the scholar at the time of registration

9.1 A minimum of 5 core courses including a course on Mathematics relevant to the area of research and offered under any approved PG Program of the University shall be recommended by the monitoring committee

9.2. Any course/courses already passed by the scholars shall not be repeated.

9.3. Scholar should attend the classes along with PG student, whenever possible and will be evaluated in the same relative grading scale of the course.

9.4. No change in the course work prescribed shall be made without the approval of the monitoring committee.

9.5. Prescribed course work shall normally be completed within one year from the date of registration.

9.6. Scholar should undertake one special elective, confined to his area of research.

9.7. A scholar should secure a CGPA of 6.5 in the course work.

Course Structure

SEMESTER-1

S.No	Course	L-T-P	Credits
1	Core Subject-1	3-0-0	3
2	Core Subject-2	3-0-0	3
3	Mathematics	3-0-0	3
4	Research Methodology	2-0-0	2
5	Term Paper	0-0-6	6
Total			17

SEMESTER-2

S.No	Course	L-T-P	Credits
1	Elective-1*	3-0-0	3
2	Elective-2*	3-0-0	3
3	Mini Thesis work	0-0-12	12
Total			18

Confined to Research Area*

3rd & 4th Semesters- Final Thesis – 30 Credits

Total – 65 Credits

On the successful completion of prescribed Course Work, as evidenced by the grade sheet issued by the Controller of Examinations, the Monitoring committee will conduct a oral examination for the scholar to test his/her background Knowledge in the broad area of research. The result of the oral examination will be directed to the Dean (AR) for confirmation of Provisional registration and to proceed further with his/her research work.

Research Work:

The thesis shall report in an organized and scholarly fashion, an account of original research work of the scholar leading to discovery of new facts or techniques or correlation of facts already known (Analytical, experimental, hardware oriented etc) and demonstrating a quality contribution to the advancement of knowledge as well as the scholar's ability to undertake sustained research.

The research work can be taken-up within the University by associating himself/herself with an on-going project of the department.

(Or)

Individually

(Or)

During the course of the program for reasons stated by the supervisor and forwarded by the HOD, a scholar shall be permitted to spend upto one year in an institution or organization or a project approved for the purpose, outside the University for carrying out research related to his/her area.

The scholar who carried-out research outside the University in the institutions recognized by KLU, such as DRDO, NALCO, ISRO, BHEL, etc. shall submit the synopsis only after a minimum of one month on his/her return.

9.8. No. of credits for the research work are 30

9.9. The scholar shall attend at least one Seminar/Conference/Workshop during the entire program.

9.10. The scholar shall publish at least one paper in 2nd Semester and one in 2nd year or accepted for publication in a refereed impact factor Journal.

10. Synopsis:

10.1. The scholar shall submit copies of the synopsis of his/her work prepared in accordance with the format and specifications prescribed by the University to the Monitoring Committee through the supervisor.

10.2. The Monitoring committee approves the research work reported in the synopsis, a seminar is to be given by the scholar, which is open to all.

11. Thesis:

11.1. 3 Copies of the thesis shall be prepared in accordance with the format and specifications prescribed by the university.

11.2. Thesis shall be submitted within one month from the date of approval of Synopsis.

11.3. Thesis shall be evaluated by two examiners nominated by Dean(AR) from the panel suggested by monitoring committee.

12. Viva-Voce:

12.1. On receipt of the evaluation report, monitoring committee will recommend a Panel of 3 experts from different recognized institutions within India, which include the members of evaluation.

12.2. Dean (AR) will appoint one expert as an examiner.

12.3. If it is necessary, Dean (AR) shall nominate a member outside the panel.

13. Constitution of Viva-Voce examination Board:

Following is the constitution:

One examiner of the thesis	- Member
Supervisor	- Convener
Dean (AR)	- Chairman
Dean (Academics)	- Invitee

14. Award of M.Tech (By Research) Degree:

If the report of the Viva-Voce is satisfactory, the scholar shall be awarded with the degree with the approval of VC, duly recommended by Viva-Voce committee forwarded by HOD and Dean (AR)

15. Publication of Thesis:

Papers arising out of the Thesis may be published by the scholar and the Supervisor. However the Thesis as a whole shall be published by the scholar with prior approval of the Vice-Chancellor.

16. The Act of Plagiarism:

16.1 In the case of scholars who have committed the act of plagiarism, his/her Thesis /Degree shall be forfeited and his/her research registration shall be cancelled and also he/she shall be debarred to register for any other programme in the University.

16.2 For the abetment of above such action, the recognition of his/her Supervisor ship shall be with drawn for a period of five years and he/she shall be debarred from guiding the scholars for any research programme in the University till such period.

17. Power to Modify:

Not with standing all that has been stated above, the Academic Council has the right to modify any of the above regulation from time to time.

18. Fee:

Tuition fee per Semester is Rs.25,000/-

19. Conversion to Ph.D:

After a review by the Department research Committee, the students showing excellent performance and having scored a minimum of 8.0 CGPA (over all) can be considered for getting registered in the Ph.D programme. The conversion is

subject to the minimum qualifications laid down for the admission in the Ph.D programme. The date of conversion will be considered as the date of registration in the Ph.D programme and thereafter he will be governed by the rules and regulations applicable for the Ph.D students. Conversion to Ph.D will be on the basis of application from interested student, which has been recommended by the Monitoring Committee and approved by the Vice-Chancellor.

20. Fellowship:

A Fellowship of Rs.16000/- per month will be offered if the Ph.D Program is taken-up on a Full-Time Mode.