

ACADEMIC GUIDELINES 2020

MS by Research Programme



3. MS by Research Programme

This program is presently offered by the Centre of Excellence in Space Sciences India (CESSI). But other departments may also offer this programme. The following are the details of the program run by CESSI, and will be updated as and when other departments decide to offer this programme.

3.1 Introduction: The Center of Excellence in Space Sciences India (CESSI) is a Center of Excellence (CoE) funded by the Ministry of Human Resource Development under the Frontier Areas of Science and Technology Scheme (FAST) programme of the Government of India. These CoEs are expected to offer post-graduate and doctoral programmes that combine a unique blend of basic sciences and engineering sciences allowing integration of fundamental knowledge while developing proficiency in research. In keeping with this mandate and to support fundamental and applied national research in space sciences CESSI runs an ‘MS by Research’ program to attract qualified and motivated engineering (BE/BTech) students to scientific research.

3.2 Selection Process:

Based on the evaluation of applications following an admission call, some candidates are short-listed and called for interview. Recommendation letters may be sought for short-listed candidates. Final selection is based on the performance in the interview, academic background of the candidate and any other criterion determined by the selection committee. No candidate may be selected if suitable candidates of sufficient quality are not found.

3.3 Details:

- i. Name of the Programme: MS by Research
- ii. Duration: 2 years (4 semesters)
- iii. Eligibility: BE/BTech Graduates (satisfying declared eligibility criteria in the admission call)
- iv. Total Credit: 78
- v. Fellowship: As per Government norms

3.4 List of Courses and Semester Structure: Please refer to the ‘Courses of Study’ document in the Institute’s website homepage under ‘Academic’ tab.

Note: Candidates will have to clear any failed courses in the supplementary examination to be eligible for award of the ‘MS by Research’ degree. Fellowship is contingent upon maintenance of a CGPA of 6.0 or above and no backlog.

3.5 Promotion Policy:

Please refer to the promotion policy of the BS-MS Academic Guidelines.

3.6 Termination of studentship:

Please refer to the promotion/termination policy of the BS-MS Academic Guidelines.

3.7 Thesis Submission:

- i. The PGAC of CESSI will administer the MS by Research Program offered by CESSI and will monitor the progress of each student. A student of this Programme will be associated with a specific faculty member or a research group, as recommended by the PGAC.
- ii. At the end of two years, a dissertation will have to be submitted by the student. The dissertation will be evaluated by the supervisor of the student and two examiners (one of them from outside the IISER-K). If the dissertation is found acceptable, the candidate will have to

defend it through a seminar, conducted before a committee of examiners as well as other interested listeners.

- iii. The deadline of thesis submission should be around 10 April, which will allow one month's time for the thesis evaluation by external reviewers. The external reviewer will be intimated a month in advance regarding the proposed date of viva voce. In case of inability of the reviewer to physically come to the Institute, online presentation may be arranged.
- iv. The format of the MS Project Report will be the same as prescribed for the BS-MS students.

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