

2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The spirit of MCA programme resides in the objectives of this programme itself i.e. developing students' capabilities into professional talent in the software development arena. The emphasis is on inculcating skills through an optimum blend, self-discipline, guidance and supervision. The students become well versed in analyzing, designing and developing applications to solve computer science related problems. Learning outcome of this programme delves in making learner well proficient in integrating and applying the contemporary IT tools to solve problems efficiently and develop computer applications. Preparing students to function effectively both as a team leader and team member on multi-disciplinary projects and to enable them demonstrate computing and management skills are implicit learning outcomes of the MCA programme.

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

The attainment of programme outcomes is ensured by implementation of a process for the evaluation of students as per the rules and regulations of the Vishwavidyalaya framed by different committees and then passed by Board of Studies and Academic Council. The implementation of the syllabi upgradation and amendments, if any, in the process of evaluation of the learners are monitored by the Board of Studies and Academy Council. Internal assessment is the requirement of the continuous assessment and is essential for the fulfillment of the course outcomes and programme outcomes. Our department promotes faculty to equip themselves with latest developments in the computing field for the benefit of students. Faculty members organize and attend workshops, seminars and conferences etc.

Modes of assessment used for rating learners' performance in a theory course includes Internal Assessment and End Semester Examination. The assessment in a laboratory course is based on regular supervision of the learner's work, her/his performance in viva-voce examinations, the quality of their work as prescribed through laboratory work and an end semester test that contains performing an experiment if practical examination is mentioned. Seminars are evaluated based on a written report, and/ or an oral presentation before a panel of internal examiners appointed by Head of Department.

The supervisor and/or co-supervisor, when involved, are part of the panel. The grade for Seminar can be awarded only after successfully completion of Term Work, if any, and Oral Presentation as per the curriculum manual of the programme. The evaluation of the seminars is completed before the commencement of the end semester examination. Mini- Project - I, Mini- Project – II, Mini- Project - III and Mini- Project - IV are separately graded, at the end of

the respective semesters. These mini- projects are supervised or guided, and need regular interaction (at least once a Exercise) with the supervisor/ guide. Dissertation evaluation is conducted by pair of Internal and External examiners appointed by Vishwavidyalaya.

MCA Program Educational Objectives (PEO's)

- PEO1 To provide opportunities for acquiring in-depth knowledge of fundamental concepts and programming skills for holistic development.
- PEO2 To apply learning methods and skills to solve industry oriented problems and to do innovative work.
- PEO3 To develop the abilities to develop the challenges of career opportunities in computer application.
- PEO4 To develop self- discipline human and with strong ethical values.
- PEO5 To learn and follow Gurukula system of education and work as responsible team member in software industry.

MCA Program Outcomes (PO's)

- PO1 Develop an ability to apply knowledge in the computing discipline.
- PO2 Develop ability to design and conduct hands-on trainings and develop minor and major projects.
- PO3 Develop ability to analytical reasoning for solving time critical/ hard problems.
- PO4 Develop ability to learn and use latest technology, techniques, models and practices for computing environment.
- PO5 Develop good communication skills.

MCA Program Specific Outcomes (PSO's)

- PO1 Develop an ability to apply knowledge in the computing discipline.
- PO2 Develop ability to design and conduct Practicals and develop minor and major projects.
- PO3 Develop ability to analytical reasoning for solving time critical/ hard problems.
- PO4 Develop ability to learn and use latest technology, techniques, models and practices for computing environment.
- PO5 Develop good communication and presentation skills.