



B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19

Autonomous Institute, Affiliated to VTU

Annual Quality Assurance Report 2019-2020 (AQAR)

Period - 01.06.2019 To 31.05.2020

7.3.1 Details of the performance of the Institution in one area distinctive to its vision, priority and thrust

The vision statement of the institution is 'Promoting prosperity of mankind by augmenting human resource capital through quality technical education and training'. The institution follows a good number of educational practices. One such practice was the online mode of all academic activities during the pandemic period. This was a challenge for the teachers as well as the students to rise to the occasion to embrace quality education in such circumstances.

The departments are well equipped with modern state of the art facilities in the classroom with Smart Board and lecture capture system. Students were attending live lecture session from their home while faculties were teaching from college. Faculty members used PenTabs like E-scribe, Wacom to write like on a whiteboard and teach live sessions to students during the total lockdown period. Hence it was well managed to protect the learning sessions for the students. Online classes were conducted using platforms like WebEx, Google Classroom, Zoom, GotoMeeting etc.

BMSCE acquired licenses to sponsor the students to take courses through Coursera (5000 licenses), edX (5000 Coupons), Future Learn (free digital upgrade), Udemy (coupons), etc. to supplement the teaching. MHRD Virtual labs/ NPTEL/Swayam platforms were also used to complement the online teaching. Online classes also included virtual lab platforms like V-lab Laboratory of NIT-K and Amrita Viswavidyapeetham to demonstrate applications of theory classes. In few courses, the laboratory sessions were video recorded by the instructor/subject teacher and shared with students.

Online CIE for UG and PG students were conducted successfully using Learning Management system (Google classroom). CIE were conducted by preparing 3 sets of question paper for UG and 2 sets of question paper for PG. The papers were assigned to students in randomized manner to ensure ethics.

All the Final Semester Students for both UG and PG were evaluated through Proctored Online Semester End Examination for the even semester 2019-20. For the slow learners of final semester (UG and PG), online preparatory classes was conducted for about 15 days in order to clear their doubts before they appear for their final semester end examination.

e-Library resources were also made available in the college website. Faculty hosted several webinars, events, workshops, FDPs & Placement training. Project work evaluation (UG/PG) was done online for the final year students. PhD research scholar comprehensive viva and PhD defense, open seminars were also conducted online.

Thus the performance of the institution to promote quality technical education and training during the pandemic period was well accomplished. The online teaching platforms, virtual laboratories, learning management systems for conduction of tests and proctored online semester end examinations were a success. Access to library resources and conduction of several events for knowledge enhancement for the faculties was also possible on the online mode. The project work and the PhD evaluation were possible and successfully done through the online platforms.

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