Department of Computer Science

Curriculum Feedback Analysis and Action Taken Report

AY 2018-19

CHRIST (Deemed to be University), Bangalore – 29.
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About the Department

Department of Computer Science of CHRIST (Deemed to be University) strives to shape outstanding computer professionals with ethical and human values to reshape nation's destiny. The training imparted aims to prepare young minds for the challenging opportunities in the IT industry with a global awareness rooted in the Indian soil, nourished and supported by experts in the field.

Vision and Mission

Vision: The Department of Computer Science endeavours to imbibe the vision of the University "Excellence and Service". The department is committed to this philosophy which pervades every aspect and functioning of the department.

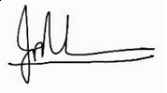
Mission: To develop IT professionals with ethical and human values. To accomplish our mission, the department encourages students to apply their acquired knowledge and skills towards professional achievements in their career. The department also moulds the students to be socially responsible and ethically sound.

Curriculum Feedback Process

At the end of the every Academic Year, the feedback will be taken from all the stake holders to enhance the quality of education with effective curriculum structure to cater the needs of all the stakeholders. The stakeholders were requested to submit their feedback based on the criterion as mentioned below with a rating scale of 5.Excellent 4.Good 3.Satisfactory 2.Averag and 1.Needs to Improve. In addition, the suggestions for the curriculum enrichment were also collected.

Student Feedback

SNO	CRETERION
1	Does the content of the curriculum satisfy the stated objectives and learning outcomes?
2	Does the curriculum cover advanced topics?
3	Whether the curriculum enhances your knowledge and skills in the relevant domain?
4	Is the curriculum effective in developing critical/ analytical thinking?
5	Are the text books and reference materials relevant to the content of the curriculum?
6	Does the curriculum orient towards higher education?
7	Does the curriculum enable the students to apply their knowledge in real life situations?
8	Is employability given weightage in the design and development of curriculum?
9	Does the curriculum promote self-study and attitude of research?
10	Does the curriculum meet your overall expectations?



Faculty Feedback

SNO	CRETERION
1	Does the curriculum satisfy the stated objectives and learning outcomes?
2	Do you have continuous processes to propose, modify, suggest and incorporate new topics in the curriculum?
3	Is the curriculum effective in developing independent thinking?
4	Does the departmental level expert committee meet to review the curriculum?
5	Does the curriculum enhance your knowledge in the subject area?
6	Does the curriculum enable the students to apply their knowledge in real life?
7	Does the curriculum demand the teachers for research inclusive teaching?

Alumni Feedback

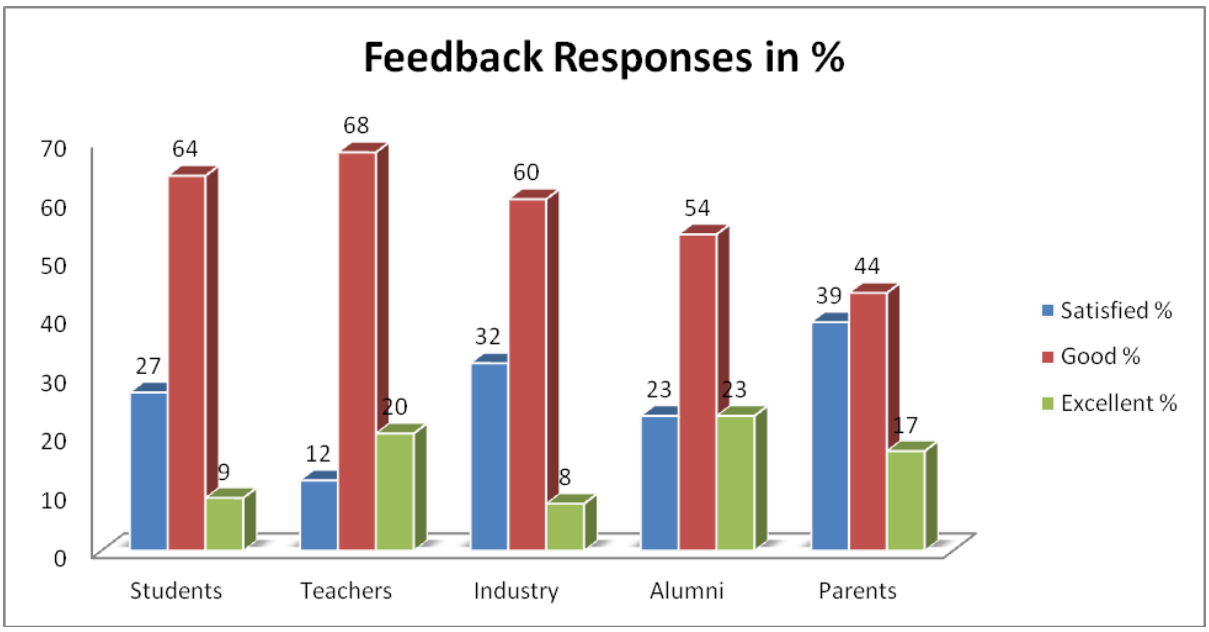
SNO	CRETERION
1	Is the curriculum updated on a regular basis depending on the current trends and advanced topics?
2	Does the curriculum orient the students towards higher education?
3	Does the curriculum provide employability weightage?
4	Does the curriculum meet the expectations of the industry?
5	Does the curriculum enable the student to connect the knowledge to real life application?
6	Does the curriculum encourage entrepreneurship?
7	Do you think that the curriculum motivates the students for research and development?

Industry Feedback

SNO	CRETERION
1	Is the curriculum aligned with the objectives of the programme?
2	Does the curriculum cover advanced topics and current trends?
3	How would you rate the relevance of the electives offered in the curriculum?
4	Is employability given weightage in the design and development of curriculum?
5	Does the curriculum meet the expectations of the industry?
6	Does the curriculum cater to the enhancement of skills of the students with respect to the industry needs?

Feedback Analysis Report for AY 2018-19

To facilitate the feedback process, the feedbacks from the stakeholders were collected through online / offline modes (as applicable). The responses were categorised (in percentage) based on their rating as mentioned in the following graph.



From the responses, the majority of the students expressed that the curriculum is good to enhance their employability skills with the latest trends and technologies in IT. The response of the faculty shows that the effectiveness of the curriculum structure is above the satisfactory level. The feedback and suggestions from our Alumni is always significant, as their suggestions increase the scope of introducing new courses related to contemporary areas. From the responses of the Alumni, it realized that the curriculum structure is good. Also, they suggested introducing more software development tools which are in demand in the Industry. In the same way the Industry experts also felt that the curriculum is fare enough to increase the opportunities of employment. The scores shows that, the Parents also satisfied with curriculum which facilitates the needs of their wards for their higher studies and employment.

Suggestions Provided by the Stakeholders:

Some students were mentioned that, emphasis should be given on practical implementation of concepts of core computer science courses. Also, few students suggested that, the assignment and other CIA components should include more aspects of critical thinking and practical implementation. Some of the Alumni and Industry experts suggested to introduce the latest verticals on cyber security, econometrics, etc., Some of the faculty members suggested their course for the revision and proposed new elective courses to be introduced.

Action taken report based on feedback for AY 2018-19

Based on the feedback analysis for the academic year 2018-19, the suggestions received from the Stakeholders were critically discussed in academic committees of the department and reviewed. Based on the suggestions and recommendation, the following changes have been proposed and discussed in the Board of Studies meeting held on February 4, 2020.

The following core and new elective courses have been revised with incorporation of practical components along with theory for the PG (MCA, MSc (CS), MSc (DS) and MSc (CSA)) Programmes from the AY 20-21.

MCA171 – Web Technologies, MCA371 – Java Programming, MCA372 – Unix Programming, MCA471 – Mobile Applications, MCA571 – Cloud Computing, MCA572 - .Net Technologies, MCA472A – Digital Image Processing, MCA472B – Software Quality and Testing, MCA472C –Data mining, MCA472D – NoSQL, MCA472E – User Interface and User Experience Design, MCA472F – Linux Administration, MCA573A – Information Reterival and Web Mining, MCA573B – Database Administration, MCA573C – Neural networks and Deep Learning, MCA573D – Artificial Intelligence, MCA573E – Business Intelligence, MCA573F – Bio Informatics, MCA573G – Data Visualization, MCS273A - Digital Image Processing, MCS273D – NoSQL, MCS273E - User Interface/User Experience (UI/UX Design), MCSA131 – Programming in Java, MCSA233 – Advanced Operating System. MDS 271 – Machine Learning and MDS341C – Econometrics

The new elective courses with lab components were introduced in UG (BSc and BCA) Programmes

CSC541C – Business Intelligence
CSC541D – Digital Image Processing
CSC542D – Graphics and Animation
BCA 542C – Cyber Security
BCA641D – Internet of Things
BCA631 – Machine Learning