



**CHRIST**  
(DEEMED TO BE UNIVERSITY)  
BANGALORE · INDIA

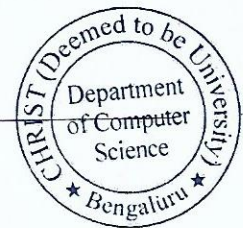
## Department of Computer Science

# Curriculum Feedback Analysis and Action Taken Report

**AY 2021-22**

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CHRIST (Deemed to be University), Bangaluru – 29.  
Karnataka, India  
[www.christuniversity.in](http://www.christuniversity.in)



## 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.

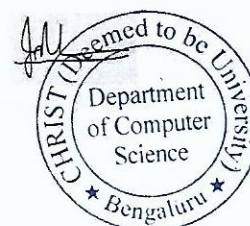
**Mission:** To develop IT professionals with ethical and human values. To accomplish our mission, the department encourages students to apply their acquired knowledge and skills towards professional achievements in their career. The department also moulds the students to be socially responsible and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



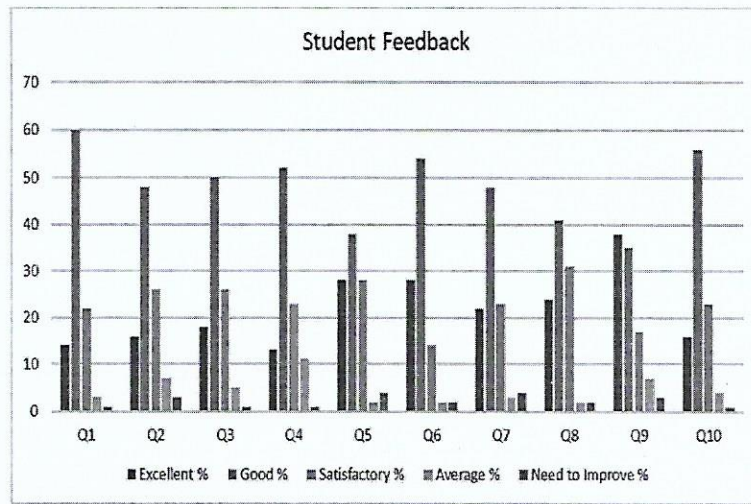
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## Feedback Analysis Report for the AY 2021-22

To facilitate the feedback process, the above questions were included in a Google form and sent to the stakeholders to submit their responses with suggestions.

### Students Feedback:

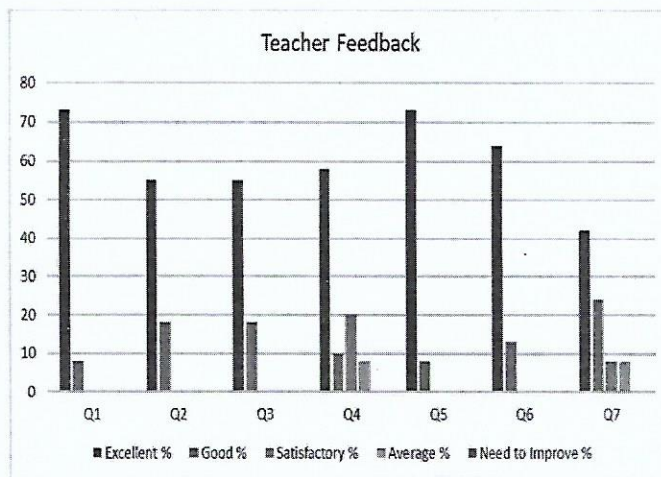
The following graph shows the responses received from the final year students of all the UG and PG programmes of the department.



The responses were mentioned as number of students based on their rating assigned to different questions. 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.

### Teacher Feedback:

The following graph shows the responses received from the 30 faculty of the department.



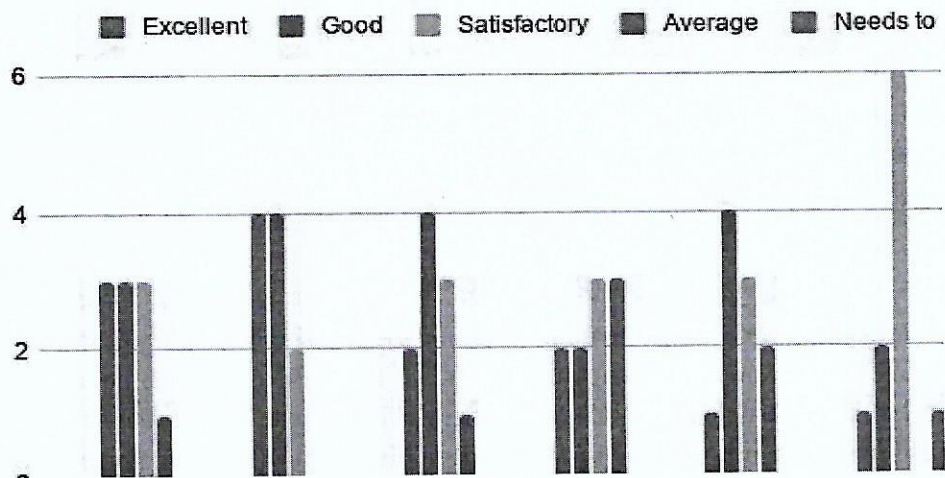


The scores of the faculty's shows that the effectiveness of the curriculum structure above the satisfactory level.

**Alumni Feedback:**

The feedback and suggestions from our Alumni is always significant, as their suggestions increasing the scope for introducing new courses related to contemporary areas. The following graph depicts the views of the alumni on our curriculum. From the responses of the Alumni, it realized that the curriculum structure is satisfactory and good. Also, they suggested introducing more software development tools which are in demand in the Industry.

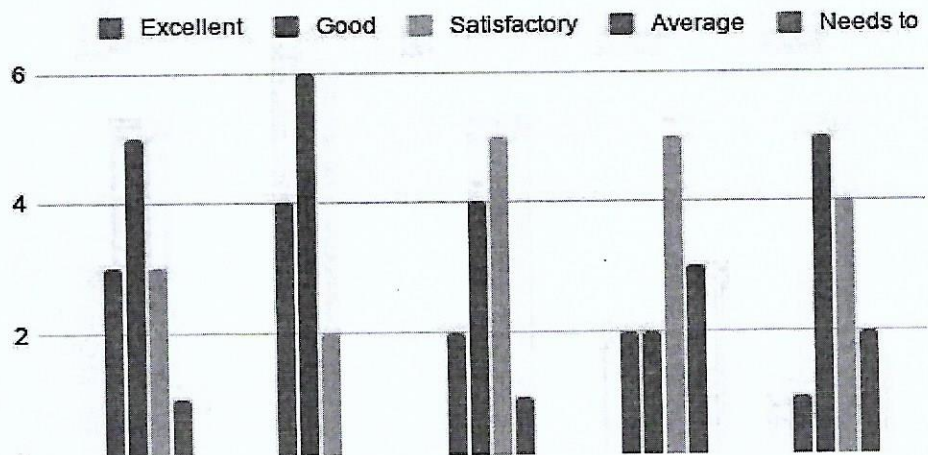
**Alumni Feedback**



**Industry Feedback:**

In the following graph depicts the feedback submitted by some of our regular recruiters based on their experience with our students,

**Industry Feedback**

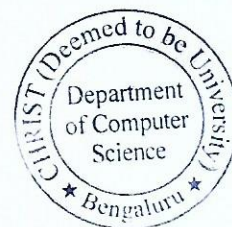


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From the responses, it is understood that the curriculum structure is able to bridge the requirements of industry expectations with a satisfactory level and as the dynamic nature of the computer science field, there are lot of scope to improve the structure with inclusion of practical oriented courses in the latest trends as suggested.

**Suggestions Provided by the Stakeholders:**

Some students were mentioned that, emphasis should be given on practical implementation of concepts. Also, few students suggested that, the assignment and other CIA components should include more aspects of critical thinking and practical implementation. Also, some students suggested including the services offered by AWS and Google service providers. Some of the Alumni and Industry experts suggested the incorporation new technologies such as Container, Angular, Node, Full Stack, NoSQL, React and Ruby. Some of the faculty members suggested their course for the revision and proposed new elective courses to be introduced.



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### Action taken based on the Feedback for the AY 2021-22

The feedback and suggestions from the stake holders show that the existing curriculum satisfied the expectations of the students for their employment and to enrich their skill set in various latest technologies. Also, with the constant efforts from the faculty the syllabus and practical exercises were revised every year with new applications involving latest trends through industry collaborations.

Based on the feedback and suggestions received from the Students, Faculty, Alumni and Industry, the following suggestions have been proposed and discussed in the Board of Studies meeting for AY 22-23.

- Python programming to be introduced in the early semesters to practice the basic mathematical and statistical functions for the minor courses.
- New Elective streams to be introduced in the MCA programmes.
- Inclusion of lab components for the cyber security in BCA
- Evaluation components to facilitate the student's soft skill development.
- In order to introduce new technologies in to curriculum, It is discussed to rigour the research activities of the department.
- Enhancing the programming skills of the data science students.
- find the opportunities for the inclusion of industry offered elective courses

The following courses have been introduced in the programme structure of the UG and PG programmes.

| SNo | Course Code | Course Name                                 | Applicable to Batch |
|-----|-------------|---|---------------------|
| 1   | BCA171      | Python Programming - I                      | 2022                |
| 2   | BCA472      | Python Programming - II                     | 2022                |
| 3   | BCA552A     | Cyber Security Lab                          | 2022                |
| 4   | MDS372      | Java Programming                            | 2021                |
| 5   | MCSA134     | Python for data analytics                   | 2022                |
| 6   | MCSA232     | Computer networks & cryptography            | 2022                |
| 7   | MCSA442B    | Neural networks and deep learning           | 2022                |
| 8   | MCSA442D    | Computer vision - image and video analytics | 2022                |



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