



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

Department of Computer Science and Engineering  
School of Engineering and Technology  
CHRIST (Deemed to be University), Bangalore

Feedback on Curriculum – Odd Semester

Academic year 2020-2021

Programme : CSE

| Category | Total Number of Requests | Total Number of Responses | Excellent % | Good % | Satisfactory % | Average % | Need to Improve % |
|----------|--------------------------|---------------------------|-------------|--------|----------------|-----------|-------------------|
| Alumni   | 20                       | 8                         | 4           | 4      | 0              | 0         | 0                 |
| Student  | 400                      | 157                       | 22          | 80     | 30             | 11        | 14                |
| Industry | 20                       | 8                         | 5           | 03     | 0              | 0         | 0                 |
| Parent   | 20                       | 10                        | 5           | 4      | 1              | 0         | 0                 |
| Teachers | 54                       | 45                        | 42          | 3      | 0              | 0         | 0                 |

CDC Incharge



HOD, Department of CSE

Department of Computer Science and Engineering

School of Engineering and Technology  
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Curriculum Feedback Comments Received in Each Category

*Academic year 2020-2021*

|  |
|--|
| Alumni   |
| <ol style="list-style-type: none"><li>1. please give more real time industrial experience to the students</li><li>2. Modern technologies, and basic DS and Algo should be more focused.</li></ol>  |
| Students   |
| <ol style="list-style-type: none"><li>1) Need more subjects that will focuses on the future trends</li><li>2) Since an important agenda of Christ University is holistic development, I'd say improvement can be made in terms of curriculum. Maybe by adding other minor subjects that are not entirely technical.</li><li>3) Recent trends in computer science needs to be added</li><li>4) Add more practical component to the courses</li><li>5) Unix and Blockchain courses can be introduced</li></ol>   |
| Faculty  |
| <ol style="list-style-type: none"><li>1) Dr Ganesh Kumar: Probability and Statistical methods are an important tool because they provide the engineer with both descriptive and analytical methods for dealing with the variability in observed data. Although many of the methods presented are fundamental to statistical analysis in other disciplines, such as business and management, here the focus is on an engineering-oriented audience. We believe that this approach will best serve students in engineering and will allow them to concentrate on the many applications of statistics in these disciplines. The course describes examples and exercises are engineering- and science-based, and in almost all cases used examples of real data—either taken from a published source or based on consulting experiences.</li><li>2) Dr.Ajit : CDC enables flexibility in curriculum development on par with industry requirements</li><li>3) Dr. AVN Krishna: More focus on research based curriculum may be proposed</li><li>4) Vandana: Full stack development should be offered as a special elective course.</li><li>5) Dr Sathish Kumar : No changes is required.</li><li>6) Dr Savitha: Curriculum Improvement Needed For Cloud Computing And Software Project Management.</li><li>7) Dr Mausumi Goswami:Great syllabus and great teaching learning.</li></ol> |

- 8) Dr Julian: Can include Block chain concept as one of the elective subject since it is becoming recent trend in IT
- 9) Dr Natarajan K: Can include Block chain concept as one of the elective subject since it is becoming recent trend in IT
- 10) Mithun: Already many times requested to remove the old subjects and check the contents of the syllabus of different subjects. But it is not incorporated yet. The subjects, DS and DAA, Grid Computing and Web Services, CNS and Information Security have same contents. it gives wrong notion to the students about the syllabus of the course. Kindly look into the same.

Industry

1. Animation and graphics topics can be added to Mobile Application development subject.
2. Practical approaches should be more in IOT.

Parents

1. Unix and Blockchain courses can be introduced
2. More number of programming subject can be introduced



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**Feedback on Curriculum - Even Semester**

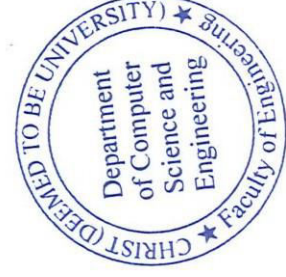
*Academic year 2020-2021*

*Programme : CSE*

| Category | Total Number of Requests | Total Number of Responses | Excellent % | Good % | Satisfactory % | Average % | Need to Improve % |
|----------|--------------------------|---------------------------|-------------|--------|----------------|-----------|-------------------|
| Alumni   | 20                       | 15                        | 11          | 4      | 0              | 0         | 0                 |
| Student  | 400                      | 313                       | 22          | 120    | 105            | 58        | 27                |
| Industry | 20                       | 16                        | 13          | 03     | 0              | 0         | 0                 |
| Parent   | 20                       | 20                        | 17          | 3      | 0              | 0         | 0                 |
| Teachers | 54                       | 45                        | 42          | 3      | 0              | 0         | 0                 |



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**Curriculum Feedback Comments Received in Each Category**

*Academic year 2020-2021*

**Alumni**

1. please give more real time industrial experience to the students
2. Modern technologies, and basic DS and Algo should be more focused.
3. Recommend to introduce some of the emerging topics like Data Analytics, Artificial Intelligence, IoT, Mobile Systems Security
4. Unix and Blockchain courses can be introduced
5. Add more practical component to the courses

**Students**

- 1) Need more subjects that will focus on the future trends
- 2) Since an important agenda of Christ University is holistic development, I'd say improvement can be made in terms of curriculum. Maybe by adding other minor subjects that are not entirely technical.
- 3) We should have more courses on current technology. Example.... We have an AI course but not practical. We need practicals. We need hands on all the latest technology to get used to current requirements of the companies.
- 4) More focus on technical subject rather than theoretical
- 5) Recent trends in computer science needs to be added
- 6) Add more practical component to the courses
- 7) Unix and Blockchain courses can be introduced

**Faculty**

- 1) Dr Sundara Pandiyan S: The course "Software Engineering for Data Science" may be considered for offering to students.
- 2) Alok Kumar Pani: To complement the curriculum and invoke critical thinking among students, quality of mid semester and end semester question papers for both UG/PG needs to be significantly improved. We should design the question papers on a 60:40 ratio, i.e, 60% of the questions can be of theoretical and rest 40% of the questions should be of problem solving/analytical/case-study based in nature.
- 3) Dr Ganesh Kumar: Probability and Statistical methods are an important tool because they provide the engineer with both descriptive and analytical methods for dealing with the variability in observed data. Although many of the methods presented are fundamental to statistical analysis in other disciplines, such as business and management, here the focus is on an

engineering-oriented audience. We believe that this approach will best serve students in engineering and will allow them to concentrate on the many applications of statistics in these disciplines. The course describes examples and exercises are engineering- and science-based, and in almost all cases used examples of real data” either taken from a published source or based on consulting experiences.

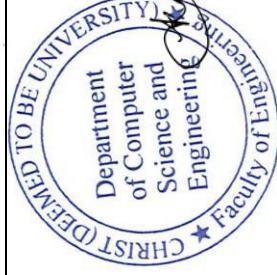
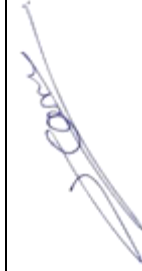
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#### Industry

1. Unix and Blockchain courses can be introduced
2. Python can be introduced as a compulsory subject for 2nd-year students.
3. Animation and graphics topics can be added to Mobile Application development subject.
4. Practical approaches should be more in IOT.

#### Parents

1. Unix and Blockchain courses can be introduced
2. More number of programming subject can be introduced



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Feedback on Curriculum – Odd Semester

*Academic year 2020-2021*

*Programme: Information Technology*

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| Alumni   | 20                       | 7                         | 5           | 2      | 0              | 0         | 0                 |
| Student  | 200                      | 90                        | 12          | 30     | 34             | 10        | 4                 |
| Industry | 20                       | 8                         | 4           | 03     | 01             | 0         | 0                 |
| Parent   | 20                       | 10                        | 6           | 4      | 0              | 0         | 0                 |
| Teachers | 54                       | 45                        | 42          | 3      | 0              | 0         | 0                 |

  
CBC Incharge



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Curriculum Feedback Comments Received in Each Category

Academic year 2020-2021

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HOD Department of CSE

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Minutes of the 12<sup>th</sup> Meeting of the Board of Studies of the Department of Computer Science and Engineering Held on 08<sup>th</sup> February 2020 at 10 am at the Conference Room, Block I, Kengeri Campus, CHRIST (Deemed to be University).

In the Chair: Dr Iven Jose, Dean, School of Engineering and Technology.

Secretary: Dr. Balachandran K, Head of the Department, Department of CSE.

**Members Present:**

All members in the attendance list (Annexure A) were present.

**Leave of Absence**

There was no leave of absence.

**Declaration of Quorum and Calling the Meeting to Order:**

The Chairperson commenced the meeting with a silent prayer followed by a note of welcome to all the members and the invitee. Thereafter the Chairperson declared the validity of the Quorum and called the Meeting to Order.

**Matters on the Agenda:**

**1. To confirm the Minutes of the previous meeting held on 23 January, 2019**

The minutes of the previous meeting of the Board of Studies was duly reviewed and approved by the meeting. It was noted that there were no matters arising out of the minutes.

**2. To consider and recommend new UG Programme-B.Tech (Honours) in computer science and engineering as per the Programme Document in Annexure B**

Course structure for the new B.Tech Honours Programme in Computer Science and Engineering is presented at the Meeting by the HOD. The following Honours programmes having 5 courses with 4 credits each under each category was proposed,

**Artificial Intelligence, Data Analytics, Cyber security**

Hence the total Credit for the programme will be 155+20 total 175 credits

**Actions:** Resolved that the new Programme of B.Tech (Honours) as per the Programme Documentation presented with the modification thereof be and is hereby approved to be effective from the academic year 2020-2021, the same will be applicable for the previous batches of 2018-2019 and 2019-2020 B.Tech programme subject to approval of the Academic Council and the Board of Management.

**3. To consider and recommend new UG Programme in CSE as per the Programme Document in Annexure I**

New program proposed are

\*B.Tech Computer Science and Engineering (Artificial Intelligence and Machine \*Learning) with intake of 60

\*B.Tech Computer Science and Engineering (Data Science) with the intake of 30

\*B.Tech Computer Science and Engineering (Internet Of Things) with the intake of 30

\*Subject to the approval of AICTE

**Actions:** After due deliberations the recommendations are accepted.

**4. To consider and recommend the new Minor Programme in CSE as per the Programme Document in Annexure C**

Course structure for the proposed new Programme on Minor Degree in Computer Science and Engineering was discussed in detail. This program will be offered to all other engineering disciplines. And will be applicable from the batches of 2019-2020.

**Actions:** After due deliberations the recommendations are accepted.

5. **To consider and recommend the new Minor Program for CSE students offered by other discipline**  
Minor Degree proposed by other departments namely Architecture, Automation, Business Accounting, E-Mobility, Internet of Things, Management, Psychology was presented and same is recommended for B.Tech CSE with effect from academic year 2020-2021, the same will be applicable for the pervious batch of 2019-2020 B.Tech programme subject to approval of the Academic Council and the Board of Management.  
**Actions:** After due deliberations the recommendation are accepted.
6. **To consider and recommend the changes in the curriculum for the following programmes**
- A. **B. Tech (Computer Science and Engineering)-Proposals**  
Total number of program credit is reduced from 160 to 155, minor changes of the syllabus is recommended for 11 program courses and 7 program elective courses, changes are enclosed in Annexure D.  
**Actions:** The Board of Studies reviewed the proposed changes. Having considered the validity of the reasons for the suggested changes, the Board approved the changes.
- B. **M. Tech (Computer Science and Engineering) -Proposal**  
**Based on the recommendations the following changes were proposed to include:**  
Syllabus updating for three courses and inclusion of one new open elective course are proposed. Overall 20% of change was proposed in the syllabus. Detailed changes proposed are enclosed in the Annexure E  
**Actions:** The Board of Studies reviewed the proposed changes in curriculum for courses of M Tech as presented at the meeting. Having considered the validity of the reasons for the suggested changes, the Board approved the same subject to approval of the Academic Council.
7. **To consider and approve the Certificate Programs**  
Twelve different certificate courses offered with the industry collaboration of CISCO, Red Hat, IBM along with course structure is presented for the approval to continue and new proposal to offer a course on LG web OS with the collaboration of LGSI is presented is enclosed in Annexure F  
**Actions:** After due review, the proposal was approved by the Board to continue the certificate courses and approve and forwarded the new proposals for further levels of approvals.
8. **To consider and approve the evaluation scheme, CIA pattern and review the end semester examinations.**  
**Action:** After due review, the proposal was approved by the board.
9. **To consider and approve the panel of examiners**  
The board discussed and approved a panel of examiners as per Annexure G.
10. **To consider and approve the selection criteria, admission process for the B.Tech and M.Tech programs**  
The Board approved the selection and admission criteria adhered by the department for the B. Tech and M.Tech programs applicable from 2020-2021  
**Action:** After due review, the admission process was approved by the board.
11. **To consider any others matters with the permission of the Chair.**  
Few suggestions given by experts can be consider for the future proposals
- ❖ Suggested to have more weightage for practical components for PG courses to give opportunity to the interested employees to do their post graduate degree
  - ❖ Experts suggested to keep project as a mandatory course as part of Honour Programs.
  - ❖ The Board discussed on the number of publications, patent, innovative pedagogy, and the innovative projects of the department. Several research ideas for external funding and proposal work related to the faculties' expertise were deliberated. The external experts appreciated the department work especially with respect to service learning and research culture of the department.
- With no other matters to discuss Chairperson thanked all the board of studies members including experts and invitees for their presence and valuable suggestions. The Chairperson adjourned the meeting.