DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

TEZPUR UNIVERSITY

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Minutes of the DAC Meeting held on 23.11.2021

Members present:

1. Prof. B. Borah, Chairman
2. Prof. D.K. Saikia
3. Prof. D.K. Bhattacharyya
4. Prof. S.K. Sinha
5. Prof. U. Sharma
6. Prof. N. sarma
7. Prof. S Saharia
8. Dr. S.I. Singh
9. Dr. B. Nath
10. Dr. S.S. Satapathy
11. Dr. S. K. Deka
12. Dr. D. Boro
13. Dr. R. Sarmah
14. Dr. A. Karmakar
15. Mr. L. B. Singh
16. Dr. S. Patra
17. Dr. S. Nath
18. Dr. S. Kalita
19. Dr. N. Medhi

A DAC meeting of the department of Computer Science and Engineering was held on 24/11/2021 at 10:30 a.m. in the Conference Room to analyze feedbacks received from alumni, parents and students for the years 2016-2021. The major points of the feedback and analysis of those are attached. The house noted the following actions taken:

1. The general trend of the feedback from alumni, teachers and students has been mostly positive.

2. Students should be advised to take courses on Statistics and Probability offered by Mathematical Science Department, either as Open Elective or otherwise. Department level coordination with that department may be done if required.
3. The following new courses covering emerging technologies have been introduced in the recent 4 years.
    - Internet of Things
    - Speech Processing

    Preparation for the following courses are being done including laboratory set-up and syllabus approval.
    - AR/VR
    - Data Science
4. Expert talks on emerging technology and research frontiers are being organized. These should be made a regular feature. Also, such talks by faculty and research students must be regularly conducted.
5. A few workshops that provided hands-on training and practice on industry-oriented topics such as IoT, Network Security, and Network administration, were organized in the past 4-5 years. These can be made a regular feature.
6. Periodic curriculum and syllabus revision provides room for introduction of new courses and new topics in the existing courses. MOOCs courses, such as those on data analytics, data science, JAVA, Python are available too.
7. While preparing lists of projects for students to choose from, technologies that would be learnt in each of them may be mentioned, wherever possible.
8. Strong support for Teaching Assistants can help the faculty members in devoting more time to prepare new elective/specialization courses. Steps for enhancing the competencies of TA, can be identified and taken.
9. Better awareness about existing provisions may address some of the concerns of students and alumni. For example, courses on data science and machine learning are suggested to be offered, whereas these courses are currently available as MOOCs courses.
10. Grooming for competitive examinations and interviews shall be provided in Coordination with Training & Placement Cell.

(B. Borah)
Chairman

Department of Computer Science and Engineering
Tezpur University, Tezpur-784028

23 November, 2021

1. **Major points of the feedback from Alumni:**

   Any topic/topic(s) suggested to be included in the syllabus:

   a) Quantum Computing, Data Science, Machine Learning, Cloud computing/Fog Computing, Deep learning, Internet of things, Cryptography, Cyber Security, Blockchain.
   b) Industry skill subjects like App development, Web development and conducting good bootcamp.
   c) Data Visualization Tools like Tableau, Power BI.
   d) Java, Javascript, Python Programming can be included to widen industry exposure.
   e) Big data analytics, high performance computing.
   f) At least one build tool(maven/gradle), one industrial framework (spring boot/ spring cloud) and one devOps tool.
   g) Entrepreneurship projects.
   h) The entire process for obtaining internships and placements need improvement.
   i) Career counseling.

2. **Major points of the feedback from Teachers:**

   Any topic/topic(s) suggested to be included in the syllabus:

   a) New and emerging technologies need to be included in the curriculum as Electives regularly.
   b) Basics of statistics and probability.
   c) A subject on Algorithmic Optimization is needed to be included.
   d) Some subjects on emerging areas to provide specialization in MT(IT).
   e) Some subjects for specialization in 2-3 areas need to be included as Electives.

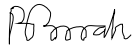
   Any other suggestion(s):

   a) M. Tech students should be more effectively engaged as Teaching assistants for B. Tech and MCA courses.
   b) PhD students should be more effectively engaged as Teaching assistants for B. Tech, M. Tech and MCA courses.

3. **Feedback points of feedback from students:**

   a) More job-oriented courses are required in the curriculum.
   b) Including video lectures along with presentation would have been better.
   c) Real life applications should be focused upon more.
   d) Introducing newer courses that are more relevant to current demand.
   e) Some real-life application of Mathematics should be taught.
   f) Online classes are difficult to understand the subject.

g) Some extra classes should be arranged for related competitive examinations.
h) The number of elective courses offered should be increased.
i) Talks on various interdisciplinary fields should be arranged.
j) More workshops inculcating employability skills & soft skills are required.
k) Placement opportunities should be improved.



B. Borah
(Head, CSE)