Department Of Electronics and Telecommunication Engineering
Minutes of Meeting : Academic Advisory Committee
Academic year 2018-19 Sem I

Date of Meeting: 29th September, 2018

A meeting of Academic Advisory Committee of Dept of E&TC Engg., AIT Pune was held on 29 Sept 2018 in Conference Hall. Following members were present for the meeting.

1. Principal - Dr. B. P. Patil, principal@aitpune.edu.in, 9689907475
2. H.O.D. - Dr. G. R. Patil, hodetc@aitpune.ed.in, 9422510862
3. Members (Faculty)
    I. Prof. Surekha K.S., surekhaks@aitpune.edu.in, 9422356483
    II. Prof. D. G. Auradkar, dgauradkar@aitpune.edu.in, 9422300730
    III. Prof. Dr. P. B. Karandikar, pkarandikar@aitpune.edu.in, 9420427741 (Absent)
4. Members (Alumni)
    I. Baikunthanath Dwibedi - Sr. Engg. Eaton Technologies Pvt. Ltd., baikunthanathedu@gmail.com, 9158000741
5. Members (Academic) – Prof. Dr. Yerram Ravinder, Professor & Head, Dept. of Electronics Engg., PICT, Pune, yerramravi@yahoo.com 9850463493
6. Members (Industry) –
    I. Mr. Wijay Godbole –Director, Poornay Consultants, wijay_godbole@yahoo.com,7743870915
7. Student Members
    I. Vineet Kumar Tripathi – Final Year Student vineetkumar_15676@aitpune.edu.in BE(B)
    II. Mr. Vivek Varma– Final Year Student BE(B)
8. Co-ordinators
    I. Prof. Mrs Snehal Marathe
    II. Prof. Mrs. Rajashree Suryawanshi
    III. Prof. Mrs. Dhanashri Patil

Agenda of the Meeting was as below:
- *Discussion on Academic performance & Improvement*
- *Skill Requirement and their mapping with curriculum and value added courses*
- *Identification of the curriculum gaps*
- *Quality Improvement initiatives*
- *Industry Tie-ups and Sponsored Projects*
- *Any other point with the Permission of Chair*

The meeting started at 10 am with presentation by HOD Dr G R Patil.
The revised Vision, Mission, PEOs, PSOs of the Department were presented to the committee.
During the presentation, suggestions given by the committee members are as follows:
Agenda 1: Discussion on Academic Performance & Improvement

There was a discussion on academic performance of the students of the examination conducted in year 2017-18. Each subject result was discussed in detail. The results of second and third year are very good whereas the final year results were 91% as compared to past record of 95%. The suggestions from the AAC are as follows:

- It is found that the performance of the students in programming related subjects like OOPs, Microcontroller, Advanced Processors etc. is poor. It is due to lack of programming concept understanding and practice.
- Mr. Vivek Varma suggested that C, C++ classes should be more practical oriented rather than theoretical.
- Mr. Wijay Godbole suggested that proper methodology of Understanding Concept-Applications-Implementation for teaching computer programming can be adopted.
- Dr. Y Ravinder told that, looking at the results it seems they are the best in University and the distribution of marks will be always normal. Sometimes University question papers and exam assessment are not up to the mark, hence students suffer. Autonomy can be the solution to nullify these problems.
- Dr. G. R. Patil told that the final year results this time should prove to be exceptions and care will be taken to bring them back as per performance. Mr. Wijay Godbole asked whether this has affected the final placement of the students.

Agenda 2: Skill requirement and their mapping with curriculum & value added courses

A detailed presentation on skills acquired by the students, Skills required in the next five years were presented by Dr G R Patil and he asked the committee members if there is anything that we can add to this list.

- Mr. Vivek Varma told that students should are weak in embedded C coding and 8051 and PIC fundamentals.
- Mr. Baikunth told that knowledge of integrating hardware with software is essential for E&TC students and these skills can be acquired by doing projects.
- Value added courses should be more practical oriented rather than theoretical.
- Mr. Wijay Godbole told Leadership Skills are important and should be included in the list.
- Dr. Ravinder suggested that the AMCAT is useful to assess the skills of students. Dr G R Patil told that all students in AIT take AMCAT.

Agenda 3: Identification of the curriculum gaps

The suggestions from AAC during discussion on curriculum gap are as follows:

- Dr. Ravinder told that programming skills have become integral part in engineering.
- He said following skillsets are required for each student
  1. Domain knowledge
  2. Software
  3. Programming skills
  4. Foreign Language
- Mr. Wijay Godbole told that the students should be able to speak the language of technicians as well. Hands-on skill should be emphasized in the curriculum. Industrial and Practical training should be also given to the students during their studies.
- Dr. G R Patil informed that we have included all this in the proposed syllabus of autonomy.
- Mr. Baikunth suggested that the students should be aware of testing and measurement of the circuits and systems developed by them.
- Dr. G R Patil requested Mr. Baikuth to help the dept. to frame the syllabus of autonomy so that relevant topics required for industry can be included..

Agenda 4: Quality Improvement initiatives

Dr. G R Patil presented various quality improvement initiatives in the department. He told the department is conducting guest lectures, workshops, industrial visits, and other industry institute interactions to make the students employable as the placement happens to be the most important aspect of the academic system. The AAC members gave their valuable suggestions which are listed below:

- ➢ Mr. Baikuth suggested that students should focus on Power Electronics as electric vehicles are going to be introduced and there will be more opportunities.
- ➢ There was a discussion on mindset of E&TC students for placement. Mr. D G Auradkar told that there should be motivation for students to go for core jobs. Dr. B P Patil told that Entrepreneurship should be imbibed in the student right from first year.
- ➢ Enlighten the students with the feeling of real world.
- ➢ Change the philosophy of students regarding placement.
- ➢ Data Analytics is important.

Agenda 5: Industry Tie-ups and Sponsored Projects
- ➢ Dr. G R Patil gave brief about the MOU with Robu.in and the Innovation and development center.
- ➢ Mr. Wijay Godbole offered his expertise to help the department in IoT related activities and projects.

Agenda 5: Any other point with permission
Mr. Baikuth told the budget should also be included in the presentation. Dr G R Patil gave a brief about budget.

The meeting was over with concluding remarks from Dr G R Patil giving assurance for implementing the valued suggestions of AAC.

Prepared By:

    I.   Prof. Mrs Snehal Marathe
   II.   Prof. Mrs. Rajashree Suryawanshi
  III.   Prof. Mrs. Dhanashri Patil

(Dr. G R Patil)
HOD E&TC