

**DHIRUBHAI AMBANI INSTITUTE OF
INFORMATION AND COMMUNICATION TECHNOLOGY
GANDHINAGAR**

**MINUTES OF THE
THIRTYFIFTH MEETING OF THE ACADEMIC COUNCIL**

The 35th meeting of the Academic Council was held on 21st July 2022. The following members were present:

1. Prof K.S. Dasgupta, Chairman
2. Prof Ranjan Bose, Member
3. Shri Tapan Misra, Member
4. Prof Tathagata Bandyopadhyay, Member
5. Shri Pavitar Singh, Member
6. Prof Sanjay Srivastava, Member
7. Prof Binita Desai, Member
8. Prof Maniklal Das, Member
9. Prof Manjunath Joshi, Member
10. Prof Sunitha V, Member
11. Prof Ranendu Ghosh, Secretary

Item No. 1

To confirm the minutes of the 34th meeting of the Council held on 12th March 2021

The Council confirmed the minutes of the 34th meeting of the Council held on 12th March 2021.

Item No. 2

To obtain the approval of Chairman and Members, Academic Council to implement new PG program on MSc in Agriculture Analytics

DA-IICT, in partnership with Indian Institute of Remote Sensing (IIRS), ISRO and Anand Agricultural University (AAU), Anand, has started a two-year MSc degree program in Agriculture Analytics. The objective of the program is to introduce the concept of satellite technology and data processing, machine learning, mathematical and statistical modeling in the program curriculum.

Presentation on Agriculture Analytics program was made by Prof Ranendu Ghosh. He presented the genesis, need, program structure and current status of the new program. It is envisaged that the students in the program will move to DAIICT, IIRS and AAU in the 1st, 2nd and 3rd semesters respectively. One unique feature of the program is to introduce Value Added Courses (VAC) in the summer semester by the industries/academia before they move to AAU for the 3rd semester. Dr Ghosh also briefed that a total of 29 students were admitted in the first batch of the program. The admission process was based on admission test (50% weightage), academic credentials (20% weightage) and interview (30% weightage). Before the orientation program at DAIICT, the students were undergone a two days bootcamp during July 18 – 19 2022. This was essentially an interaction program of the students with related agritech industries.

Observations made by AC members are as follows

- Participation of the industries and their interest on engaging with the students should be ensured in the program.
- Prospect of higher studies (PhD) should be explored once they complete the PG program.
- Encourage the admission of girl students in the program
- Introduce the agriculture policy issues in the curriculum.

The members expressed their satisfaction about the initiative of starting a new multidisciplinary and multiinstitutional program

Item No. 3

Presentation by Prof Anish Mathuria on the revised M.Tech ICT program

The objective of the revamped MTech (ICT) curriculum is to develop a flexible structure that allows students to choose courses according to their interests. The curriculum also allows them to undertake an internship in the final semester. Changes to the curriculum include adding a minor project in the second semester and a major project to be carried out during the summer semester and the following autumn semester. Students who choose to undertake thesis research would be allowed to spend the final semester at a collaborating research partner organization.

There were few comments from members of the council as follows

- What is the duration of internship?
- What is the percentage distribution of students in thesis and internship option.

Dean AP responded that percentage is 50 : 50 in the first year and 40 : 60 in the second year.

Members, in general, commented that internship is a good option for the students. It was suggested that for thesis option, the students should work on problem defined by the industries.

The Council endorsed the improvements in the program.

Item No. 4

Presentation by Prof Yash Vasavda on the revised M.Tech EC program jointly offered by DA-IICT and CR Rao AIMSCS

DA-IICT, in partnership with CR Rao AIMSCS Institute, offers a two-year MTech degree program in Electronics and Communication (EC) with specialization in Wireless Communications and Signal Processing (WSP). The objective is to position the graduating students at the forefront of industrial and academic research developments in the advanced wireless communication systems and signal processing architectures.

The degree program structure is as follows.

- In their first semester, the students undertake the course work comprising a core subject (Introduction to Wireless Communication), a Lab course, a general elective in mathematics and a general elective in technical domain.
- In the second semester, the students take a specialization core II (Advanced Digital Signal Processing), and two specialization electives. In addition, the students work on a Minor Project I in the second semester. The students undertake a Major Project I in the summer semester. In the third semester, the students study two specialization electives and continue working on the Major Project I. Finally, in their fourth semester, the students opt to conduct either the Major project II on the campus, or undertake an Industrial Training Project. If a student undertakes the Major Project II, the program requires it to be a continuation of Major Project I. Upon successful completion of the Major Project II, the student is awarded a thesis certificate.

The students are required to be at DA-IICT during the first two semesters; they can opt to be either at DA-IICT or CR Rao AIMSCS during Semesters III and IV.

There were comments as follows

- Students with VLSI but without Signal Processing (SP) knowledge may not be useful
- Raspberry experience will be useful

Dean AP responded that a course on VLSI with SP can be offered.

Teaching or Research Assistantship is offered, as per the UGC norms, to all the eligible students. Total intake is 16, with 12 seats reserved for the GATE-qualified students

After detailed discussion the council members ratified the improvements suggested by the institute.

The meeting ended with a vote of thanks to the Chair.

August 21, 2022