Department of Biotechnology and Bioinformatics
JUIT Waknaghat

Minutes of BoS meeting held on 17.04. 2019

A meeting of Board of Studies of the Department of Biotechnology & Bioinformatics was held on **17.04. 2019**at 11:0 AM in the Board room.

Following BoS Members and attendees were present.

1	Dr. Sudhir Kumar, Head, Department of Biotechnology and Bioinformatics, JUIT Waknaghat	17/4/19
2	Dr T.C. Bhalla Professor Emeritus Department of Biotechnology HPU Shimla (External Member BoS)	17/4/19
3	Dr Harish Changotra Associate professor, Department of Biotechnology and Bioinformatics, JUIT Waknaghat (Member BoS)	17/4/19
4	Head (or Representative), Department of Computer Science and Engineering, JUIT Waknaghat (Member BoS)	17/04/2019
5	Head (or Representative), Electronics and Communication Engineering, JUIT Waknaghat, (Member BoS)	17/04/19
6	Head (or Representative), Department of Physics and Materials Science, JUIT Waknaghat, (Member BoS)	17/4/19
7	Head (or Representative), Department of Humanities and Social Sciences. JUIT Waknaghat, (Member BoS)	for TG 17/4/19.
8	Head (or Representative), Department of Civil Engineering, JUIT Waknaghat, (Member BoS)	17/4/19
9	Dr. Jata Shankar, Associate Professor, Department of Biotechnology and Bioinformatics, JUIT Waknaghat (Invited attendee as M. Tech. coordinator)	17/4/2019
10	Dr Udaybanu Assistant professor, Department of Biotechnology and Bioinformatics, JUIT Waknaghat (Invited attendee as B. Tech. coordinator)	17/4/19
11	Dr. Anil Kant Associate Professor, Department of Biotechnology and Bioinformatics, JUIT Waknaghat (Member Secretary BoS)	17/4/19
12.	Dr. Yerraj Bhardwaj, PS, Dev. CI, ICAR-CPRI	17/4/19

Dr Anil Kant member secretary welcome the members of BoS. Professor Sudhir Kumar presented the agenda items one by one by one before the house for discussion/approval. Following are the recommendation/ resolutions of the BoS.

Agenda Item 1

1. To approve the minutes of last BoS meeting held on 09.102018 (Item No1: Minutes of BoS 9.10.2018)

Discussion:
Resolution: Approved as presented

Agenda Item 2
To consider the approval of change of name of some courses (Item No: Change of Name of Courses)

Discussion: Professor Sudhir Kumar explained the reason of proposed changes.

Resolution: Members agreed and approve the said changes as presented.

Agenda Item 3
To consider the approval of elective courses to be offered to students as per 160 credit curricula for B.Tech. Biotechnology and B.Tech. Bioinformatics (2018 batch onwards). (Item No: 3a) B. Tech Biotechnology Electives; (Item No. 3b) B. Tech Bioinformatics Electives)

Discussion: Members were of the view that courses can be added or deleted in the respective elective buckets as per relevance and or availability faculty members.

Resolution: Approved as presented

Agenda Item 4
To consider the approval of Open Electives for 160 credit curricula (2018 batch onwards). (Item No 4: B. Tech Open Electives)
Discussion: Open elective courses are offered to the students of other Departments. Prof Sudhir Kumar explicated objectives and target group of students of each proposed open elective courses eg :

a. Biology For Engineers: May beof interest of any Engineering branch student
b. Industrial Chemistry: Students of Civil Engineering
c. Food Nutrition & Health Care: A general course may be of interest of any non biology student. The knowledge gained could be useful life long for good personal and family nutrition and healthcare.
d. Sustainable Technologies for Waste Management: Civil Engineering students

Prof TC Bhalla has a look at the proposed courses, and suggested that a unit on composting and waste management can be added in "Sustainable Technologies for Waste Management" course.
Dr Anil Kant Proposed that this new unit could be; Agricultural Waste Management, composting techniques will be part of it.

Resolution: The observations were passed on to concerned faculties and rest of the courses were approved as presented

Agenda Item 5

To consider the approval of offering following Proficiency areas of 20 Credit hr each in B. Tech Biotechnology and B. Tech. Bioinformatics

a. B. Tech Biotechnology Proficiency: Industrial Biotechnology (Item No5a: 20 Credit hr Courses and Detailed syllabus)

b. B. Tech. Bioinformatics Proficiency: Biomedical Informatics (Item No 5b: 20 Credit hr Courses and Detailed syllabus)

Discussion: Professor Sudhir Kumar explained the concept of Proficiency areas of 20 Credit. The interested and arduous students can opt for doing additional 20 credit hours, of same disciple apart from routine 160 credits. The extra credit hours done would be mentioned in their degree certificate in the form of proficiency acquired as mentioned above.

Resolution: Proficiency areas, courses and course syllabi were approved as presented.

Agenda Item 6

To consider the approval of offering following Minor Proficiency areas of 20 Credit hr each in Biotechnology and Bioinformatics

a. Minor Proficiency in Biotechnology (Item No 6a: 20 Credit hr courses for minor Proficiency in Biotechnology)

b. Minor Proficiency in Bioinformatics (Item No 6b: 20 Credit hr courses for minor Proficiency in Bioinformatics)

Discussion: Dr Anil Kant explained the concept of minor proficiency. Minor proficiency of 20 credit hour is an offer to interested and laborious students of other disciplines, who develop interest in Biotechnology and Bioinformatics. The students of Biotechnology can also opt for minor proficiency in Bioinformatics and vice-versa. In this case also the extra 20 credit hours completed by students would be mentioned in their degree certificate in form of minor proficiency acquired.

Dr Vinay Bhardwaj appreciated the idea of offering proficiency and minor proficiency and overall efforts of the department to continuously update the curricula and syllabi on regular basis. He also enquired about the overall governing body, which approves all such proposals. He was apprised by Prof Sudhir Kumar that 'Academic Council' of the university is the highest body which ultimately ratify the decisions related to academic affairs.

Resolution: Minor Proficiency areas and courses and course syllabi were approved as presented.

Agenda Item 7

To consider approval of MOOC courses in lieu of some core courses for failed students of discontinued 195 scheme Batches. (Item No 7: MOOC courses in lieu of some core courses of discontinued 195 scheme Batches).

Discussion: Professor Sudhir Kumar explained that this is being proposed to help and facilitate the students of discontinued 195 scheme batches to enable them to complete their degree timely.

Resolution: The aged item was approved as presented

Agenda Item 8
To consider approval of minor modifications in course names in M Tech Biotechnology, MSc. Biotechnology and MSc Bioinformatics course structure. (Item No 8a 8b and 8c; respective course structure with included changes).

Discussion: Dr Anil Kant explained the reasons for such minor modifications. Mainly these changes are being proposed to remove the redundancy in names of some courses of MSc, M Tech and PhD programmes.

Resolution: The modifications in course names were approved to adopted as presented.

Agenda Item 9
To consider approval of detailed syllabus of MSc Biotechnology and MSc Bioinformatics in latest JUIT course format. (Item No 9 a Detailed syllabus of MSc Biotechnology; Item No b) Detailed syllabus of MSc Bioinformatics)
Discussion: Prof TC Bhalla, scrutinized syllabi of some course and found these appropriate. Dr Anil Kant told that these syllabi have been discussed in length and breadth in one of previous BoS meeting and only minor changes in syllabi required as a consequence of change in name of few courses, mentiond in item no. 8 are proposed to be ratified through this BoS meeting.

Resolution: The detailed course syllabi of MSc Biotechnology, MSc Bioinformatics and M Tech Biotechnology was approved
Agenda Item 10
To consider the following proposal with respect to Course work and DPMC Structure of DRDO sponsored PhD students. The suggestion came from Director, DIHAR DRDO-Leh.(Item No 10)

a. It is proposed that Ph.D. candidates sponsored by DRDO may have their course work during condensed semester in winters. The hostel facility will be provided by JUIT as per availability and existing policy.
b. DRDO sponsored candidates work in DRDO Labs. (Leh or Chandigarh), so majority of the DPMC members need to be from DRDO along with supervisor from JUIT. DPMC may also be held at Chandigarh or Leh in the presence of JUIT supervisor.

Discussion: The proposal was agreed upon and appreciated by members.
Resolution: Approved as presented

Agenda Item 11
Any other item with the permission of the Chair: Nil

17/4/2019

Dr Anil Kant Associate Professor
Member Secretary, BoS
Department of Biotechnology
JUIT Waknaghat

17/4/19

Prof. Sudhir Kumar
Chairman BoS, HOD Department of Biotechnology, JUIT Waknaghat