General

Academic Council meeting of Jaypee University of Information Technology, Waknaghat was held on 29 December, 2020 at 11.30 a.m. in online mode through Google Meet. The Chairman, Academic Council extended warm welcome to all the members present in the meeting and expressed thanks to Sh Sunil Sharma Ji, Prof. S. C. Saxena, Prof. Lalit Kumar Awasthi and Lt. Gen Ravindra Mohan Chadha, PVSM, AVSM (Retd.) for their presence. The detailed agenda of the meeting was presented for deliberation and decision of the Academic Council.

Attendance

The following members were present:-

Chairman

Prof. Vinod Kumar

Vice Chancellor, JUIT, Waknaghat

Head of the Other Institution of the Trust

Prof. S. C. Saxena

Vice Chancellor, JIIT, Noida

Distinguished Academician nominated by the Pro-Chancellor

Prof. Lalit Kumar Awasthi

Director, NIT Jalandhar

Industry Professional nominated by the Pro-Chancellor

Sh. Sunil Sharma,

Executive Vice Chairman, Jaiprakash Associates Ltd.

Lt Gen Ravindra Mohan Chadha,

PVSM, AVSM (Retd.)

Director, Jaiprakash Power Ventures Ltd.

The Dean of all Faculty of the University

Prof. Samir Dev Gupta

Dean (Academics) & Head of Deptt. - CSE/IT

Heads of the Departments / Centres of the University

Prof. Karanjeet Singh HoD Mathematics

Prof. P. B. Barman

Prof. Ashok Kumar Gupta

Prof. Sudhir Kumar

Dr. Rajiv Kumar

Dr. Anupriya Kaur

HoD PMS

HoD CE

HoD BT&BI

HoD ECE

HoD HSS



Professors other than Heads of Departments

Prof. Sunil Kumar Khah

Deptt. of PMS

Prof. Ashish Kumar

Deptt. of CE

Non-Member Secretary

Maj Gen Rakesh Bassi, SM (Retd.)

Registrar and Dean of Students

Leave of Absence

Leave of absence was granted by the Chairman to the following member:-

Dr. Satish Kumar

Director, NIT Kurukshetra

Agenda Items

ITEM NO. 1 CONFIRMATION OF MINUTES OF LAST MEETINGS OF THE ACADEMIC COUNCIL

Minutes of the meeting of the last ACM held on 04 June 2020 and 06 August 2020 were forwarded to the members and no comments were received. The minutes of the last ACM as per **Annexure – 1** and **Annexure – 2** were confirmed.

ITEM NO. 2 ACTION TAKEN REPORT

The action taken on the items resolved in the last ACM dated 04 June 2020 and 06 August 2020 were noted by the members. (Annexure -3 and Annexure -4)

ITEM NO. 3 APPROVAL FOR INTRODUCTION OF NEW COURSES / MODIFICATION IN EXISTING COURSE STRUCTURE / DETEAILED SYLLABUS

3.1 DEPARTMENT OF BIOTECHNOLOGY & BIOINFORMATICS

3.1.1 Introduction of Elective – I and Elective – II for M.Sc (Biotechnology) Program for 2020 onward batches.

Chairman, Academic Council informed that Department of Biotechnology & Bioinformatics through its BoS held on 05.12.2020 had recommended inclusion of Elective Courses for M.Sc (Biotechnology) program for batches admitted 2020 onward as Elective – I and Elective – II. After detailed deliberation, the following Elective Courses were approved by the Academic Council:-



Name of Course	Elective Basket	Semester	Credits
Nanobiotechnology - MII	Elective-I	Second	02
Environmental Biotechnology - MII	Elective-I	Second	02
Protein Engineering MII	Elective-I	Second	02
Vaccines MIV	Elective-II	Fourth	02
Drug Discovery and Development MIV	Elective-II	Fourth	02
Computational Systems Biology MIV	Elective-II	Fourth	02

Students have to opt for One Elective out of three courses given above during second and fourth semester.

3.1.2 Change in nomenclature of two Courses of M.Sc (Biotechnology).

Members were informed that Department of Biotechnology & Bioinformatics through its BoS held on 05.12.2020 has proposed for changes in nomenclature of two Courses of M.Sc (Biotechnology) Program. After detailed deliberation, the following changes in the nomenclature of the courses M.Sc (Biotechnology) 1st Semester and 3rd Semester were approved by the Academic Council:-

M.Sc 1st Semester

Existing Nomenclature				Approved chan Nomenclature		change in
Laboratory Microbiology-	II: MI	General	-	Laboratory MI	II:	Microbiology-

M.Sc 3rd Semester

Existing Nomenclature			Approved Nomenclate		in
Bioprocess Technology Engineering -MIII	and	-	Bioprocess Technology	Engineering -MIII	and



3.1.3 M.Tech (Biotechnology) with specialization in Industrial Biotechnology and Medical Biotechnology

Chairman, Academic Council informed the members that Department is running M.Tech (Biotechnology) program. Since last 3 – 4 years there are inadequate numbers of admissions viz-a-viz sanctioned intake of the PG program. This is adversely affecting NIRF ranking of the University.

Considering the above facts, Department has proposed through its BoS held on 05.12.2020 for offering M.Tech (Biotechology) program with two more specializations i.e. Industrial Biotechnology and Medical Biotechnology from the Academic Session 2021-22 so as to make the programs more demanding. However, the sanctioned intake of the program will remain unchanged i.e. 18 seats including newly proposed two specializations.

Students desirous of pursuing specialization will be required to:-

- Select 3rd & 4th Semester Seminar topics from the area of specialization.
- Select 3rd & 4th Semester Project Thesis Part I and Project Thesis Part II from the area of specialization.
- Opt for at least two Elective Courses in the area of specialisation as per given specialization:-

Specialisation	Code	Credits	Course	
Industrial Biotechnology	20M1WBT131	03	Food Processing & Engineering (1 st Sem)	
	20M1WBT132	03	Plant Tissue Culture Technologies (1 st Sem)	
	20M1WBT231	03	QC Analysis and Management (2 nd Sem)	
	20M1WBT232	03	Industrial Enzyme Technology (2 nd Sem)	
Medical Biotechnology	20M1WBT133	03	Vaccine Production (1 st Sem.)	
a.v.	20M1WBT134	03	Advances in Gene Manipulations (1 st Sem.)	
	20M1WBT233	03	Cancer Biology (2 nd Sem.)	
	20M1WBT234	03	Clinical Diagnostics (2 nd Sem.)	



Prof. S. C. Saxena suggested for inclusion of internship provisions in the PG program as it will open the placement opportunities for the PG students.

Members considered the recommendations of the BoS of the Department and approved the same.

3.1.4 Introduction of new Post Graduate Program M.Sc (Microbiology) in place of existing M.Sc (Bioinformatics) Program

M.Sc Programs in four disciplines i.e. M.Sc (Biotechnology), M.Sc (Bioinformatics), M.Sc (Physics) and M.Sc (Statistics) were introduced in the Academic Session 2018-19. Since introduction of M.Sc Programs, only M.Sc (Biotechnology) program is attracting reasonable number of admissions and there is no admission to other three M.Sc programs since its inception.

Considering the fact, Department of Biotechnology & Bioinformatics through its BoS held on 05.12.2020 recommended for introduction of M.Sc (Microbiology) Program with a sanctioned intake of 30 seats from Academic Session 2021-22 in place of existing M.Sc (Bioinformatics) program. The course structure of M.Sc (Microbiology) is as given in **Annexure** – 5.

Academic Council considered the recommendations and approved introduction of M.Sc (Microbiology) in place of M.Sc (Bioinformatics) from Academic Session 2021-22 with sanctioned intake of 30 seats to the program.

3.2 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING / INFORMATION TECHNOLOGY

3.2.1 Introduction of one more specialization in M.Tech (Computer Science & Engineering) with specialization in Data Science.

Department of Computer Sc. & Engineering & Information Technology is running M.Tech (Computer Sc. & Engg.) and M.Tech (Computer Sc. & Engg.) with specialization in (Information Security) with a sanctioned intake of 18 seats in each program. During last 3 years there are inadequate number of admissions to the M.Tech (CSE) program and no admissions to M.Tech (CSE) (IS) program.

Considering the number of admissions to the program, Department has proposed for introduction of one more specialization in M.Tech (Computer Sc. & Engg) with specialization in Data Science from the Academic Session 2021-22.

Academic Council considered the proposal of the Department and in principle approved introduction of one more specialization in M.Tech (Computer Sc. & Engg) with specialization in Data Science. However, the sanctioned intake of M.Tech (Computer Sc. & Engg.) Program including two specializations i.e. (Information



Security) and (Data Science) shall remain as 18 seats only.

Since the item was not moved / recommended through the BoS of the Department, the same has to be moved / recommended through the Departmental BoS alongwith detailed Course Structure and Syllabi of the newly proposed M.Tech (CSE) with specialization in Data Science.

Prof. Lalit Kumar Awasthi, Director – NIT Jalandhar suggested introduction of specialization in Artificial Intelligence considering the scope of the program. Chairman, Academic Council informed the members that Department has already proposed for One Year Certificate Course in Artificial Intelligence and Machine Learning.

3.2.2 Introduction of One Year Certificate Course in Artificial Intelligence and Machine Learning.

Chairman, Academic Council informed the members about the letter received from Chairman, HPPERC (D.O. Letter No. HP-PERC11806 dated 05 October, 2020) wherein he has requested for initiating Skill Development Courses in the University for building additional capabilities of Diploma, UG & PG students so as to match with the industry needs.

Considering the request, Departments of Civil Engg., Biotechnology & Bioinformatics, Computer Sc. & Engg and Information Technology and Humanities & Social Sciences have offered various Skill Development Certificate Courses of different durations.

In Principle approval of the Academic Council was sought for introduction of such skill development certificate courses.

Prof. S. C. Saxena observed that the item had not been moved through the BoS of the Department and Entry level qualification, course contents, duration of the course etc. had yet to be worked out. He suggested the detailed proposal be submitted for approval by the Academic Council. Academic Council in principle approved the item.

Prof. Lalit Kumar Awasthi, Director – NIT Jalandhar suggested introduction of PG Diploma with certain specific credits and certificate alongwith credits earned for each course / component.

Academic Council considered the suggestion and directed to come up with detailed proposal in next Academic Council meeting.



3.2.3 Approval for Course Structure of Open Electives for B.Tech (Computer Sc. & Engineering) & B.Tech (Information Technology) Programs.

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for approval of the Course Structure of Open Electives for students of other than CSE & IT.

Academic Council considered the recommendation of the Departmental BoS and approved the Course Structure of Open Electives as given in Annexure – 6.

3.2.4 Approval for detailed syllabus of Open Electives for B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology) Program.

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for approval of the detailed syllabus of Open Electives for students of other than CSE & IT.

Academic Council considered the recommendation of the Departmental BoS and approved the detailed syllabus of Open Electives as given in Annexure - 7.

3.2.5 Approval for detailed syllabus of Proficiency Courses of B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology) Programs.

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for approval of the detailed syllabus of Proficiency Courses of B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology).

Academic Council considered the recommendation of the Departmental BoS and approved the detailed syllabus of Proficiency Courses of B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology) as given in **Annexure – 8**.

3.2.6 Approval for change in detailed syllabus of Multimedia Development Lab – II. for B.Tech (CSE & IT)

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for change in detailed syllabus of Multimedia Development Lab-II for B.Tech (CSE & IT).

Academic Council considered the recommendation of the Departmental BoS and approved the change in detailed syllabus of Multimedia Development Lab-II is as given in Annexure - 9.



3.2.7 Approval for change in the nomenclature of the Elective-I Courses of B.Tech (Information Technology)

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for change in the nomenclature of the Elective – I Courses of B.Tech (Information Technology).

Academic Council considered the recommendation of the Departmental BoS and approved the change in the nomenclature of the Elective-I Courses of B.Tech (Information Technology) as under:-

Existing Nomenclature		Approved change in nomenclature
Computer Graphics	-	Computer Graphics and its Applications (20B1WCI733)
Computer Graphics Lab	-	Computer Graphics and its Applications Lab (20B17CI773)

The detailed syllabus of the courses with changed nomenclature is given in Annexure - 10.

3.2.8 Approval for change in the title of the Project of B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology) program for batches 2018 onwards.

Department of Computer Sc. & Engineering and Information Technology through its BoS held on 15.12.2020 has recommended for change in the title of the Project of B.Tech (Computer Sc. & Engg.) and B.Tech (Information Technology) programs for batches 2018 onwards.

Academic Council considered the recommendation of the Departmental BoS and approved the change in the title of the Project of B.Tech (CSE) and B.Tech (IT). The approved changes are as under:-

6th Semester Project – I to be stated as Minor Project

7th Semester Project – II to be stated as Major Project – I

8th Semester Project – III to be stated as Major Project – II



3.3 DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

3.3.1 Introduction of New Undergraduate Program B.Tech in Electronics and Computer Engineering with an intake of 60 seats.

Department is running B.Tech (Electronics & Comm. Engg.) program which is not attracting sufficient number of admissions to the program and continuous downfall in number of admissions to the program is observed since last 3 to 4 years. Earlier the sanctioned intake of the program was 120 and considering the shortfall in the number of admissions to the program the sanctioned intake was reduced to 60 seats. This year also admitted strength was only 20 students against 60 sanctioned seats to the program.

Considering the above facts, the Department through its BoS held on 12.12.2020 recommended for introduction of B.Tech in Electronics & Computer Engineering with an intake of 60 seats to the program from the Academic Session -2021-22.

Academic Council considered the recommendation of the Departmental BoS and approved introduction of new undergraduate program B.Tech in Electronics and Computer Engineering with sanctioned intake of 60 seats to the program in addition to existing B.Tech (Electronics & Comm. Engg.) from the Academic Session 2021-22. The detailed Course Structure of the program is as given in **Annexure – 11**.

Prof. S. C. Saxena suggested teaching of CSE related basic courses by involvement of existing faculty of ECE department having expertise of the subject. Faculty for newly introduced UG courses should be worked out and recruitment be done considering the course content of the UG program.

3.3.2 Approval for changes in the Course Structure of M.Tech (Electronics & Communication Engg.) Program.

Department of Electronics and Communication Engineering through its BoS held on 12.12.2020 has recommended for change in the Course Structure of M.Tech (Electronics & Comm. Engg.) program for the Academic Session – 2021-22.

Academic Council considered the recommendation of the Departmental BoS and approved the change in the Course Structure of M.Tech (Electronics & Comm.Engg.) program from the Academic Session – 2021-22. The approved Course Structure of the Program is as given in **Annexure** – 12.



3.3.3 Introduction of M.Tech (Electronics & Comm. Engg.) with specialisation in Internet of Things (IoT) in the existing M.Tech Program in Electronics & Comm. Engg.

Department of Electronics & Communication Engineering is running M.Tech (Electronics & Comm. Engg.) Program with a sanctioned intake of 18 seats. M.Tech in (Electronics & Comm. Engg.) is not attracting admissions to the program since last four academic sessions i.e. from 2017-18 onwards.

The Department through its BoS held on 12.12.2020 recommended introduction of M.Tech (Electronics & Comm. Engg.) with specialization in Internet of Things (IoT) from the Academic Session 2021-22.

Academic Council considered the recommendations of Departmental BoS and approved introduction of M.Tech (Electronics & Comm. Engg.) with specialization in Internet of Things (IoT) from the Academic Session 2021-22. However, the sanctioned intake of M.Tech (Electronics & Comm. Engg.) Program including specialization i.e. (Internet of Things) shall remain 18 seats only. The detailed Course Structure of M.Tech (Electronics & Comm. Engg.) with specialization in Internet of Things is given in **Annexure** – 13.

3.3.4 Approval of detailed syllabi of Proficiency Courses of B.Tech (Electronics & Comm. Engg.) Program.

Department of Electronics and Communication Engineering through its BoS held on 12.12.2020 has recommended for approval of detailed syllabi of Proficiency Courses of B.Tech (Electronics & Comm. Engg.) Program.

Academic Council considered the recommendation of the Departmental BoS and approved the detailed syllabi of Proficiency Courses of B.Tech (Electronics & Comm. Engg.) Program. The approved detailed syllabus of Proficiency Courses is given in **Annexure – 14.**

3.3.5 Approval for new Courses and Syllabus for PG Program.

Department of Electronics and Communication Engineering through its BoS held on 12.12.2020 has recommended for approval of new courses and syllabus for PG program.

Academic Council considered the recommendation of the Departmental BoS and approved new courses and syllabus for PG programs. The approved new courses and its syllabus is given in Annexure - 15.



3.4 DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

3.4.1 Introduction of BBA (Bachelor of Business Administration) Program from Academic Year 2021-22 with a sanctioned intake of 90 seats.

In order to provide multidisciplinary approach and diversity mandated by New Education Policy and to open a channel of admission for Business and Management courses for students who have done 10+2 and are interested in taking Management Degree as a career, Department of Humanities and Social Sciences has proposed for introduction of BBA (Bachelor of Business Administration Program) from the Academic Year 2021-22 with a sanctioned intake of 90 seats to the program.

Academic Council considered the proposal of the Department and in principle approved introduction of BBA (Bachelor of Business Administration) program from the Academic Session -2021-22. The detailed proposal of the department is given in **Annexure** – 16.

The Academic Council directed that the same must be moved / recommended through the Departmental BoS alongwith details of entry level qualification, mode of admission, selection criteria, no. of seats, Fee structure, Credit requirement, Course Structure and syllabi of the newly proposed BBA program.

ITEM NO. 4 APPROVAL OF THE MINUTES OF MEETING OF BOARD OF STUDIES (BoS) OF DEPARTMENTS

- 4.1 Academic Council considered the Minutes of Board of Studies (BoS) of Department of Biotechnology / Bioinformatics held on 05.12.2020 as given in Annexure 17 and noted the contents.
- 4.2 Academic Council considered the Minutes of Board of Studies (BoS) of Department of Computer Sc. & Engg. and Information Technology held on 15.12.2020 as given in **Annexure 18** and noted the contents.
- 4.3 Academic Council considered the Minutes of Board of Studies (BoS) of Department of Electronics & Comm. Engg. held on 12.12.2020 as given in **Annexure 19** and noted the contents.



ITEM NO. 5 REPORTING ITEMS

The following Reporting Items were considered and approved by the Academic Council:-

5.1 To ratify admission status for the Academic Session 2020-21.

Chairman apprised the members about the admission status for the Academic Session 2020-21.

5.2 Implementation of NAD (National Academic Depository) through Digilocker.

Members were apprised about the implementation of NAD through Digilocker and status of uploaded documents. The format of Final Degree Parchement as per Digilocker is as given in Annexure - 20.

5.3 Printing of Degree Parchment

Chairman apprised the members about the status of printing of Degree Parchment. Total 461 degree parchments were printed and are ready for dispatch to the students. Degree Scroll is as given in Annexure - 21.

5.4 Document Retention Policy for the Alumni.

Members were apprised about the document retention policy for the alumni wherein some important documents for retention were identified and unwanted folios were discarded. The proceedings of the Committee constituted for segregation is as given in $\mathbf{Annexure} - 22$.

5.5 Classification of Files maintained at Registry.

Chairman apprised the members about the classification of files maintained at Registry considering the importance of the documents and retention period of the file. Details of files maintained by each individual staff alongwith approved classification are as given in **Annexure – 23**.

5.6 Repolishing of Medals of Merit.

Members were apprised about the repolishing of Medals of Merit which had deteriorated due to long storage.

5.7 Annual Report.

Members were apprised about the printing of Annual Report of JUIT for 2018-19 and 2019-20 and submission to Regulatory Body and Govt. of H.P. in compliance to JUIT Act.



5.8 Placement Status 2020 passed out batch and 2021 passing out batch.

Members were apprised of the placement status for 2020 passed out batch and 2021 passing out batch. The placement status of 2020 passed out batch is as given in **Annexure – 24** and for 2021 passing out batch is as given in **Annexure – 25**.

5.9 Teaching learning process for ODD Semester 2020.

Members were informed about the teaching learning process adopted for the ODD Semester 2020 separately for intermediate students and newly admitted students.

5.10 Change in nomenclature of two courses of Minor in Information Technology.

Members were apprised about the change in nomenclature of two courses of Minor in Information Technology. The approved changes are as under:-

Existing Nom	enclature	Approved changes in Nomenclature		
Software Eng (3 Credits)	ineering	Software Engineering Practices (3 Credits)		
	Engineering	Software Engineering Practices La (2 Credits)		

Approval of the Chairman, Academic Council is as given in Annexure - 26.

ITEM NO. 6 ANY OTHER ITEM WITH THE PERMISSION OF THE CHAIR

Sh. Sunil Sharma Ji, Executive Vice Chairman, JAL appreciated the efforts being made for improving the academic content and quality. He also suggested the following:-

- 1. Certain valuable inputs had been forwarded by Academic Council members to enhance the academic standards and practices so as to improve University rankings. These inputs must be shared with other members too. The Chairman informed that he is compiling the inputs received from the members and will share the same.
- 2. Need for restructuring of the Course Structure considering demand of the industry so as to make students more employable in the industry. Practical sessions to provide hands on experience should be incorporated in the course structure.
- 3. There is a need to develop skill development courses within the University considering the entrepreneurship needs of the region of Himachal, Chandigarh, Punjab and other adjoining areas so as to motivate the youth for self employment.



- 4. The alumni network should be capitalised for enhancing the perception of the University.
- 5. Courses where sufficient number of admissions are not forthcoming should either be dropped or outflow of expenses on such courses to be minimized.
- 6. Introduction of MBA program can be evaluated for commencement.

Lt Gen Ravindra Mohan Chadha, PVSM, AVSM (Retd.) suggested for following:-

- 1. Need to explore admission of defence personnel in PG programs.
- 2. Placement initiatives should be carried out by nominating a dedicated team for such purpose.
- 3. Efforts for placement drive under University Entry Scheme should be made to place the students in Defence Services Technical Arms / Services.

There being no other points, meeting ended with a vote of thanks to the Chair.

Maj Gen Rakesh Bassi, SM (Retd) Registrar & Non-Member Secretary

Approved

Prof. Vinod Kumar Vice Chancellor Chairman

