UNIVERSITY INSITUTE OF ENGINEERING & TECHNOLOGY
MEETING CIRCULAR

It is my pleasure to inform you that you have been appointed as a member of Board of Studies (BoS) for the University Institute of Engineering & Technology. List of the BoS members is given below:

S.No.	Name	Subject	Designation	Institute	Position	Signature
1.	Prof. (Dr.)Aneet Kumar	Education	Dean Academics	SBBSU	Chairman	
2.	Dr. Vijay Dhir	Computer Science Engineering	Professor, Dean UIET and Director NAAC	UIET	Member	
3.	Dr. Jagdeep Kaur	Computer Science Engineering	Associate Professor, Dy. Dean UIET and Head CSE	UIET	Member	
4.	Dr.Gurmanik Kaur	Electrical and Civil Engineering	Associate Professor and Head EE	UIET	Member	
5.	Dr.Amrinder Singh	Mechanical Engineering	Assistant Professor and Head ME	UIET	Member	
6.	Dr. Sandeep Kumar Chandel	Civil Engineering	Assistant Professor and Head CE	UIET	Member	
8.	Dr.Brijesh Bakariya	Computer Science	Assistant Professor & Head	IKG PTU Hoshiarpur	Expert (Academician)	Online
9.	Mr. Sajeev Kumar Gabba	Engineering	Technical Director	National Informatics Center	External Industry Expert	
10.	Er. Kanwarpreet Singh	Engineering	MD	CodeApp Technologies	External Industry Expert	Online
11.	Er. Ramanpreet Kaur	Computer Science Engineering	Assistant Professor	UIET	Alumni	

12.

Sant Baba Bhag Singh
UNIVERSITY

Village: Khiala: PO: Padhiana, Distt: Jalandhar 144030
Website: www.sbbsuniversity.ac.in   Phone: 0181-2711163   Fax: 0181-2711555

Members from the other institutes of SBBSU are as follow:

S.No.	Designation	Position	Signature
1.	Dr.Aneet Kumar (Dean UIE) / His or Her representative	Member	
2.	Dr. Seema Garg (Dean UICM,UIL& UICA) /His or Her representative	Member	
3.	Dr.Shweta Singh (Dean UISH) /His or Her representative	Member	
4.	Dr. Ramandeep Kaur Chahal (Dean UICM) / His or Her representative	Member	
4.	Dr. Sandeep Randhawa (Director, T&P Department)	Member	

You are requested to attend the online meeting in the Conference room of Block No. 5 of SBBSU on 7th March, 2023 at 10am. The detailed agenda of the meeting will be as follow:

1. Discussion and approval of course scheme and syllabus of B.Tech and M.Tech as per New Education Policy in the department of CSE, ME, Civil and EE
2. Discussion and approval to add Ability Enhancement, Skill Enhancement, Multidisciplinary and Value Addedcourses in Engineering.
3. Discussion and approval to add Minor degree in Engineering programs as per AICTE 2020 model.
4. Amendments or any suggestions by the experts regarding scheme and syllabus.

Thank you in anticipation.

(Dr. Jagdeep kaur)
Dy. Dean & Coordinator CSE
UIET, SBBSU

Dr.Vijay Dhir
Dean
UIET, SBBSU

SANT BABA BHAG SINGH UNIVERSITY

University Institute of Engineering and Technology

Ref. No: SBBSU/UIET/145

Dated: 9/3/23

Subject: Proceedings of the meeting of Board of Studies (BoS) of Departments of CSE, Civil, ME and Electrical Engineering, University Institute of Engineering and Technology

The meeting of members of BoS was held on 7th March, 2023 (date), 11:00am (time), at Dean UIET office (place) through online mode. Dr. Brijesh Bakariya, IKG PTU, Hoshiarpur campus was the external expert (acdemician) present through Online mode. Mr. Sanjeev Kumar Gabba, Scientist E, National Informatics Center and Er. Kanwarpreet Singh, MD, CodeApp technologies, Mohali were Industry Experts, present in Online mode.

The following members were present and approved the points discussed below.

S.No	Name	Subject	Designation	Institute	Position	Signature
1.	Dr. Aneet Kumar	Education	Professor, Dean Academics	SBBSU, UIE	Chairman	
2.	Dr. Vijay Dhir	Computer Science Engineering	Professor, Dean UIET and Director NAAC	UIET	Member	
3.	Dr. Jagdeep Kaur	Computer Science Engineering	Associate Professor, Dy. Dean UIET and Head CSE	UIET	Member	
5.	Dr. Gurmanik Kaur	Electrical Engineering	Associate Professor and Head EE	UIET	Member	
6.	Dr. Amrinder Singh	Mechanical Engineering	Associate Professor and Head ME	UIET	Member	
7.	Dr. Sandeep Kumar Chandel	Civil Engineering	Assistant Professor and Head CE	UIET	Members	Chandel Online
8.	Dr. Brijesh Bakariya	Computer Science Engineering	Assistant Professor & Head	IKG PTU, Hoshiarpur	Expert (Academician)	Online
9.	Mr. Sanjeev Kumar Gabba (DIO),	Computer Science Engineering	Scientist-E	National Informatics Center	Expert (Industry)	
10.	Er. Kanwarpreet Singh	Computer Science Engineering	Managing Director	CodeApp Technogies	Expert (Industry)	Online

The following Agenda Items were discussed and approved in this BoS meeting:

1. For B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019), there is no need to categorize courses under Major and Minor. They can be categorized as per AICTE model into Professional Core Courses, Professional Elective Courses, Open Electives Courses, Basic Sciences, Engineering Sciences, Project, seminar and Summer Industry Internships.

2. Humanities and Social Sciences including Management Courses can be part of Multidisciplinary courses or Ability Enhancement Course.

3. Mandatory courses as per AICTE model has no credits, but as the University is implementing NEP throughout the curriculum, and the pool offered by the University for these courses has credits, so these courses may be given credits as per university rules.

4. Multidisciplinary courses in CSE- Introductory Concepts of Computer Technology, Introductory Concepts of Computer Technology (P), Computer Fundamentals and programming, Agri-Informatics, Basics of Computers Laboratory, Basics of Computer Sciences, Basics of computer Sciences Laboratory, Computers for Chemists, Computer in Chemistry Laboratory, Fundamentals of Computer Science, Fundamentals of Computer Science Laboratory, Computer application in Physical Education, Computer Graphics with new codes as offered is approved in BOS.

5. Multidisciplinary courses in Electrical Engineering- Embedded Systems, Electrical Materials, Electric Power Utilization, Wavelet Theory and Applications, Industrial Automation, Electronic Devices, Instrumentation in Power System, VLSI design, Computational Intelligence, Analog and Digital Communication, Biomedical Instrumentation, Power Plant Engineering with new codes as offered is approved in BOS.

6. Skill Enhancement Course to be offered by Electrical Engineering department- Electrical Wiring with new code is approved in BOS.

7. Value added Courses offered in Engineering- Basic E-skills, Basic Electrical Safety and Sustainable living with new codes is approved in BOS.

8. Vocational Courses offered by the Computer Science and Engineering department in PC Hardware and Networking, Data Analytics with new codes is approved in BOS.

9. B.Tech Mechanical Engineering with minor specialization in Artificial Intelligence and Machine Learning is approved for implementation for 2023 batch. This initiative can be taken by Electrical and Civil Engineering departments too. Faculty requirement to be taken into consideration during implementation.

10. In M.Tech CSE (PG015), AICTE model should be followed but Research based courses: Research Methodology (CSE605), Research and Publication Ethics (CSE607), Applications of ICT tools in

research (CSE609), Intellectual Property Rights (CSE606) and Technical writing (CSE608) can be added. Giving more stress upon Research based core subjects in CSE- Cryptography and Information Security (CSE601), Cloud Computing Technology (CSE603), Advanced Computer Networks (CSE602), Big Data Analytics (CSE604) is good initiative.

11. Dissertation-I and Dissertation-II in M.Tech 3rd and 4th semester, as per AICTE model is well incorporated.

12. Four weeks Industrial Training after 4th semester, during vacations in all UG programmes of Engineering, and its evaluation in 5th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

13. Six weeks Industrial Training after 6th semester, during vacations in all UG programmes of Engineering, and its evaluation in 7th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

14. Addition of Value Added Course in M.Tech may be considered.

15. Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC), Multidisciplinary courses (MDC), Value added Courses (VAC) and Vocational courses added in the Engineering programme stands approved.

16. As suggested various departments of Engineering should follow AICTE guidelines, with minor changes in the interest of stakeholders.

17. Scheme and Syllabus of B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019) is approved in BOS

18. Scheme and Syllabus of M.Tech (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019) with modifications is approved in BOS

DEAN UIET

Dy. Dean UIET

Details of Proceedings of BoS Meeting

(Point-wise description and incorporated changes)

S. No.	Programme Name/ Programme Code	Course Code	Course Name	Remarks by Experts	Action Taken
1.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017		Professional Core Courses, Professional Elective Courses, Open Electives Courses, Basic Sciences, Engineering Sciences, Project, seminar and Summer Industry Internships.	No need to categorize courses under Major and Minor. Categorization is to be done as per AICTE model into Professional Core Courses, Professional Elective Courses, Open Electives Courses, Basic Sciences, Engineering Sciences, Project, seminar and Summer Industry Internships.	Categorized as per nomenclature of AICTE
2.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017	MDC010 MDC020 MDC021 MDC022 MDC025 MDC028 MDC036 MDC037 MDC038	Organizational Behaviour Gender, Culture and Development Universal human Values Human Values and Professional ethics Environmental Science Biology for Engineers Engineering Chemistry Engineering Mathematics-I Engineering Mathematics-II	Humanities and Social Sciences including Management Courses can be part of Multidisciplinary courses or Ability Enhancement Course.	All Interdisciplinary courses are incorporated in Multidisciplinary pool and Ability enhancement pool, common across the university.
3.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017	MDC022	**Multidisciplinary courses= 3 credits** Human Values and Professional Ethics	Mandatory courses as per AICTE model has no credits, but as the University is implementing NEP throughout the curriculum, and the pool offered by the University for these courses has credits , so these courses may be given credits as per university rules.	Value added courses= 3 credits Skill Enhancement courses= 3 credits Multidisciplinary courses= 3 credits Ability Enhancement courses = 2 credits
4.	B.Tech CSE / UG018	a. MDC040 b. MDC041 c. MDC042 d. MDC043 e. MDC044 f. MDC045	a. Introductory Concepts of Computer Technology b. Introductory Concepts of Computer Technology (P) c. Computer Fundamentals and programming d. Agri-Informatics e. Basics of Computers Laboratory f. Basics of Computer	Multidisciplinary courses in CSE with new codes may be approved	New codes assigned to all multidisciplinary courses in CSE

				Sciences		
		g. MDC046		g. Basics of computer Sciences Laboratory		
		h. MDC047		h. Computers for Chemists		
		i. MDC048		i. Computer in Chemistry Laboratory		
		j. MDC049		j. Fundamentals of Computer Science		
		k. MDC050		k. Fundamentals of Computer Science Laboratory		
		l. MDC051		l. Computer application in Physical Education		
		m. MDC052		m. Computer Graphics		
5.	B.Tech EE/ UG019			a. Embedded Systems b. Electrical Materials c. Electric Power Utilization d. Wavelet Theory and Applications e. Industrial Automation f. Electronic Devices g. Instrumentation in Power System h. VLSI design i. Computational Intelligence j. Analog and Digital Communication k. Biomedical Instrumentation l. Power Plant Engineering	Multidisciplinary courses in Electrical Engineering may be assigned new codes	Assigned new codes
6.	B.Tech EE/ UG019	SEC029		Electrical Wiring	Skill Enhancement Course to be offered by Electrical Engineering department with new code	Electrical wiring introduced new code
7.	B.Tech CSE / UG018 B.Tech EE/ UG019 B.Tech ME/ UG021	VAC019 VAC020 VAC021		Basic E-skills, Basic Electrical Safety Sustainable living	Value added Courses already being offered in Engineering may be provided new codes.	Basic E-skills, Basic Electrical Safety and Sustainable living, assigned new codes
8.	B.Tech CSE / UG018	VOC006		a. PC Hardware and Networking b. Data Analytics	Vocational Courses offered by the Computer Science and Engineering department may be provided new codes.	
9.	B.Tech ME / UG021			B.Tech Mechanical Engineering with minor specialization in Artificial Intelligence and Machine	B.Tech Mechanical Engineering with minor specialization in Artificial Intelligence and Machine Learning is approved for	Implemented for 2023 batch onwards in ME.

			Learning	implementation for 2023 batch. This initiative can be taken by Electrical and Civil Engineering departments too. Faculty requirement to be taken into consideration during implementation.	
10.	M.Tech CSE / PG015	CSE605 CSE607 CSE609 CSE606 CSE608 CSE601 CSE603 CSE602 CSE604	**Research based courses** a. Research Methodology b. Research and Publication Ethics c. Applications of ICT tools in research d. Intellectual Property Rights e. Technical writing **Research based core subjects in CSE-** a. Cryptography and Information Security b. Cloud Computing Technology c. Advanced Computer Networks d. Big Data Analytics	AICTE model should be followed but Research based general and core courses may be incorporated in M.Tech CSE	Research based subjects incorporated in M.Tech CSE
11.	M.Tech CSE / PG015	CSE611 CSE602	Dissertation-I Dissertation-II	Already implemented in M.Tech 3rd and 4th semester, as per AICTE model.	Implemented in M.Tech since 2019
12.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017	CSE375	Four weeks Industrial Training after 4th semester	Trainings and Internships are important part of Curriculum hence Four weeks industrial training must be added in all departmental schemes of Engineering. Trainings will enhance the practical skills of the students and will make them employable.	**After 4th semester during vacations:** 4 weeks industrial training already incorporated in all UG schemes of engineering and its evaluation is done in 5th semester.
13.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017	CSE473	Six weeks Industrial Training after 6th semester	Six weeks industrial training must be added in all departmental schemes of Engineering.	**After 6th semester, during vacations:** 6 weeks industrial training incorporated in all UG schemes of Engineering and its evaluation done in 7th semester
14.	M.Tech CSE / PG015		Value Added Course	Value Added Course may be incorporated in M.Tech CSE	Incorporated
15.	B.Tech CSE / UG018 B.Tech ME/ UG021		Ability Enhancement Courses (AEC) Skill Enhancement Courses (SEC)	Courses added in the Engineering programme are meaningful.	Incorporated

	B.Tech EE/ UG019 B.Tech CE/ UG017		Multidisciplinary courses (MDC) Value added Courses (VAC) Vocational courses		
16.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017 M.Tech CSE/PG015			Minor changes in the UG and PG programmes can be incorporated on the interest of stakeholders.	
17.	B.Tech CSE / UG018 B.Tech ME/ UG021 B.Tech EE/ UG019 B.Tech CE/ UG017 M.Tech CSE/PG015			Scheme and Syllabus of B.Tech (all branches of Engineering) is as per the market needs and is approved in BOS	Changes in Schemes and syllabus of B.Tech 2023 onwards has been duly incorporated
18.	M.Tech CSE/PG015			Scheme and Syllabus of M.Tech CSE (2023 batch onwards) is as per the market needs and is approved in BOS	Changes in Scheme and syllabus of M.Tech CSE 2023 onwards has been duly incorporated

Other Suggestions of External Experts (Not covered above):

S. No.	Name of Expert	Designation/Address	Expert's suggestions	Action Taken
1.	Dr. Brijesh Bakariya	Professor, Guru Nanak Dev University. Amritsar	Good initiatives have been taken in Engineering. Minor changes may be incorporated in the curriculum, in the interest of stakeholders.	

Meeting ended with the thanks by Dean Academics.

Thanks you in anticipation

In-Charge/Coordinator/Head of the Department

Dean of Institute

SANT BABA BHAG SINGH UNIVERSITY KHIALA, JALANDHAR
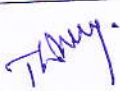
UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ref. No: SBBSU/UIET/143   Date: 21/2/23

Subject: Curriculum Development Committee of University Institute of Engineering and Technology

Curriculum Development Committee has been constituted for reviewing syllabus and thereafter conducting meeting of Board of Studies (BOS) of the University Institute of Engineering and Technology.

The following members are part of this Committee:-

S.No	Name	Subject	Designation	Institute	Position	Signature
1.	Dr. Vijay Dhir	Computer Science Engineering	Professor Dean UIET and Director NAAC	UIET	Chairman	
2.	Dr. Jagdeep Kaur	Computer Science Engineering	Associate Professor, Dy. Dean UIET and Head CSE	UIET	Member Secretary	
3.	Dr. Gurmanik Kaur	Electrical Engineering	Associate Professor and Head EE	UIET	Member	
4.	Dr. Amrinder Singh	Mechanical Engineering	Associate Professor and Head ME	UIET	Member	
5.	Dr. Sandeep Kumar Chandel	Civil Engineering	Assistant Professor and Coordinator CE	UIET	Member	

Thanks & Regards

Dr. Jagdeep Kaur

Dy. Dean UIET

Dr. Vijay Dhir

Dean UIET

Subject: Proceedings of Meeting held on 21st February 2023 of Curriculum Development Committee of University Institute of Engineering and Technology.

The following Agenda was discussed and recommended for approval in Board of Studies (BOS) as follows.

1. For B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019), there is no need to categorize courses under Major and Minor. They can be categorized as per AICTE model into Professional Core Courses, Professional Elective Courses, Open Electives Courses, Basic Sciences, Engineering Sciences, Project, seminar and Summer Industry Internships.

2. Humanities and Social Sciences including Management Courses can be part of Multidisciplinary courses or Ability Enhancement Course.

3. Mandatory courses as per AICTE model has no credits, but as the University is implementing NEP throughout the curriculum, and the pool offered by the University for these courses has credits , so these courses may be given credits as per university rules.

4. Multidisciplinary courses in CSE- Introductory Concepts of Computer Technology, Introductory Concepts of Computer Technology (P), Computer Fundamentals and programming, Agri-Informatics, Basics of Computers Laboratory, Basics of Computer Sciences, Basics of computer Sciences Laboratory, Computers for Chemists, Computer in Chemistry Laboratory, Fundamentals of Computer Science, Fundamentals of Computer Science Laboratory, Computer application in Physical Education, Computer Graphics with new codes as offered is approved in BOS.

5. Multidisciplinary courses in Electrical Engineering- Embedded Systems, Electrical Materials, Electric Power Utilization, Wavelet Theory and Applications, Industrial Automation, Electronic Devices, Instrumentation in Power System, VLSI design, Computational Intelligence, Analog and Digital Communication, Biomedical Instrumentation, Power Plant Engineering with new codes as offered is approved in BOS.

6. Skill Enhancement Course to be offered by Electrical Engineering department- Electrical Wiring with new code is approved in BOS.

7. Value added Courses offered in Engineering- Basic E-skills, Basic Electrical Safety and Sustainable living with new codes is approved in BOS.

8. Vocational Courses offered by the Computer Science and Engineering department in PC Hardware and Networking, Data Analytics with new codes is approved in BOS.

9. B.Tech Mechanical Engineering with minor specialization in Artificial Intelligence and Machine Learning is approved for implementation for 2023 batch. This initiative can be

taken by Electrical and Civil Engineering departments too. Faculty requirement to be taken into consideration during implementation.

10. In M.Tech CSE (PG015), AICTE model should be followed but Research based courses: Research Methodology (CSE605), Research and Publication Ethics (CSE607), Applications of ICT tools in research (CSE609), Intellectual Property Rights (CSE606) and Technical writing (CSE608) can be added. Giving more stress upon Research based core subjects in CSE- Cryptography and Information Security (CSE601), Cloud Computing Technology (CSE603), Advanced Computer Networks (CSE602), Big Data Analytics (CSE604) is good initiative.

11. Dissertation-I and Dissertation-II in M.Tech 3rd and 4th semester, as per AICTE model is well incorporated.

12. Four weeks Industrial Training after 4th semester, during vacations in all UG programmes of Engineering, and its evaluation in 5th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

13. Six weeks Industrial Training after 6th semester, during vacations in all UG programmes of Engineering, and its evaluation in 7th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

14. Addition of Value Added Course in M.Tech may be considered.

15. Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC), Multidisciplinary courses (MDC), Value added Courses (VAC) and Vocational courses added in the Engineering programme stands approved.

16. As suggested various departments of Engineering should follow AICTE guidelines, with minor changes in the interest of stakeholders.

17. Scheme and Syllabus of B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019) is approved in BOS

18. Scheme and Syllabus of M.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019) is approved in BOS

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www.sbbsuniversity.ac.in

Reference No- *SBBSU|UIET|144*   Date- **6|3|2023**

To

Dr. Brijesh Bakariya
Assistant Professor
IKG PTU, Hoshiarpur Campus
Email- dr.brijeshbakariya@ptu.ac.in
Contact- +91-992-645-3721

Subject:- Invitation for Board of studies in University Institute of Engineering & Technology, on 7th March 2023 at 10am in Online mode

Respected Sir,

It is for your the kind information that the online meeting of Board of Studies (BOS) of UIET, SBBSU, Khiala, Jalandhar is scheduled on 7th March, 2023. And you have been nominated as an expert for the BOS from the competent authority.

I feel honour to invite you as an expert for the approval of course scheme and syllabus of B.Tech and M. Tech and start of minor degree in Engineering programs. Your experience and expertise will be of great help to the Institute and the University.

You are requested to kindly spare your valuable time to participate in online BOS on 7th March, 2023 at 10 am.

Warm Regards
Dean UIET

Reference No- SBBSU| UIET |144   Date- 6|3|23

To

Er. Kanwarpreet Singh
Head of Engineering
CodeApp technogies, Mohali
Contact- 9646227226

Subject:- Invitation for Board of studies in University Institute of Engineering & Technology, on 7th March 2023 at 10am in Online mode

Respected Sir,

It is for your kind information that the online meeting of Board of Studies (BOS) of UIET, SBBSU, Khiala, Jalandhar is scheduled on 7th March, 2023. And you have been nominated as an expert from Industry for the BOS from the competent authority.

I feel honour to invite you as an expert for the approval of course scheme and syllabus of B.Tech and M. Tech and start of minor degree in Engineering programs. Your experience and expertise will be of great help to the Institute and the University.

You are requested to kindly spare your valuable time to participate in online BOS on 7th March, 2023 at 10 am.

Warm Regards
Dean UIET

Sant Baba Bhag Singh University

(University Established under Punjab Act No.6 of 2015)
Vill.Khiala,P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

External Expert Review PerformaFor Board of Studies

Name of External Expert	:	Dr. Brijesh Bakariya
Discipline	:	Computer Science
Designation	:	Assistant Professor & Head
Organization (Name & Address)	:	IKG-PTU, Hoshiarpur
Contact No.	:	9926453721
E-Mail ID	:	dr.brijeshbakariya@ptu.ac.in
Date of Visit/Meeting	:	7th March, 2023

Reviewer's Comments :-

For B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019), there is no need to categorize courses under Major and Minor. They can be categorized as per AICTE model into Professional Core Courses, Professional Elective Courses, Open Electives Courses, Basic Sciences, Engineering Sciences, Project, seminar and Summer Industry Internships.

Humanities and Social Sciences including Management Courses can be part of Multidisciplinary courses or Ability Enhancement Course.

Mandatory courses as per AICTE model has no credits, but as the University is implementing NEP throughout the curriculum, and the pool offered by the University for these courses has credits , so these courses may be given credits as per university rules.

Multidisciplinary courses in CSE- Introductory Concepts of Computer Technology, Introductory Concepts of Computer Technology (P), Computer Fundamentals and programming. Agri-Informatics. Basics of Computers Laboratory, Basics of Computer Sciences, Basics of computer Sciences Laboratory, Computers for Chemists, Computer in Chemistry Laboratory, Fundamentals of Computer Science, Fundamentals of Computer Science Laboratory, Computer application in Physical Education, Computer Graphics with new codes as offered is approved in BOS.

Multidisciplinary courses in Electrical Engineering- Embedded Systems, Electrical Materials, Electric Power Utilization, Wavelet Theory and Applications, Industrial Automation, Electronic Devices, Instrumentation in Power System, VLSI design, Computational Intelligence. Analog and Digital Communication, Biomedical Instrumentation, Power Plant Engineering with new codes as offered is approved in BOS.

Skill Enhancement Course to be offered by Electrical Engineering department- Electrical Wiring with new code is approved in BOS.

Value added Courses offered in Engineering- Basic E-skills, Basic Electrical Safety and Sustainable living with new codes is approved in BOS.

Vocational Courses offered by the Computer Science and Engineering department in PC Hardware and Networking, Data Analytics with new codes is approved in BOS.

B.Tech Mechanical Engineering with minor specialization in Artificial Intelligence and Machine Learning is approved for implementation for 2023 batch. This initiative can be taken by Electrical and Civil Engineering departments too. Faculty requirement to be taken into consideration during implementation.

07/03/2023

In M.Tech CSE (PG015), AICTE model should be followed but Research based courses. Research Methodology (CSE605), Research and Publication Ethics (CSE607), Applications of ICT tools in research (CSE609), Intellectual Property Rights (CSE606) and Technical writing (CSE608) can be added. Giving more stress upon Research based core subjects in CSE- Cryptography and Information Security (CSE601), Cloud Computing Technology (CSE603), Advanced Computer Networks (CSE602), Big Data Analytics (CSE604) is good initiative.

Dissertation-I and Dissertation-II in M.Tech 3rd and 4th semester, as per AICTE model is well incorporated.

Four weeks Industrial Training after 4th semester, during vacations in all UG programmes of Engineering, and its evaluation in 5th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

Six weeks Industrial Training after 6th semester, during vacations in all UG programmes of Engineering, and its evaluation in 7th semester, is a good practice carried out by the department. Trainings will enhance the practical skills of the students and will make them employable.

Addition of Value Added Course in M.Tech may be considered.

Ability Enhancement Courses (AEC), Skill Enhancement Courses (SEC), Multidisciplinary courses (MDC), Value added Courses (VAC) and Vocational courses added in the Engineering programme stands approved.

As suggested various departments of Engineering should follow AICTE guidelines, with minor changes in the interest of stakeholders.

Scheme and Syllabus of B.Tech programmes (2023 batch onwards) in Computer Science and Engineering(UG018), Mechanical Engineering(UG021), Civil Engineering(UG017) and Electrical Engineering(UG019) is approved in BOS

Scheme and Syllabus of M.Tech CSE (2023 batch onwards)

❖ Use extra sheet(s) if required.

Signature

Date 07|03|2023

Coordinator/HOD's/Dean's

Dean Academics

Sant Baba Bhag Singh University

(University Established under Punjab Act No.6 of 2015)

Vill. Khiala, P.O. Padhiana, Dist. Jalandhar, Punjab, INDIA

External Expert Review Performa For Board of Studies

Name of External Expert : Er. Kanwarpreet Singh

Discipline : Head of Sales / Engineering

Designation : Head of Sales

Organization (Name & Address) : CodeApp Technologies, Mohali

Contact No. : 9646227226

E-Mail ID :

Date of Visit/Meeting : Online (7th March, 2023)

Reviewer's Comments :-

1. AICTE guidelines may be followed in all Engineering
2. Syllabus designed and being implemented meets the needs of Industry
3. Minor specialization may be implemented in Mechanical Engineering and in future these may be introduced in other departments two, as per the needs of Stakeholders.

❖ Use extra sheet(s) if required.

Signature

Date 7/3/2023

Coordinator/HOD's/Dean's

Dean Academics