# ACTION TAKEN REPORT

## Department of Electrical and Electronics & Communication Engineering

## (School of Engineering & Technology)

**Academic Year 2021-2022 to 2017-2018**

## DIT UNIVERSITY

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# Action Taken Report

**10th Meeting of BoS, EECED:** *-Held at 11 AM onwards, 18th August 2021-Online mode Platform: MS Team*

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| **Recommendation 1**<br><br>**Agenda Item**<br>**10.1 ; 10.2 and 10.3** | 10.1 Welcome of all dignitaries.<br>10.2 To Grant leave of absence.<br>10.3 Action taken report of 9th BoS **(Annexure 10.1)**<br>• The meeting was started by the permission of Dr. Sonika Singh (Head EECE).<br>• Dr. Dhruva Chaudhary explained the actions taken on recommendations made by 9th BOS | | |
| **Action Taken** | • Dr Gagan Singh – Prof. EECE welcomed all the members of BoS.<br>• The members who could not make themselves available were granted leave of absence.<br>• ATR of 9th BoS was approved by the board and further approved by Academic Council. | • **Responsibility**<br><br>Head EECED | **18th August 2021** |
| **Recommendation 2**<br><br>**Agenda Item 10.4** | **To update the Elective baskets of following programs with Massive Open Online courses and approval of their mode of conduction with DITU credits. (Annexure 10.2.1 & 10.2.2)** (i)B.Tech EE – (CBCS and FFCBCS) (ii)B.Tech ECE–(CBCS and FFCBCS)<br>• It is proposed that if there any credits mismatching between MOOC and DITU-elective then credit mismatch will be compensated by the students through Seminar/Comprehensive Viva-Voce/Laboratory.<br><br>**<u>BOS Recommendations</u>:**<br>• The board unanimously approved that if there any credits mismatching between MOOC and DITU-elective then credit mismatch will be compensated by the students through Seminar/Comprehensive Viva-Voce/Laboratory. | | |
| **Action Taken** | • BoS recommendations have been implemented after getting approval from Academic Council. | • **Responsibility**<br><br>Head EECED | **18th August 2021** |

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| **Recommendation 3**<br><br>**Agenda Item 10.5** | **To update the course structure of following programs**<br><br>**(a)Ph.D. in EE (b)Ph.D. in ECE (Annexure 10.3.1 and 10.3.2)**<br>• Dr. Nafees Ahmad and Dr. Gaurav Dhiman represented the course structure and course content of Ph.D.-EE and Ph.D.-ECE (Annexure 10.3.1 and **10.3.2**)<br>• Dr. Nafees Ahmad explained that the elective basket of Ph.D. EE DE1 and DE2 has been extended including MOOC.<br>**BoS Recommendations:**<br>The board approved the course structure and course content of Ph.D. in EE and Ph.D. in ECE. | | |
| **Action Taken** | • BoS recommendations have been implemented after got approved by Academic Council. | • **Responsibility** Head EECED | **18th August 2021** |
| **Recommendation 4**<br><br>**Agenda Item 10.6** | **Following items were put with permission from chair (Annexure 10.4.1 - 10.4.4)**<br>(a) To update the Elective baskets of B. Tech in ECE–(CBCS)-2018-22 and 2019-23 Batches<br>• Dr. Dhruva Chaudhary explained the requirement to introduce more Elective course in DE8 and DE9 course basket to provide more flexibility to the students in CBCS system.<br>(b.) To update the Credits of M. Tech in EE– (Power System)<br>• Dr. Nafees Ahamad presented modification of credits (from 71 to 68) in M. Tech EE (Power System) to maintain uniformity in credits across the university.<br>(c)To approve the courses (To be run by EECE) for B. Tech in Computer and Communication Engg. – (FFCBCS)-2021 onwards<br>• Dr. Dhruva Chaudhary presented elective course ECF 306 Communication System and ECF 455 Information Theory and Coding to be offered in B. Tech in Computer and Communication Engineering. FFCBCS 2021 onwards.<br>(d.) To update the Elective baskets of B. Tech EE–(FFCBCS )-2021 onwards<br>• Mr. S. Bhanu Prakash explained the Basket of electives and list of electives with course content for FFCBCS in B. Tech EE with EVT courses.<br>**BoS Recommendations:**<br>• The board approved the same. | | |
| **Action Taken** | BoS recommendations have been implemented for all the above programs after getting approval from Academic Council. | • **Responsibility** Head EECED | **18th August 2021** |

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# Action Taken Report

**9th Meeting of BoS, EECED:** *-Held at 11 AM onwards, 10th March 2021-Hybrid Mode*

*Venue (Offline): EECED, HoD office ;Online Platform: MS Team*

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| **Recommendation 1**<br><br>**Agenda Item 9.1;9.2 and 9.3** | 9.1 Welcome of all dignitaries.<br>9.2 To Grant leave of absence.<br>9.3 Action taken report of 8th BoS **(Annexure 9.1)** | | |
| **Action Taken** | • Dr. Sonika Singh – Associate Professor and Head EECE welcomed all the members of BoS.<br>• The members who could not make themselves available were granted leave of absence.<br>• ATR of 8th BoS was approved by the BoS and further got approved from Academic council. | • **Responsibility**<br><br>Head EECED | **10th March 2021** |
| **Recommendation 2**<br><br>**Agenda Item 9.4** | To approve the course structure of following proposed programs to be conducted from 2021-22 onwards<br>• B.Tech in EE with specialization in Smart Electric Vehicles **(Annexure 9.2)**<br><br>**BOS Recommendations:**<br>• Dr. Robindro Lairenlakpam (Principal Scientist, Automotive Fuels and Lubricants Application Division (AFLAD) CSIR-IIP Dehradun) suggested that the name of program must be generic and it should not be very specifically as smart. Hence all Board members were agreed to rename the program as "B.Tech in EE with specialization in Electrical Vehicle Technologies" instead of "B.Tech in EE with specialization in Smart Electric Vehicles.<br>• The proposed course structure and course contents of new program under FFCBCS scheme was approved from session 2021-22 onwards. | | |
| **Action Taken** | • This program was not considered for the session 2021-22 as per recommendations of Academic Council. | • **Responsibility**<br><br>Head EECED | **10th March 2021** |

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| **Recommendation 3**<br><br>**Agenda Item 9.5** | **To review the existing syllabus and discuss the revision of course structure and detailed syllabus of odd semester of session 2021-22 for following programs.**<br><br>**(i) B.Tech EE (ii) B.Tech ECE (iii) Diploma EE (iv) Diploma ECE**<br><br>**(v) M.Tech EE with specialization in Power System /Ph.D. (EE)**<br><br>**(Annexure 9.3.1-9.3.5)**<br><br>**BOS Recommendations:**<br>• The board recommended, to reduce the credits from 166 to 160 number of Discipline Core are proposed to reduce from 15 to 12 for B.Tech EE under FFCBCS.<br>• The board recommended the revised syllabus of Analog and Digital Electronics ECF 209 for B.Tech -EE<br>• The board recommended the revised syllabus of Diploma in EE of batch 2019-22 for upcoming session 2021-22 as per the faculty feedback.<br>• The board recommended, to reduce the credits from 166 to 160 number of Discipline Core are proposed to reduce from 15 to 12. for B.Tech ECE under FFCBCS.<br>• Board approved the uniformity in L-T-P of open elective offered by ECE under CBCS scheme as 3-0-0 keeping total credits same as previous.<br>• The board recommended the revised syllabus and L-T-P of Diploma in ECE of batch 2019-22 for upcoming session 2021-22 as per the faculty feedback.<br>• Board approved the inclusion of Soft computing lab in M.Tech (EE) with specialization in Power system.<br>• Board approved the 12 credits for Dissertation-1 of M. Tech-EE-PS<br>• Board approved the new structure of Ph.D. (EE) with credits 15 | | |
| **Action Taken** | • Updated syllabus, structure and Credits of all the courses were implemented from next academic session after got approved by Academic Council. | • **Responsibility**<br><br>Head EECED | **10th March 2021** |

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# Action Taken Report

**8th Meeting of BoS, EECED:** *-Held at 11 AM onwards, 28th March 2020-Online Mode Zoom App*

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| **Recommendation 1**<br><br>**Agenda Item 8.1** | **To consider and approve Fully Flexible Choice based credit system (FFCBCS) for B.Tech (ECE) -2020 Onwards (Annexure 8.1)**<br>• The Department of EECE has proposed to implement the fully flexible choice based credit system (FFCBCS) from session 2020 onwards for undergraduate program.<br>• Sample plan of study and Syllabi of courses offered by EECE for B.Tech in ECE were placed before BOS for consideration and approval.<br>**BOS Recommendations:**<br>• A policy should be formed for all three modes of the project.<br>• Value added course nomination should be there in course structure.<br>• Inclusion of smart materials/smart structure in free elective baskets of EECE for ME students.<br>• Emphasis on practical approach based on real time problems.<br>• Recommended FFCBCS scheme and syllabus for B.Tech (ECE) | | |
| **Action Taken** | • FFCBCS scheme was implemented for B.Tech in ECE from 2020-21 after getting approval from Academic Council with incorporating the suggestions<br>• Free Electives already offered by department are suitable for maximum branches, so further addition was not possible. | • **Responsibility**<br><br>Head EECED | **28th March 2020** |
| **Recommendation 2**<br><br>**Agenda Item 8.2** | **To consider and approve Fully Flexible Choice based credit system (FFCBCS) for B.Tech (EE) -2020 Onwards (Annexure 8.2)**<br>• Sample plan of study and Syllabi of courses offered by EECE for B.Tech in EE were placed before BOS for consideration and approval.<br>**BOS Recommendations:**<br>• After due deliberations BoS recommended FFCBCS scheme and syllabus for B.Tech (EE) | | |
| **Action Taken** | • FFCBCS scheme was implemented for B.Tech in EE from 2020-21 after getting approval from Academic Council. | • **Responsibility**<br><br>Head EECED | **28th March 2020** |

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| **Recommendation 3**<br><br>**Agenda Item 8.3** | **To consider and approve the Course Structure and Syllabus of Diploma in (ECE)**<br><br>**(Annexure 8.3)**<br><br>• The Department of EECE has proposed detailed syllabus for Diploma in ECE for III[rd] semester to VI[th] semester.<br>• Scheme of courses and Syllabi of Discipline Core Courses were placed before BOS for consideration and approval.<br><br>**BOS Recommendations:**<br><br>• There should be more focus on project in Diploma and microcontroller based practical in diploma<br>• More focus on practical approach and inclusion of electives in diploma and total credits should be less.<br>• After due deliberations Board approved the same. | | |
| **Action Taken** | • All the recommendations were implemented after getting approval from Academic council. | • **Responsibility**<br><br>Head EECED | **28[th] March 2020** |
| **Recommendation 4**<br><br>**Agenda Item 8.4** | **To consider and approve the Course Structure and Syllabus of Diploma in (EE)**<br><br>**(Annexure 8.4)**<br><br>**BOS Recommendations:**<br><br>After due deliberations Board approved the same. | | |
| **Action Taken** | • Recommended Scheme and syllabus were implemented from next academic session for Diploma in EE after getting approval from Academic council. | • **Responsibility**<br><br>Head EECED | **28[th] March 2020** |

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| **Recommendation 5**<br><br>**Agenda Item 8.5** | **Any other item with the permission of the chair (Annexure 8.5)**<br><br>• The Department of EECE has proposed detailed syllabus and scheme for M.Tech(ECE) with specialization in Digital Communication and M.Tech (EE) with specialization in Power system<br><br>**BOS Recommendations:**<br><br>• Board suggested that credits in all PG programs should be same. All members were agreed for it.<br>• After due deliberations Board approved the same. | | |
| **Action Taken** | • Necessary Changes have been made.<br>• Credits in M.Tech (ECE) with Specialization in Digital communication have been revised and now it is 72.<br>• Recommended Scheme and syllabus were implemented from next academic session for M.Tech(ECE) –DC and M.Tech (EE) –PS after getting approval from Academic Council. | • **Responsibility**<br><br>Head EECED | **28th March 2020** |

Dr. Sonika Singh.
Head –EECED

Chairperson-BoS

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# Action Taken Report

**7th Meeting of BoS, EECED:** *-Held at 3 pm, 18th March 2019-Seminar Room EECED, Chanakya*

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| **Recommendation 1**<br><br>**Agenda Item 7.1** | **To consider and approve choice based credit scheme (CBCS) for B.Tech (ECE) for 3rd and 4th Year (Annexure 7.1)**<br>• The Board discussed the program structure of the 3rd and 4th year of this program<br>• It was suggested that the course **Data Structure** should be suitably renamed.<br>• The external expert, Professor B. K. Kaushik, observed that the course Discrete Mathematics is a very basic course, so it should be offered in the 3rd semester of the program, if feasible | | |
| **Action Taken** | • The program structure 3rd and 4th year-B.Tech ECE was implemented from next academic session after approval from Academic Council.<br>• The course Data Structure has been renamed as **Data structure using C** after approval from Academic Council.<br>• However the course Discrete Mathematics could not be moved to 3rd semester due to the fact that departmental core subjects presently being offered in third semester could not be shifted to later semesters. | • **Responsibility**<br><br>Head EECED | **18th March 2019** |
| **Recommendation 2**<br><br>**Agenda Item 7.2** | **To consider and approve the syllabi for the courses to be offered in the 3rd and 4th Years of B.Tech ECE program of 2017-21 batch from 2019-20.**<br>**(Annexure 7.2)**<br>• The Board was informed that in the current jobs scenario there is a growing demand of computer professionals, hence elective courses related to Computer science and Engineering were included in the B.Tech ECE program to enhance the employability of the students.<br>• Board suggested some modifications in the contents and sequence of courses. | | |
| **Action Taken** | • The board considered and approved the syllabus with minor modifications<br>• After approval from Academic Council it was implemented for the 3rd and 4th year-B.Tech ECE from next academic session. | • **Responsibility**<br><br>Head EECED | **18th March 2019** |

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| **Recommendation 3**<br><br>**Agenda Item 7.3** | **To consider and approve choice based credit scheme (CBCS) for B.Tech (EE) for 3rd and 4th Year (Annexure 7.3)**<br>• The Board discussed at length the program structure of the 3rd and 4th year of this program.<br>• The Board was further informed that the students study project was staggered in three semesters from 5th to 7th in order to give them more hands on training and exposure | | |
| **Action Taken** | • After deliberations, the Board considered and approved the same<br>• The program structure 3rd and 4th year-B.Tech EE was implemented from next academic session after getting approval from Academic Council. | • **Responsibility**<br>Head EECED | **18th March 2019** |
| **Recommendation 4**<br><br>**Agenda Item 7.4** | **To consider and approve the syllabi for the courses offered to B.Tech (EE) in 3rd and 4th Year (Annexure 7.4)**<br>• It was suggested that in place of the courses 'Photonics' and 'Nano Technology' two other electives such as 'Solar power' and 'Electric & Hybrid Vehicles' may be offered. | | |
| **Action Taken** | • After deliberations, the Board considered and approved the same.<br>• Approved syllabus was implemented for the 3rd and 4th year-B.Tech EE from next academic session after getting approval from Academic Council.<br>• Solar power' and 'Electric & Hybrid Vehicles could not be added . | • **Responsibility**<br>Head EECED | **18th March 2019** |
| **Recommendation 5**<br><br>**Agenda Item 7.5** | **To consider and approve the revised syllabi for the courses Electronic Devices and Circuits (EC201) and Computer Organization and Microprocessor (EC208) (Annexure 7.5)**<br>• Board was informed that to include semi-conductor devices in greater detail in EDC and to include greater content of computer organization in CO and MP, the minor modification in these syllabi was proposed | | |
| **Action Taken** | • After deliberations, the Board considered and approved the same.<br>• From next academic session revised syllabi were implemented after getting approval from Academic Council. | • **Responsibility**<br>Head EECED | **18th March 2019** |

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| **Recommendation 6**<br><br>**Agenda Item 7.6** | **To consider the program structure for new proposed B.Tech program in Electronics and Computer Engineering**<br><br>• The Board was informed that the department plans to propose introduction of a new program namely B.Tech -Electronics and Computer Engineering as in the near future there will be a growing demand of Electronics Engineers having expertise both in Electronics and Computer Engineering capable of offering smart solutions to various social and industrial problems. | | |
| **ction Taken** | • The Board agreed in principle to introduce this new program with effect from the academic year 2019-20 but the program could not be get approved through Academic Council. | • **Responsibility**<br><br>Head EECED | **18th March 2019** |

PROF. (Dr.) Gagan Singh.
Head –EECED

Chairperson-BoS

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# Action Taken Report

**6th Meeting of BoS, EECED:-***Held at 3 pm, 1st January 2019-Seminar Room EECED, Chanakya*

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| **Recommendation 1**<br><br>**Agenda Item 6.1** | **To consider and approve the amendment to the scheme of courses for fourth semester of B.Tech (ECE) Program**<br>• It was proposed that following two subjects be introduced in the 4th semester of B.Tech-ECE program<br>(i) Discrete Analog Circuits(EC206)<br>(ii) IC applications(EC209)<br>• The following subjects were proposed to remove from the 4th semester of B.Tech-ECE program<br>(i) Analog Circuits (EC206)<br>(ii) VLSI Technology (EC209) | | |
| **Action Taken** | • The board considered and approved the above amendments in the course structure.<br>• After approval from Academic council it was implemented for the 4th semester of B.Tech-ECE program | • **Responsibility**<br><br>Head EECED | **1st January 2019** |
| **Recommendation 2**<br><br>**Agenda Item 6.2** | **To consider and approve the syllabi for following subjects of fourth semester of B.Tech (ECE) Program**<br>(i) Discrete analog Circuits (EC206)<br>(ii) IC Applications(EC209) | | |
| **Action Taken** | • The board considered and approved with minor modifications<br>• After approval from Academic council it was implemented for the 4th semester of B.Tech-ECE program | • **Responsibility**<br><br>Head EECED | **1st January 2019** |

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| **Recommendation 3**<br><br>**Agenda Item 6.3** | **To revise syllabus of Analog VLSI Design (FA86 K0)** | | |
| **Action Taken** | • The board considered and approved the same<br>• After approval from Academic council it was implemented for B.Tech ECE 8th semester | • **Responsibility**<br><br>Head EECED | **1st January 2019** |

PROF. (Dr.) Gagan Singh.
Head –EECED

Chairperson-BoS

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# Action Taken Report 2018-19
## Department of EECE

**Date: 18th March 2019**

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| **Recommendation 1** | To consider and approve choice based credit scheme (CBCS) for the 3rd and 4th years of B.Tech (ECE) program of 2017-21 batch. **(Annexure 7.1)**<br>The Board was informed that the CBCS was already introduced and implemented in the 1st and 2nd years of the B.Tech ECE program of 2017-21 batch. The Board was further informed that the student's study project was staggered in three semester from 5th to 7th in order to impart more hands on training and experimental exposure. The Board discussed the program structure of the 3rd and 4th year of this program. The external expert, Professor B. K. Kaushik, observed that the course 'Discrete Mathematics' is a very basic course, so it should be offered in the 3rd semester of the program, if feasible. It was further suggested that the course Data Structure (EC302) should be suitably renamed. | | |
| **Action Taken** | The Board considered the above suggestions and agreed with the expert in principle. The course Data Structure has been renamed as **Data structure using C (EC 302.)** However the course Discrete Mathematics could not be moved to 3rd semester due to the fact that departmental core subjects presently being offered in third semester could not be shifted to later semesters. | Responsibility Head EECE | **18th March, 2019** |
| **Recommendation 2** | To consider and approve the syllabi for the courses to be offered in the 3rd and 4th Years of B.Tech ECE program of 2017-21 batch from 2019-20 **(Annexure 7.2)**<br>The members including the external experts observed that there are too many courses of computer science and engineering. The Board was then informed that in the current job scenario there is a growing demand of computer professionals. Hence these courses were included in the B.Tech ECE program to enhance the employability of the students. The Board was further informed that the lab hours were significantly increased in the program to give the students more practical exposure. The BOS noted that some Massive Open Online Courses (MOOCs) were also included in the program structure as electives.<br>Professor B. K. Kaushik suggested to change the title of the course EC201 (Electronic Devices and Circuits) to 'Semi-Conductor Devices'. The BOS members agreed with Professor Kaushik in principle and informed Professor Kaushik that, presently the title of the said course had to be retained because of administrative considerations.<br>Some members suggested increase in the lecture hours of the courses DIP (EC 462) and Optical Fiber Communication (EC 463) at the cost of laboratory content. However the members were informed that as the students now a days are more interested in hands on experience and practical learning, practical hours were increased only because of this reason. It was suggested by some members including External Experts and agreed by other members that the courses of Control System (EE 301) and Micro Processor-8086(EC 306) be interchanged. It was further suggested that the course Number Theory (IT 361) should be | | |

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| | replaced by some more relevant course / be dispensed with and the course speech processing (EC 476) should be replaced by video processing. | | |
| **Action Taken** | The Board considered the suggestions. The subject Microprocessor-8086 (EC 306) is included in V$^{th}$ semester and Automatic Control System (EC 309) is included in VI$^{th}$ semester. Speech processing (EC 476) is now removed and video processing (EC 476) would be included through next BOS. The annexures-7.1 and 7.2 have been modified accordingly. | Responsibility Head EECE | **18$^{th}$ March, 2019** |
| **Recommendation 3** | To consider and approve choice based credit scheme (CBCS) for B.Tech (EE) for 3$^{rd}$ and 4$^{th}$ Year **(Annexure 7.3)**<br>Board was informed that the CBCS was already introduced and implemented in the 1$^{st}$ and 2$^{nd}$ years of the B.Tech EE program of 2017-21 batch. The Board discussed at length the program structure of the 3$^{rd}$ and 4$^{th}$ year of this program. The Board was further informed that the students study project was staggered in three semester from 5$^{th}$ to 7$^{th}$ in order to give them more hands on training and exposure | | |
| **Action Taken** | **The Board considered and approved the same.** | Responsibility Head EECE | **18$^{th}$ March, 2019** |
| **Recommendation 4** | To consider and approve the syllabi for the courses offered to B.Tech (EE) in 3$^{rd}$ and 4$^{th}$ Year **(Annexure 7.4)**<br>The Board was informed that in the current jobs scenario there is a growing demand of computer professionals, hence some computer courses were included in the B.Tech EE program to enhance the employability of the students. The Board was further informed that the lab hours were significantly increased in the program to give the students more practical exposure and also that some Massive Open Online Courses (MOOCs) have been included in the program structure as electives.<br>It was suggested that in place of the courses 'Photonics' and 'Nano Technology' two other electives such as 'Solar power' and 'Electric & Hybrid Vehicles' may be offered. Alternatively, the courses on 'Nano Technology' and 'Photonics' may be revised to make it more oriented towards Electrical Engineering. | | |
| **Action Taken** | The Board considered and approved the same. The elective courses 'Photonics' and 'Nano Technology' have been presently removed. The elective courses 'Solar power' and 'Electric & Hybrid Vehicles' will be added in next BOS meeting | Responsibility Head EECE | **18$^{th}$ March, 2019** |
| **Recommendation 5** | To consider and approve the revised syllabi for the courses Electronic Devices and Circuits (EC201) and Computer Organization and Microprocessor (EC208) **(Annexure 7.5)**<br>The Board was informed that the syllabus of Electronic Devices and Circuits (EC201) is proposed to be revised to include semi-conductor devices in greater detail. Similarly the syllabus of Computer Organization and Microprocessor (EC208) is proposed to be revised to include greater content of computer organization. This has been done to enhance the knowledge base of the students. | | |
| **Action Taken** | The Board considered and approved the same. | Responsibility Head EECE | **18$^{th}$ March, 2019** |

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| **Recommendation 6** | To consider the program structure for new proposed B.Tech program in Electronics and Computer Engineering **(Annexure 7.6)**<br>The Board was informed that the department plans to propose introduction of a new program namely B.Tech -Electronics and Computer Engineering as in the near future there will be a growing demand of Electronics Engineers having expertise both in Electronics and Computer Engineering capable of offering smart solutions to various social and industrial problems. The program structure of this new program is designed to train the students to enable them to design processor based / computer based smart solutions. | | |
| **Action Taken** | The Board agreed in principle to introduce this new program with effect from the academic year 2019-20. | Responsibility<br>Head EECE | **18th March, 2019** |

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# Action Taken Report 2018-19
## Department of EECE

**Date: 1st January 2019**

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| **Recommendation 1** | To consider and approve the amendment to the scheme of courses for fourth semester of B.Tech (ECE) program **(Agenda 6.1)**<br>It is proposed that following two subjects be introduced in the 4th semester of B.Tech (ECE) program<br>1. Discrete Analog Circuits (EC206)<br>2. IC Applications (EC209)<br>The following subjects are proposed be removed from the scheme of the courses for the fourth semester of B.Tech ECE program.<br>1. Analog Circuits (EC206)<br>2. VLSI Technology (EC209)<br>The above change is being proposed to facilitate better training to the students in the subjects of Discrete Analog Circuits and IC Applications. Furthermore it is noted that the subject VLSI Technology (EC209) will be offered as departmental elective in 6th semester with same credits and different subject code.<br>The amended course structure, for semester 1 to semester 4 of B.Tech. (ECE) program, is given in Annexure-BoS - 6.1. It is noted that the course structure has been amended only for semester 4. | | |
| **Action Taken** | The Board considered and approved the above amendments in the Course Structure.. | Responsibility Head EECE | **1st January, 2019** |
| **Recommendation 2** | To consider and approve the syllabi for the following subjects of fourth semester of B.Tech (ECE) program **(Agenda 6.2)**<br>The syllabi of following subjects are given below:<br>1. Discrete Analog Circuits (EC206)<br>2. IC Applications (EC209) | | |
| **Action Taken** | The Board considered and approved with minor modifications | Responsibility Head EECE | **1st January, 2019** |
| **Recommendation 3** | To revise syllabus of 'Analog VLSI Design' (FA86K0). **(Agenda 6.3 T1 & T2)**<br><br>The present syllabus of FA86K0 includes Design of Bipolar as well as MOS analog IC design. Consequently the content of the syllabus is rather large and difficult to cover in one semester in appropriate detail. Therefore it is proposed that the syllabus may cover the design of only MOS IC so that the content may be covered in detail in one semester. Annexure- bos-6.3T1 and Annexure – BoS- 6.3 2 give present as well as proposed syllabus of FA86K0. | | |
| **Action Taken** | The Board considered and approved the same. | Responsibility Head EECE | **1st January, 2019** |

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| **Recommendation 1** | Course Structure and Ssyllabus of the Ccourses to be offered to B.Tech Programs in First Year, with reference to AICTE Proposed Model Curriculum. **(Agenda Item No. 1)**<br>• The members decided to adopt the present course structure for B.Tech Programs with reference to AICTE proposed model curriculum.<br>• The syllabus to Basic Electrical Engineering has been approved by the members for the 1st year. | | |
| **Action Taken** | The syllabi and study scheme is proposed and approved by all BOS members for 2018-19 | Responsibility Head EECE | **16th March 2018** |
| **Recommendation 2** | Course Structure and Details Syllabus to be Offered in B.Tech EE & B.Tech ECE for Third and Fourth Semester as per CBS System to be Adopted by DIT University. **(Agenda Item No. 2)**<br>• The syllabus for Electronic Device and Circuits was approved by the members.<br>• In unit II of EMFT the topic Transformer and Motional electromotive force should simply be replaced by electromotive force.<br>• In unit III of EMFT the plain waves should be corrected to Plane Waves.<br>• The syllabus of Analog Circuits was approved by the members.<br>• In case of Principle of Antenna & Wave Propagation Lab has been added.<br>• In case of Introduction to Electronics & Communication for 2nd yr. other branches<br>• In case of Signal & Systems add in unit I types of systems.<br>• The members suggested to add tutorial in case of Signal & Systems.<br>• In case of Analog & Digital Electronics it is to be modified to make it light as it is heavy.<br>• In case of EMEC-II for lab add synchronization of alternator with synchroscope.<br>• In case of Electrical Engineering Materials add new polymers which are being used for insulators.<br>• The syllabus for Electrical Power Generation has been approved by the members.<br>• The sequence of Microwave Engineering Unit I is to be revised. | | |
| **Action Taken** | The syllabi and study scheme is proposed and approved by all BOS members for 2018-19 | Responsibility Head EECE | **16th March 2018** |
| **Recommendation 3** | Course Structure & Syllabus of New Program, 1st year of Diploma in EE & Diploma in ECE. **(Agenda Item No. 3)**<br>• The members have decided to adopt the present course structure for Dip. Engg.<br>• Study of Multimeter should be added in unit 5 for the 1st year syllabus of Introduction to Electrical & Electronics.<br>• Add Zener diode study and its characteristics in unit 4 for the 1st year syllabus of Introduction to Electrical & Electronics.<br>• Lab practicals should be application based. Hence the list is to be revised. | | |
| **Action Taken** | The syllabi and study scheme is proposed and approved by all BOS members for 2018-19 | Responsibility Head EECE | **16th March 2018** |
| **Recommendation 4** | To Rationalize and Correct the Course Structure of Electives Subjects been Offered in Existing Course Structure of ECE Branch. **(Agenda Item No. 4)**<br>• The Syllabus for Power Quality has been reorganized and approved by the members. | | |

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| | • In case of ECE 4th year VII semester and ECE 4th year VIII semester the labs for electives are to be removed from the elective courses and the structure should be changed from 3 1 2 to 3 1 0 | | |
| **Action Taken** | The syllabi and study scheme is proposed and approved by all BOS members for 2018-19 | Responsibility Head EECE | **16th March 2018** |

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# Action Taken Report 2017-18
## Department of EECE

**Date: 14th April 2017**

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| **Recommendation 1** | The Course Structure and syllabus of the courses to be offered to B.Tech Programs in first year. It is proposed to offer a theory only course titled "Introduction to Engineering" in place of existing courses on "Introduction to ECE, Introduction to EE and Introduction to ME" **(Item No.1)**<br>• The members raised a point that in the case of syllabus the contents taught to 1st year students should not be repeated in the years ahead.<br>• The unit 3 should have concept of transmission and distribution introduced.<br>• The title of the unit 3 basics of electrical engineering into introduction to electrical engineering.<br>• Introduction to transformer should also be incorporated in the syllabus<br>• KVL and KCL are introduced in the 12th itself instead of that emphasis on theorems<br>• The topic introduction to electrical machines (ac & dc) should be changed to introduction to electrical generators and motors.<br>• In case of unit 5 the contents should be curtailed to create the interests of the students<br>• The transportation unit 5 should be curtailed to make it simplify.<br>• All members agreed that the all the units of subject Introduction to Engineering should not be taken by one faculty rather each unit should be taken by the concerned department.<br>• In the subject Measurement Technique-I there should be at least 1 lecture.<br>• In the subject Measurement Technique the structure 1 0 2 the new structure 2 1 2 is proposed.<br>• Introduction to Sensors should also be introduced in Measurement Techniques-I<br>• In practical experiment no.13 and 14 should be conducted by all students of all branches.<br>• In case of addition of 1 lecture the list of experiments should be relooked.<br>• The name of Measurement Technique-I is proposed to be changed to Electrical Measurements and Measurement Technique-II to be changed to Non-Electrical Measurement.<br>• Experts suggested one more practical course in Electrical & Electronics workshop which should be more practical, based on the common appliances and devices used.<br>• It was further deliberated that instead of having course named as "Introduction to Engineering" which is combination of five engineering branches, there should be one course having introductory part of electrical and electronics engineering. | | |
| **Action Taken** | All members agreed to restructure the structure of B.Tech Programs in first year<br>The syllabi and study scheme is proposed and approved by all BOS members for session 2017-18. | Responsibility<br>Head EECE | **14th April 2017** |

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