

Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Students Feedback (BTECH) received during the AY 2022-2023

Department	Stakeholder	Feedback received	Action Taken
Department of Electronics and Communication Engineering	Student	 The students opined excellently (31.27%) about the offering of the electives in terms of their relevance to the specialization streams and experiments about real-life applications. The students opined excellent (37.24%) about the Course's applicability to employability skills. The students opined very good (42.44%) about the Course imparting entrepreneurial skills. The students opined very good (39.56%) for offering relevant laboratory courses to develop practical skills. The students opined very good (44.92%) that the curriculum creates social awareness on social issues. The students opined excellent (40.25%) for having good courses for softskills. The students opined poor (4.36%) for curriculum structure looks to be appropriate to develop the necessary skill set and impart the knowledge required for a professional. 	 The number of discipline Elective Courses have been increased. Students have given options to pick courses in each area of specialization. The content of the majority of the courses have been revised and are associated with the industry's need. Every Course has been mapped for employability, entrepreneurship or skill development with a change in content. Change in teaching pedagogy has also been adopted to impart these skills effectively. As there was scope for improvement, the number of courses relevant to specializations significantly increased. E Library Resources have been integrated with all courses with web links, hence students can access them anytime. Many new courses have been integrated with their respective Lab components, and many lab's subject have been modified by more than 20%. Also, many new Open Electives have been offered. Credits for a few courses have been increased suitably as per the modern industry needs.







As per the feedback received, Course Content Revisions have been made as per Annexure -I and New Courses have been included in Annexure –II.

Annexure – I List of B.Tech Courses in which Content Revision

Sr. No	Code	Course Name	L	Т	Р	C
1	ECE1003	Fundamentals of Electronics	3	0	0	3
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
3	ECE3013	Antenna and Wave Propagation	3	0	0	3
4	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
5	ECE3049	Developing Secure Embedded Systems	3	0	0	3
6	ECE3050	Design for Testability	3	0	0	3
7	ECE3051	Machine Learning and Deep Learning Using FPGAs	3	0	0	3
8	ECE3052	Introduction to Embedded Machine Learning	3	0	0	3
9	ECE3054	Mobile Communication	3	0	0	3
10	ECE3055	Satellite Communication	3	0	0	3
11	ECE3056	Wireless Communication and Networks	3	0	0	3
12	ECE3057	Radar Engineering	3	0	0	3
13	ECE3058	Radio Frequency Engineering	3	0	0	3
14	ECE3059	Security in Computer Networks	3	0	0	3
15	ECE3060	Wireless Adhoc Networks	3	0	0	3
16	ECE3061	Optical Communication	3	0	0	3
17	ECE3062	Fundamentals of Wearable Sensing	3	0	0	3
18	ECE3063	Wearable Devices and Its Applications	3	0	0	3
19 🢡	BECESA64/NIL	Embedded Platforms for Wearables	3	0	0	3
20 🎽	ECE3065	RFID and Flexible Sensors	3	0	anore	3
21	ECESOGE	✓ Wireless Technologies for Wearables	3	0	0 SE	3
22	PCE3067	Wearable Internet of Things (WIoT)	3	0		gistrar
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24 ECE3069 Flexible Electronics And Sensors 3 0 0 1 25 ECE3070 Al & Digital Health 3 0 0 1 26 ECE3071 Wearable and Ubiquitous Computing 3 0 0 1 27 ECE3072 Secure Wearable Internet of Things 3 0 0 1 28 ECE3073 Wearable Prosthetics and Robots 3 0 0 1 29 ECE3074 Applications of Brain Computer Interfaces 3 0 0 1 30 ECE3075 IoT: Architecture and Protocols 3 0 0 1 31 ECE3076 IoT Platforms and Application Development 3 0 0 1 32 ECE3077 Wireless Protocols for IoT 3 0 0 1 33 ECE3078 IoT and Cloud Computing 3 0 0 3 34 ECE3079 Fog Computing 3 0 0 <td< th=""><th></th></td<>	
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37 ECE3082 Data Science for IoT 3 0 0 3	
38ECE3083Hardware and Software Architectures for IoT Systems3003	
39ECE3084Mobile App Development for IoT3003	
40ECE3085Security and Privacy in Edge Native Solutions300	
41ECE3086Industrial Internet of Things (IIoT)300	
42 ECE3087 IoT Robots 3 0 0 3	
43 ECE3088 Internet of Medical Things (IoMT) 3 0 0 3	
44ECE3089Artificial Neural Networks300	
45ECE3090Digital System Design using VERILOG300	
46 ECE3091 Mathematical Physics 3 0 0 3	
47ECE3092Photonic Integrated Circuits3003	
48ECE3093Machine learning for Music Information Retrieval3003	
49 Video Processing and Computer Vision 3 0 0 3	
50 Natural Language Processing 3 0 0 3	

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Annexure – II

List of B. Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	т	Р	С
1	ECE 601	Foundations of Industrial VLSI Design	2	0	0	2
2	ECE 602	Digital Design and Verification	2	0	0	2
3	ECE 603	Design For Testability	2	0	0	2
4	ECE 604	Physical Design	2	0	0	2
5	ECE 605	Data Science for Engineers	2	0	0	2
6	ECE 606	Electronics Equipment Integration and Prototype Building	2	0	0	2
7	ECE 607	Foundation of Cloud IoT Edge ML	2	0	0	2
8	ECE 608	Fuzzy Logic And Neural Networks	2	0	0	2
9	ECE 609	Digital Design	2	0	0	2
10	ECE 610	Digital Verification	2	0	0	2
11	ECE2009	Digital Computer Fundamentals (For BCA 2022 Batch onwards)	2	0	2	3
12	ECE3006	Digital Control Systems	3	0	0	3
13	ECE3053	Data Communication and Networking (DE from 2022 onwards)	3	0	0	3
14	ECE3089	Artificial Neural Networks	3	0	0	3
15	ECE3095	Blockchain and Cryptocurrency Technolgies	3	0	0	3
16	ECE3097	Smart Electronics in Agriculture	3	0	0	3
17	ECE3098	Environment Monitoring Systems	3	0	0	3
18	ECE3099	Modern Wireless Communication with 5G	3	0	0	3
19	ECE3100	Underwater Communication	3	0	0	3
20	ECE3101	Printed Circuit Board Design	3	0	0	3
21	ECE3102	Consumer Electronics	3	0	0	3
22	ECE3103	Product Design of Electronic Equipment	3	0	0	3
23	ECE3104	Vehicle to Vehicle Communication	3	0	0	3
24	ECE3105	Wavelets and Filter Banks	3	0	(p	3
25	2 ECE3106 2	Introduction to Data Analytics	3	0	Pares	NC BUNN
26	ECE3107	Machine Vision for Robotics	3	0	REGISTRAD	3 3
27	COLCE3110	Internet of Things (IOT) (for BCA)	1	0	4	* 3 *
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28	ECE3111	Microprocessors and Microcontrollers (for CSE)	3	0	0	3
29	ECE3113	Foundations of Industrial VLSI Design	3	0	0	3
30	ECE3114	Digital Design and Verification	3	0	0	3
31	ECE3115	Physical Design	3	0	0	3
32	ECE3116	Digital Circuit Design	3	0	0	3
33	ECE3117	Digital Verification	3	0	0	3
34	ECE3118	Hardware Security and Trust	3	0	0	3







Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Faculty Feedback for BTECH received during the AY 2022-2023

Department Stakeholde	Feedback received	Action Taken
Electronics and Communication Engineering	 30.27% and 42.68 % of faculty rate excellent and very good, respectively, for the Syllabus, is suitable for the course. 44.67% of faculty have opined (very good) Syllabus is need-based. 41.44% of faculty have opined that the courses/syllabus has very good balance between theory and application 76% of the faculty have opined that they have the freedom to propose, modify, suggest and incorporate new topics in the Syllabus. 46.15% of the faculty have opined that they have the total freedom to adopt new techniques/strategies of teaching, such as seminar presentations, group discussions and learner participation More than 66% of faculty think that the department has either an excellent or very good environment for teaching and research. 	 Inputs from faculty members were collected and deliberated, and course revisions were implemented. The application aspect of each course has been enhanced by thorough content revision. An enhnaced system has been created through which regular feedback and suggestions from faculty members about new topic is being included. The SOE-ECE conducts the Board of Studies (BoS) meeting twice a year. Feedback from the faculty members on the curriculum and new CBCS was presented and discussed.







As per the feedback received, Course Content Revisions have been made as per Annexure -I and New Courses have been included in Annexure –II.

Annexure – I

Sr. No Code **Course Name** L Т Ρ С ECE1003 **Fundamentals of Electronics** ECE2007 Digital Design (CSE 2021 Batch Onwards) ECE3013 Antenna and Wave Propagation Measuring Instruments and Sensors (from 2021 ECE3015 onwards) ECE3049 **Developing Secure Embedded Systems** ECE3050 **Design for Testability** Machine Learning and Deep Learning Using FPGAs ECE3051 ECE3052 Introduction to Embedded Machine Learning ECE3054 Mobile Communication ECE3055 Satellite Communication ECE3056 Wireless Communication and Networks ECE3057 **Radar Engineering** ECE3058 Radio Frequency Engineering ECE3059 Security in Computer Networks ECE3060 Wireless Adhoc Networks ECE3061 **Optical Communication** ECE3062 Fundamentals of Wearable Sensing ECE3063 Wearable Devices and Its Applications ECE3064 **Embedded Platforms for Wearables** ECE3065 une **RFID and Flexible Sensors** IQAC ECE3066 Wireless Technologies for Wearables 3 RI ECE3067 Wearable Internet of Things (WIoT)

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List of B. Tech Courses in which Content Revision



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	23	ECE3068	Embedded Intelligence in WIoT	3	0	0	3
	24	ECE3069	Flexible Electronics And Sensors	3	0	0	3
	25	ECE3070	AI & Digital Health	3	0	0	3
	26	ECE3071	Wearable and Ubiquitous Computing	3	0	0	3
	27	ECE3072	Secure Wearable Internet of Things	3	0	0	3
	28	ECE3073	Wearable Prosthetics and Robots	3	0	0	3
	29	ECE3074	Applications of Brain Computer Interfaces	3	0	0	3
	30	ECE3075	IoT: Architecture and Protocols	3	0	0	3
	31	ECE3076	IoT Platforms and Application Development	3	0	0	3
	32	ECE3077	Wireless Protocols for IoT	3	0	0	3
	33	ECE3078	IoT and Cloud Computing	3	0	0	3
	34	ECE3079	Fog Computing	3	0	0	3
	35	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
	36	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
	37	ECE3082	Data Science for IoT	3	0	0	3
	38	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
	39	ECE3084	Mobile App Development for IoT	3	0	0	3
	40	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3
	41	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
	42	ECE3087	IoT Robots	3	0	0	3
	43	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3
	44	ECE3089	Artificial Neural Networks	3	0	0	3
	45	ECE3090	Digital System Design using VERILOG	3	0	0	3
	46	ECE3091	Mathematical Physics	3	0	0	3
	47	ECE3092	Photonic Integrated Circuits	3	0	0	3
	48	ECE3093	Machine learning for Music Information Retrieval	3	0	0	3
Y	W 49	ECE3094	Video Processing and Computer Vision	3	0	0	3
	50	ECE3096	Natural Language Processing	3	0	0	3
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Approved by AICTE, New Delhi

Annexure – II List of B. Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	т	Ρ	с	
1	ECE 601	Foundations of Industrial VLSI Design	2	0	0	2	
2	ECE 602	Digital Design and Verification	2	0	0	2	
3	ECE 603	Design For Testability	2	0	0	2	
4	ECE 604	Physical Design	2	0	0	2	
5	ECE 605	Data Science for Engineers	2	0	0	2	
6	ECE 606	Electronics Equipment Integration and Prototype Building	2	0	0	2	
7	ECE 607	Foundation of Cloud IoT Edge ML	2	0	0	2	
8	ECE 608	Fuzzy Logic And Neural Networks	2	0	0	2	
9	ECE 609	Digital Design	2	0	0	2	
10	ECE 610	Digital Verification	2	0	0	2	
11	ECE2009	Digital Computer Fundamentals (For BCA 2022 Batch onwards)	2	0	2	3	
12	ECE3006	Digital Control Systems	3	0	0	3	
13	ECE3053	Data Communication and Networking (DE from 2022 onwards)	3	0	0	3	
14	ECE3089	Artificial Neural Networks	3	0	0	3	
15	ECE3095	Blockchain and Cryptocurrency Technolgies	3	0	0	3	
16	ECE3097	Smart Electronics in Agriculture	3	0	0	3	
17	ECE3098	Environment Monitoring Systems	3	0	0	3	
18	ECE3099	Modern Wireless Communication with 5G	3	0	0	3	
19	ECE3100	Underwater Communication	3	0	0	3	
20	ECE3101	Printed Circuit Board Design	3	0	0	3	
21	ECE3102	Consumer Electronics	3	0	0	3	
22	ECE3103	Product Design of Electronic Equipment	3	0	0	3	
23	ECE3104	Vehicle to Vehicle Communication	3	0	0	3	
24	ECE3105	Wavelets and Filter Banks	3	0	0	3	
25	ECE3100	Introduction to Data Analytics	3	0	0	3	
26	ECEB107	Machine Vision for Robotics	3	0	0	austerno	YUNIL
27	ECE3U10	Internet of Things (IOT) (for BCA)	1	0	4	ISTRAR	nistrar
28	ECESTALGALC	Microprocessors and Microcontrollers (for CSE)	3	0	0	3	Justial Contract



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29	ECE3113	Foundations of Industrial VLSI Design	3	0	0	3
30	ECE3114	Digital Design and Verification	3	0	0	3
31	ECE3115	Physical Design	3	0	0	3
32	ECE3116	Digital Circuit Design	3	0	0	3
33	ECE3117	Digital Verification	3	0	0	3
34	ECE3118	Hardware Security and Trust	3	0	0	3







Department of Electronics and Communication Engineering Action Taken Report (ATR) on Employer Feedback for BTECH received during the AY 2022-2023

Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Employer	 Students need to be aware of industry exposure. The recruiters from IT companies and other industries suggested that students must be more participative and work more effectively with teams. 	 Invited resource persons from industries were made to address the students. Many activities and competitions are organized in the department to increase their participation and improve their problem-solving abilities. The soft skill training focused more on participative games and team building.

As per the feedback received, Course Content Revisions have been made as per Annexure -I and New Courses have been included in Annexure –II.







Annexure – I

List of B. Tech Courses in which Content Revision

Sr. No	Code	Course Name	L	Т	Р	С
1	ECE1003	Fundamentals of Electronics	3	0	0	3
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
3	ECE3013	Antenna and Wave Propagation	3	0	0	3
4	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
5	ECE3049	Developing Secure Embedded Systems	3	0	0	3
6	ECE3050	Design for Testability	3	0	0	3
7	ECE3051	Machine Learning and Deep Learning Using FPGAs	3	0	0	3
8	ECE3052	Introduction to Embedded Machine Learning	3	0	0	3
9	ECE3054	Mobile Communication	3	0	0	3
10	ECE3055	Satellite Communication	3	0	0	3
11	ECE3056	Wireless Communication and Networks	3	0	0	3
12	ECE3057	Radar Engineering	3	0	0	3
13	ECE3058	Radio Frequency Engineering	3	0	0	3
14	ECE3059	Security in Computer Networks	3	0	0	3
15	ECE3060	Wireless Adhoc Networks	3	0	0	3
16	ECE3061	Optical Communication	3	0	0	3
17	ECE3062	Fundamentals of Wearable Sensing	3	0	0	3
18	ECE3063	Wearable Devices and Its Applications	3	0	0	3
19	ECE3064	Embedded Platforms for Wearables	3	0	0	3
20	ECE3065	RFID and Flexible Sensors	3	0	0	3
21	ECE3066	Wireless Technologies for Wearables	3	0	0	3
22 💱	ECE3667	Wearable Internet of Things (WIoT)	3	0	0	3
23 🖉	ECE3068	Embedded Intelligence in WIoT	3	0	anore	SY UNI
24	ECE3069	Flexible Electronics And Sensors	3	0 REG	STRAR	coistrar 3
25	ECEBU/QOF	AI & Digital Health	3	0	0	3



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26	ECE3071	Wearable and Ubiquitous Computing	3	0	0	3
27	ECE3072	Secure Wearable Internet of Things	3	0	0	3
28	ECE3073	Wearable Prosthetics and Robots	3	0	0	3
29	ECE3074	Applications of Brain Computer Interfaces	3	0	0	3
30	ECE3075	IoT: Architecture and Protocols	3	0	0	3
31	ECE3076	IoT Platforms and Application Development	3	0	0	3
32	ECE3077	Wireless Protocols for IoT	3	0	0	3
33	ECE3078	IoT and Cloud Computing	3	0	0	3
34	ECE3079	Fog Computing	3	0	0	3
35	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
36	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
37	ECE3082	Data Science for IoT	3	0	0	3
38	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
39	ECE3084	Mobile App Development for IoT	3	0	0	3
40	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3
41	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
42	ECE3087	IoT Robots	3	0	0	3
43	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3
44	ECE3089	Artificial Neural Networks	3	0	0	3
45	ECE3090	Digital System Design using VERILOG	3	0	0	3
46	ECE3091	Mathematical Physics	3	0	0	3
47	ECE3092	Photonic Integrated Circuits	3	0	0	3
48	ECE3093	Machine learning for Music Information Retrieval	3	0	0	3
49	ECE3094	Video Processing and Computer Vision	3	0	0	3
50	ECE3096	Natural Language Processing	3	0	0	3







Annexure – III

List of B. Tech New Courses introduced

1 ECE 601 Foundations of Industrial VLSI Design 2 0 0 2 ECE 602 Digital Design and Verification 2 0 0 3 ECE 603 Design For Testability 2 0 0 4 ECE 603 Design For Testability 2 0 0 5 ECE 605 Data Science for Engineers 2 0 0 6 ECE 606 Electronics Equipment Integration and Prototype Building 2 0 0 7 ECE 607 Foundation of Cloud IoT Edge ML 2 0 0 8 ECE 608 Fuzzy Logic And Neural Networks 2 0 0 9 ECE 609 Digital Design 2 0 0 10 ECE 610 Digital Verification 2 0 0 11 ECE3006 Digital Computer Fundamentals (For BCA 2022 Batch onwards) 2 0 2 12 ECE3006 Digital Control Systems 3 0 0 2 <	al VLSI Design 2 0 0 2 erification 2 0 0 2 ability 2 0 0 2 ability 2 0 0 2 ign 2 0 0 2 ngineers 2 0 0 2 n and Prototype Building 2 0 0 2 oT Edge ML 2 0 0 2 al Networks 2 0 0 2 ition 2 0 0 2 *BCA 2022 Batch onwards) 2 0 2 3
2 ECE 602 Digital Design and Verification 2 0 0 3 ECE 603 Design For Testability 2 0 0 4 ECE 604 Physical Design 2 0 0 5 ECE 605 Data Science for Engineers 2 0 0 6 ECE 606 Electronics Equipment Integration and Prototype Building 2 0 0 7 ECE 607 Foundation of Cloud IoT Edge ML 2 0 0 8 ECE 608 Fuzzy Logic And Neural Networks 2 0 0 9 ECE 609 Digital Design 2 0 0 10 ECE 610 Digital Computer Fundamentals (For BCA 2022 Batch onwards) 2 0 2 11 ECE3095 Data Communication and Networking (DE from 2022 onwards) 3 0 0 13 ECE3095 Blockchain and Cryptocurrency Technolgies 3 0 0 14 ECE3095 Blockchain and Cryptocurrency Technolgies 3 <t< td=""><td>Perification 2 0 0 2 ability 2 0 0 2 ign 2 0 0 2 ngineers 2 0 0 2 n and Prototype Building 2 0 0 2 oT Edge ML 2 0 0 2 al Networks 2 0 0 2 ition 2 0 0 2 *BCA 2022 Batch onwards) 2 0 2 3</td></t<>	Perification 2 0 0 2 ability 2 0 0 2 ign 2 0 0 2 ngineers 2 0 0 2 n and Prototype Building 2 0 0 2 oT Edge ML 2 0 0 2 al Networks 2 0 0 2 ition 2 0 0 2 *BCA 2022 Batch onwards) 2 0 2 3
3 ECE 603 Design For Testability 2 0 0 4 ECE 604 Physical Design 2 0 0 5 ECE 605 Data Science for Engineers 2 0 0 6 ECE 606 Electronics Equipment Integration and Prototype Building 2 0 0 7 ECE 607 Foundation of Cloud IoT Edge ML 2 0 0 8 ECE 608 Fuzzy Logic And Neural Networks 2 0 0 9 ECE 609 Digital Design 2 0 0 10 ECE 610 Digital Verification 2 0 0 11 ECE2009 Digital Computer Fundamentals (For BCA 2022 Batch onwards) 2 0 2 12 ECE3006 Digital Control Systems 3 0 0 13 ECE3053 Data Communication and Networking (DE from 2022 onwards) 3 0 0 14 ECE3095 Blockchain and Cryptocurrency Technolgies 3 0 0	ability 2 0 0 2 ign 2 0 0 2 ngineers 2 0 0 2 and Prototype Building 2 0 0 2 oT Edge ML 2 0 0 2 al Networks 2 0 0 2 ition 2 0 0 2 *BCA 2022 Batch onwards) 2 0 2 3
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18 ECE3099 Modern Wireless Communication with 5G 3 0 0	ing Systems 3 0 0 3
	nication with 5G 3 0 0 3
19ECE3100Underwater Communication300	unication 3 0 0 3
20 ECE3101 Printed Circuit Board Design 3 0 0	rd Design 3 0 0 3
21ECE3102Consumer Electronics300	ronics 3 0 0 3
22ECE3103Product Design of Electronic Equipment300	onic Equipment 3 0 0 3
23 0 Vehicle to Vehicle Communication 3 0 0	nmunication 3 0 0 3
24 ECE3105 Wavelets and Filter Banks 3 0 0	er Banks 3 0 0 3
25 FCF3106 Introduction to Data Analytics 3 0	a Analytics 3 0
26 ECE3107 Machine Vision for Robotics 3 0 REGISPRAR	Robotics 3 0 REGISTRAR
27 Internet of Things (IOT) (for BCA) 1 0 4	Γ) (for BCA) 1 0 4 3 *

No.	PRESIDENCY UNIVERSITY	40
GAIN MORE KNOWLEDGE	Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 Established under Section 2(f) of UGC Act, 1956	VEARS BF ACADEMIC WISDOM

	BEAGH GREATER DEL	Approved by AICTE, New Delini		and the second s	-	
28	ECE3111	Microprocessors and Microcontrollers (for CSE)	3	0	0	3
29	ECE3113	Foundations of Industrial VLSI Design	3	0	0	3
30	ECE3114	Digital Design and Verification	3	0	0	3
31	ECE3115	Physical Design	3	0	0	3
32	ECE3116	Digital Circuit Design	3	0	0	3
33	ECE3117	Digital Verification	3	0	0	3
34	ECE3118	Hardware Security and Trust	3	0	0	3







Department of Electronics and Communication Engineering

Action Taken Report (ATR) on Alumni Feedback for BTECH received during the AY 2022-2023

Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Alumni	 The alumni opined very good (48.76%) regarding the curriculum is balanced with a requisite number of foundation, core and elective courses. 29.68% of alumni opined curriculum offers enough flexibility to the students to choose the course The majority of the students think that they have opined well for the course curriculum fulfilling their expectations (employability skills, entrepreneurial skills) 41.62% rate very good overall credit structure of the program. Alumni have opined (about 68.00%) that the curriculum structure looks to be appropriate to develop the necessary skill set and impart the knowledge required for a professional 	 Suggestions by the alumni were considered. They were included in the new course introduction. The curriculum has been revised by adding corporate/industry requirements in every area of specialization. This includes projects/assignments, recent developments in every field, etc. Many new courses have been introduced to need the need of the industry.

As per the feedback received, Course Content Revisions have been made as per Annexure -I and New Courses have been included in Annexure –II.







Annexure – I

List of B. Tech Courses in which Content Revision

	Sr. No	Code	Course Name	L	Т	Р	С
	1	ECE1003	Fundamentals of Electronics	3	0	0	3
	2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
	3	ECE3013	Antenna and Wave Propagation	3	0	0	3
	4	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
	5	ECE3049	Developing Secure Embedded Systems	3	0	0	3
	6	ECE3050	Design for Testability	3	0	0	3
	7	ECE3051	Machine Learning and Deep Learning Using FPGAs	3	0	0	3
	8	ECE3052	Introduction to Embedded Machine Learning	3	0	0	3
	9	ECE3054	Mobile Communication	3	0	0	3
	10	ECE3055	Satellite Communication	3	0	0	3
	11	ECE3056	Wireless Communication and Networks	3	0	0	3
	12	ECE3057	Radar Engineering	3	0	0	3
	13	ECE3058	Radio Frequency Engineering	3	0	0	3
	14	ECE3059	Security in Computer Networks	3	0	0	3
	15	ECE3060	Wireless Adhoc Networks	3	0	0	3
	16	ECE3061	Optical Communication	3	0	0	3
	17	ECE3062	Fundamentals of Wearable Sensing	3	0	0	3
	18	ECE3063	Wearable Devices and Its Applications	3	0	0	3
	19	ECE3064	Embedded Platforms for Wearables	3	0	0	3
NCY	20	ECE3065	RFID and Flexible Sensors	3	0	0	3
S	21	ECE3066	Wireless Technologies for Wearables	3	0	0	3
HA IQA	C 22	ECE3067	Wearable Internet of Things (WIOT)	3	0	0	3
* BANGAL	23	ECE3068	Embedded Intelligence in WIoT	3	0	0	3 REGISTR



Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956 Approved by AICTE, New Delhi

	24	ECE3069	Flexible Electronics And Sensors	3	0	0	3
	25	ECE3070	AI & Digital Health	3	0	0	3
	26	ECE3071	Wearable and Ubiquitous Computing	3	0	0	3
	27	ECE3072	Secure Wearable Internet of Things	3	0	0	3
	28	ECE3073	Wearable Prosthetics and Robots	3	0	0	3
	29	ECE3074	Applications of Brain Computer Interfaces	3	0	0	3
	30	ECE3075	IoT: Architecture and Protocols	3	0	0	3
	31	ECE3076	IoT Platforms and Application Development	3	0	0	3
	32	ECE3077	Wireless Protocols for IoT	3	0	0	3
	33	ECE3078	IoT and Cloud Computing	3	0	0	3
	34	ECE3079	Fog Computing	3	0	0	3
	35	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
	36	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
	37	ECE3082	Data Science for IoT	3	0	0	3
	38	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
	39	ECE3084	Mobile App Development for IoT	3	0	0	3
	40	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3
	41	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
	42	ECE3087	IoT Robots	3	0	0	3
	43	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3
	44	ECE3089	Artificial Neural Networks	3	0	0	3
	45	ECE3090	Digital System Design using VERILOG	3	0	0	3
	46	ECE3091	Mathematical Physics	3	0	0	3
	47	ECE3092	Photonic Integrated Circuits	3	0	0	3
	48	ECE3093	Machine learning for Music Information Retrieval	3	0	0	3
	49	ECE3094	Video Processing and Computer Vision	3	0	0	3
Y	50	ECE3096	Natural Language Processing	3	0	0	3





4 YEARS



Annexure – II

List of B. Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	т	Р	С
1	ECE 601	Foundations of Industrial VLSI Design	2	0	0	2
2	ECE 602	Digital Design and Verification	2	0	0	2
3	ECE 603	Design For Testability	2	0	0	2
4	ECE 604	Physical Design	2	0	0	2
5	ECE 605	Data Science for Engineers	2	0	0	2
6	ECE 606	Electronics Equipment Integration and Prototype Building	2	0	0	2
7	ECE 607	Foundation of Cloud IoT Edge ML	2	0	0	2
8	ECE 608	Fuzzy Logic And Neural Networks	2	0	0	2
9	ECE 609	Digital Design	2	0	0	2
10	ECE 610	Digital Verification	2	0	0	2
11	ECE2009	Digital Computer Fundamentals (For BCA 2022 Batch onwards)	2	0	2	3
12	ECE3006	Digital Control Systems	3	0	0	3
13	ECE3053	Data Communication and Networking (DE from 2022 onwards)	3	0	0	3
14	ECE3089	Artificial Neural Networks	3	0	0	3
15	ECE3095	Blockchain and Cryptocurrency Technolgies	3	0	0	3
16	ECE3097	Smart Electronics in Agriculture	3	0	0	3
17	ECE3098	Environment Monitoring Systems	3	0	0	3
18	ECE3099	Modern Wireless Communication with 5G	3	0	0	3
19	ECE3100	Underwater Communication	3	0	0	3
20	ECE3101	Printed Circuit Board Design	3	0	0	3
21	ECE3102	Consumer Electronics	3	0	0	3
22	ECE3103Y U	Product Design of Electronic Equipment	3	0	0	3
23	EC/63/04	Vehicle to Vehicle Communication	3	0	0	3,0
24	ECESTODAC	Wavelets and Filter Banks	3	0	0 😋	Jan 3 FENCY UA
25	ECE3106	7. Introduction to Data Analytics	3	0	0 REC	
26	ECES LO GAL	Machine Vision for Robotics	3	0	0	3

The second	PRESIDENCY UNIVERSITY	40
GAIN MORE KNOWLEDGE REACH GREATER HEIGHTS	Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 Established under Section 2(f) of UGC Act, 1956 Approved by AICTE, New Delhi	VEARS BF ACADEMIC WISDOM

		(pp) of contract of the contra	-			-
27	ECE3110	Internet of Things (IOT) (for BCA)	1	0	4	3
28	ECE3111	Microprocessors and Microcontrollers (for CSE)	3	0	0	3
29	ECE3113	Foundations of Industrial VLSI Design	3	0	0	3
30	ECE3114	Digital Design and Verification	3	0	0	3
31	ECE3115	Physical Design	3	0	0	3
32	ECE3116	Digital Circuit Design	3	0	0	3
33	ECE3117	Digital Verification	3	0	0	3
34	ECE3118	Hardware Security and Trust	3	0	0	3



