



Department of Electronics and Communication Engineering Action Taken Report (ATR) on Students Feedback for BTECH received during the AY 2021-2022

Department	Stakeholder	Feedback received	Action Taken
Department of Electronics and Communication Engineering	Student	<ul style="list-style-type: none">➤ The students opined very good (58.13 %) about the offering of the electives in terms of their relevance to the specialization streams and experiments about the real-life applications.➤ The students opined very good (54.07 %) about the Course's applicability to employability skill.➤ The students opined very good (49.52 %) about the Course imparting entrepreneurial skill.➤ The students opined very good (50%) for offering relevant laboratory courses to develop practical skills.➤ The students opined very good (52.39%) that the curriculum creates social awareness on social issues.➤ The students opined very good (54.07%) for having good courses for softskills.➤ The students opined very good (55.98%) for curriculum structure looks appropriate to develop the necessary skill set and impart the knowledge required for a professional.	<ul style="list-style-type: none">● The number of discipline elective courses has been increased. Students are given an option to choose courses from each area of specialization.● The content of the majority of courses have been revised and are associated with the industry needs.● Every course has been mapped for employability, entrepreneurship or skill development with a change in content.● As there was scope for improvement, the number of courses relevant to specialization streams significantly increased.● E-Library resources have been integrated with all courses, so that students can access them anytime, anywhere.● Many new courses have been integrated with their respective Lab components, and many lab subjects have been modified by more than 20%. Also, many new Open Electives have been offered.● Credits for a few courses have been modified to suit the need of the modern 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	T	P	C	% Revision	Remark	Year
1	ECE 307	Digital Image Processing	3	0	0	3	50	Content Revision	2021
2	ECE 308	Embedded System Design Using ARM	3	0	0	3	50	Content Revision	2021
3	ECE 310	Fuzzy Logic and Its Engineering Applications	3	0	0	3	50	Content Revision	2021
4	ECE1004	Microprocessor based systems	3	0	0	3	25	Content Revision	2021
5	ECE2001	Analog Electronics	3	0	2	4	25	Content Revision	2021
6	ECE2002	Digital Electronics	3	0	2	4	25	Content Revision	2021
7	ECE2003	Signals and Systems	3	0	2	4	25	Content Revision	2021
8	ECE2004	Network Theory	3	0	0	3	25	Content Revision	2021
9	ECE3001	Linear Integrated Circuits	3	0	2	4	25	Content Revision	2021
10	ECE3002	Digital Signal Processing	3	0	2	4	25	Content Revision	2021
11	ECE3003	Microprocessor Programming and Interfacing	3	0	2	4	25	Content Revision	2021
12	ECE3004	Electromagnetic Theory	3	0	0	3	25	Content Revision	2021
13	ECE3005	Analog Communication	3	0	2	4	25	Content Revision	2021
14	ECE3009	Transmission Lines and Waveguides	3	0	0	3	25	Content Revision	2021
15	ECE3010	Measuring Instruments and Sensors (for 2020 batch only)	3	0	2	4	25	Content Revision	2021
16	ECE3011	Digital Communication	3	0	2	4	25	Content Revision	2021
17	ECE3012	Information Theory and Coding	3	0	0	3	25	Content Revision	2021
18	ECE3014	Microcontroller Applications	3	0	2	4	25	Content Revision	2021
19	ECE3016	Electronic Controlled Converters	3	0	0	3	25	Content Revision	2021
20	ECE3017	Linear Algebra for Communication Engineering	3	0	0	3	25	Content Revision	2021
21	ECE3018	Engineering Applications using Software Tools	3	0	0	3	25	Content Revision	2021
22	ECE3019	Python Programming For Electronics Applications	3	0	0	3	25	Content Revision	2021



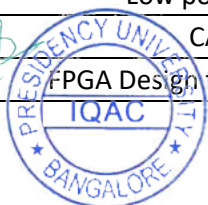
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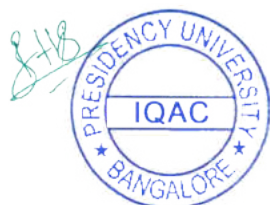
23	ECE3020	Computational Intelligence and Machine Learning	3	0	0	3	25	Content Revision	2021
24	ECE3021	Optoelectronic Materials	3	0	0	3	25	Content Revision	2021
25	ECE3022	Fundamentals of Photonics	3	0	0	3	25	Content Revision	2021
26	ECE3023	Wireless Sensor Networks and IOT	3	0	0	3	25	Content Revision	2021
27	ECE3024	Data Acquisition Techniques	3	0	0	3	25	Content Revision	2021
28	ECE3025	Artificial Intelligence with Python	3	0	0	3	25	Content Revision	2021
29	ECE3026	Neural Networks and Deep Learning	3	0	0	3	25	Content Revision	2021
30	ECE3027	Industrial Automation and Control	3	0	0	3	25	Content Revision	2021
31	ECE3028	Speech Signal Processing	3	0	0	3	25	Content Revision	2021
32	ECE3029	Digital Image Processing	3	0	0	3	25	Content Revision	2021
33	ECE3030	Fuzzy Logic and its Engineering Applications	3	0	0	3	25	Content Revision	2021
34	ECE3031	Applications of Deep Learning	3	0	0	3	25	Content Revision	2021
35	ECE3032	Multimedia Signal Processing	3	0	0	3	25	Content Revision	2021
36	ECE3033	Adaptive Signal Processing	3	0	0	3	25	Content Revision	2021
37	ECE3034	Bio-Instrumentation Systems	3	0	0	3	25	Content Revision	2021
38	ECE3035	Biomedical Signal Processing	3	0	0	3	25	Content Revision	2021
39	ECE3036	Probabilistic System Analysis	3	0	0	3	25	Content Revision	2021
40	ECE3037	Audio Signal Processing for Music Applications	3	0	0	3	25	Content Revision	2021
41	ECE3038	Electronic Music Production	3	0	0	3	25	Content Revision	2021
42	ECE3039	DSP Processors	3	0	0	3	25	Content Revision	2021
43	ECE3040	Embedded Systems	3	0	0	3	25	Content Revision	2021
44	ECE3041	Real Time Systems	3	0	0	3	25	Content Revision	2021
45	ECE3042	MEMS and Nanotechnology	3	0	0	3	25	Content Revision	2021
46	ECE3043	Mixed Signal Circuit Design	3	0	0	3	25	Content Revision	2021
47	ECE3044	IC Fabrication Technology	3	0	0	3	25	Content Revision	2021
48	ECE3045	Sensor Technology	3	0	0	3	25	Content Revision	2021
49	ECE3046	Low power VLSI Design	3	0	0	3	25	Content Revision	2021
50	ECE3047	CAD for VLSI	3	0	0	3	25	Content Revision	2021
51	ECE3048	FPGA Design for Embedded Systems	3	0	0	3	25	Content Revision	2021





Annexure – II
List of B.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C	Year of Introduction
1	ECE2006	Digital Electronics (2021 Batch Only)	2	0	2	3	2021-22
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3	2021-22
3	ECE2008	Signals and Systems (2021 Batch Only)	3	0	0	3	2021-22
4	ECE3013	Antenna and Wave Propagation	3	0	0	3	2021-22
5	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3	2021-22
6	ECE3050	Design for Testability	3	0	0	3	2021-22
7	ECE3075	IoT: Architecture and Protocols	3	0	0	3	2021-22
8	ECE3076	IoT Platforms and Application Development	3	0	0	3	2021-22
9	ECE3077	Wireless Protocols for IoT	3	0	0	3	2021-22
10	ECE3078	IoT and Cloud Computing	3	0	0	3	2021-22
11	ECE3079	Fog Computing	3	0	0	3	2021-22
12	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3	2021-22
13	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3	2021-22
14	ECE3082	Data Science for IoT	3	0	0	3	2021-22
15	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3	2021-22
16	ECE3084	Mobile App Development for IoT	3	0	0	3	2021-22
17	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3	2021-22
18	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3	2021-22
19	ECE3087	IoT Robots	3	0	0	3	2021-22
20	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3	2021-22





Department of Electronics and Communication Engineering Action Taken Report (ATR) on Faculty Feedback for BTECH received during the AY 2021-2022

Department	Stakeholder	Feedback received	Action Taken
Electronics and Communication Engineering	Faculty	<ul style="list-style-type: none">➤ 73.91% of faculty rate the curriculum excellent is balanced with the requisite number of Foundation, core and elective courses➤ 63.04% and 56.52% of faculty have opined (very good) Syllabus is sufficient to impart skills for employability and entrepreneurial skills to students.➤ 52.52% of faculty (very good) opined the curriculum has the sufficient component of Laboratory courses to develop the practical skills in the students➤ 63.04% of the faculty have opined that they have the freedom to propose, modify, suggest and incorporate new topics in the Syllabus.➤ 67.39% 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 90% of faculty think that the department has either excellent or very good environment for teaching and research.	<ul style="list-style-type: none">• 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 enhanced 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 was received from the faculty members on the curriculum, and new CBCS were presented and discussed.

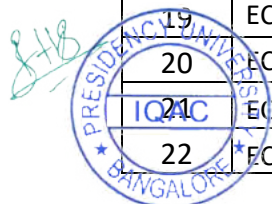




As per the feedback received, Course Content Revisions have been made as per Annexure -I and New Courses have been included in Annexure –II.

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

Sr. No	Code	Course Name	L	T	P	C
1	ECE 307	Digital Image Processing	3	0	0	3
2	ECE 308	Embedded System Design Using ARM	3	0	0	3
3	ECE 310	Fuzzy Logic and Its Engineering Applications	3	0	0	3
4	ECE1004	Microprocessor based systems	3	0	0	3
5	ECE2001	Analog Electronics	3	0	2	4
6	ECE2002	Digital Electronics	3	0	2	4
7	ECE2003	Signals and Systems	3	0	2	4
8	ECE2004	Network Theory	3	0	0	3
9	ECE3001	Linear Integrated Circuits	3	0	2	4
10	ECE3002	Digital Signal Processing	3	0	2	4
11	ECE3003	Microprocessor Programming and Interfacing	3	0	2	4
12	ECE3004	Electromagnetic Theory	3	0	0	3
13	ECE3005	Analog Communication	3	0	2	4
14	ECE3009	Transmission Lines and Waveguides	3	0	0	3
15	ECE3010	Measuring Instruments and Sensors (for 2020 batch only)	3	0	2	4
16	ECE3011	Digital Communication	3	0	2	4
17	ECE3012	Information Theory and Coding	3	0	0	3
18	ECE3014	Microcontroller Applications	3	0	2	4
19	ECE3016	Electronic Controlled Converters	3	0	0	3
20	ECE3017	Linear Algebra for Communication Engineering	3	0	0	3
21	ECE3018	Engineering Applications using Software Tools	3	0	0	3
22	ECE3019	Python Programming For Electronics Applications	3	0	0	3





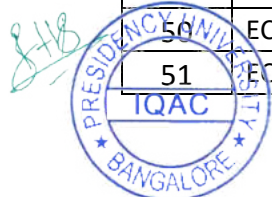
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23	ECE3020	Computational Intelligence and Machine Learning	3	0	0	3
24	ECE3021	Optoelectronic Materials	3	0	0	3
25	ECE3022	Fundamentals of Photonics	3	0	0	3
26	ECE3023	Wireless Sensor Networks and IOT	3	0	0	3
27	ECE3024	Data Acquisition Techniques	3	0	0	3
28	ECE3025	Artificial Intelligence with Python	3	0	0	3
29	ECE3026	Neural Networks and Deep Learning	3	0	0	3
30	ECE3027	Industrial Automation and Control	3	0	0	3
31	ECE3028	Speech Signal Processing	3	0	0	3
32	ECE3029	Digital Image Processing	3	0	0	3
33	ECE3030	Fuzzy Logic and its Engineering Applications	3	0	0	3
34	ECE3031	Applications of Deep Learning	3	0	0	3
35	ECE3032	Multimedia Signal Processing	3	0	0	3
36	ECE3033	Adaptive Signal Processing	3	0	0	3
37	ECE3034	Bio-Instrumentation Systems	3	0	0	3
38	ECE3035	Biomedical Signal Processing	3	0	0	3
39	ECE3036	Prababilistic System Analysis	3	0	0	3
40	ECE3037	Audio Signal Processing for Music Applications	3	0	0	3
41	ECE3038	Electronic Music Production	3	0	0	3
42	ECE3039	DSP Processors	3	0	0	3
43	ECE3040	Embedded Systems	3	0	0	3
44	ECE3041	Real Time Systems	3	0	0	3
45	ECE3042	MEMS and Nanotechnology	3	0	0	3
46	ECE3043	Mixed Signal Circuit Design	3	0	0	3
47	ECE3044	IC Fabrication Technology	3	0	0	3
48	ECE3045	Sensor Technology	3	0	0	3
49	ECE3046	Low power VLSI Design	3	0	0	3
50	ECE3047	CAD for VLSI	3	0	0	3
51	ECE3048	FPGA Design for Embedded Systems	3	0	0	3





Annexure – II
List of B.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE2006	Digital Electronics (2021 Batch Only)	2	0	2	3
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
3	ECE2008	Signals and Systems (2021 Batch Only)	3	0	0	3
4	ECE3013	Antenna and Wave Propagation	3	0	0	3
5	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
6	ECE3050	Design for Testability	3	0	0	3
7	ECE3075	IoT: Architecture and Protocols	3	0	0	3
8	ECE3076	IoT Platforms and Application Development	3	0	0	3
9	ECE3077	Wireless Protocols for IoT	3	0	0	3
10	ECE3078	IoT and Cloud Computing	3	0	0	3
11	ECE3079	Fog Computing	3	0	0	3
12	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
13	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
14	ECE3082	Data Science for IoT	3	0	0	3
15	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
16	ECE3084	Mobile App Development for IoT	3	0	0	3
17	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3
18	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
19	ECE3087	IoT Robots	3	0	0	3
20	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3





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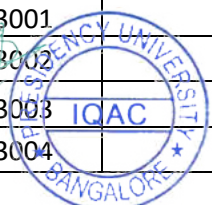
Action Taken Report (ATR) on Employer Feedback for BTECH received during the AY 2021-2022

Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Employer	<ul style="list-style-type: none"> ➤ 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 with teams more effectively. 	<ul style="list-style-type: none"> • Invited resource persons from industries addressed the students. • 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 and Annexure-III.

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

Sr. No	Code	Course Name	L	T	P	C
1	ECE 307	Digital Image Processing	3	0	0	3
2	ECE 308	Embedded System Design Using ARM	3	0	0	3
3	ECE 310	Fuzzy Logic and Its Engineering Applications	3	0	0	3
4	ECE1004	Microprocessor based systems	3	0	0	3
5	ECE2001	Analog Electronics	3	0	2	4
6	ECE2002	Digital Electronics	3	0	2	4
7	ECE2003	Signals and Systems	3	0	2	4
8	ECE2004	Network Theory	3	0	0	3
9	ECE3001	Linear Integrated Circuits	3	0	2	4
10	ECE3002	Digital Signal Processing	3	0	2	4
11	ECE3003	Microprocessor Programming and Interfacing	3	0	2	4
12	ECE3004	Electromagnetic Theory	3	0	0	3



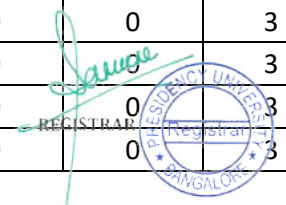
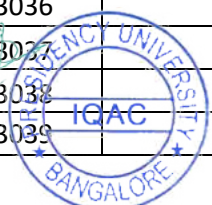


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13	ECE3005	Analog Communication	3	0	2	4
14	ECE3009	Transmission Lines and Waveguides	3	0	0	3
15	ECE3010	Measuring Instruments and Sensors (for 2020 batch only)	3	0	2	4
16	ECE3011	Digital Communication	3	0	2	4
17	ECE3012	Information Theory and Coding	3	0	0	3
18	ECE3014	Microcontroller Applications	3	0	2	4
19	ECE3016	Electronic Controlled Converters	3	0	0	3
20	ECE3017	Linear Algebra for Communication Engineering	3	0	0	3
21	ECE3018	Engineering Applications using Software Tools	3	0	0	3
22	ECE3019	Python Programming For Electronics Applications	3	0	0	3
23	ECE3020	Computational Intelligence and Machine Learning	3	0	0	3
24	ECE3021	Optoelectronic Materials	3	0	0	3
25	ECE3022	Fundamentals of Photonics	3	0	0	3
26	ECE3023	Wireless Sensor Networks and IOT	3	0	0	3
27	ECE3024	Data Acquisition Techniques	3	0	0	3
28	ECE3025	Artificial Intelligence with Python	3	0	0	3
29	ECE3026	Neural Networks and Deep Learning	3	0	0	3
30	ECE3027	Industrial Automation and Control	3	0	0	3
31	ECE3028	Speech Signal Processing	3	0	0	3
32	ECE3029	Digital Image Processing	3	0	0	3
33	ECE3030	Fuzzy Logic and its Engineering Applications	3	0	0	3
34	ECE3031	Applications of Deep Learning	3	0	0	3
35	ECE3032	Multimedia Signal Processing	3	0	0	3
36	ECE3033	Adaptive Signal Processing	3	0	0	3
37	ECE3034	Bio-Instrumentation Systems	3	0	0	3
38	ECE3035	Biomedical Signal Processing	3	0	0	3
39	ECE3036	Prababilistic System Analysis	3	0	0	3
40	ECE3037	Audio Signal Processing for Music Applications	3	0	0	3
41	ECE3038	Electronic Music Production	3	0	0	3
42	ECE3039	DSP Processors	3	0	0	3

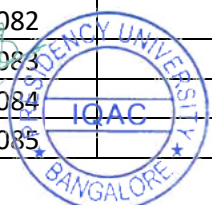




43	ECE3040	Embedded Systems	3	0	0	3
44	ECE3041	Real Time Systems	3	0	0	3
45	ECE3042	MEMS and Nanotechnology	3	0	0	3
46	ECE3043	Mixed Signal Circuit Design	3	0	0	3
47	ECE3044	IC Fabrication Technology	3	0	0	3
48	ECE3045	Sensor Technology	3	0	0	3
49	ECE3046	Low power VLSI Design	3	0	0	3
50	ECE3047	CAD for VLSI	3	0	0	3
51	ECE3048	FPGA Design for Embedded Systems	3	0	0	3

Annexure – II
List of B.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE2006	Digital Electronics (2021 Batch Only)	2	0	2	3
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
3	ECE2008	Signals and Systems (2021 Batch Only)	3	0	0	3
4	ECE3013	Antenna and Wave Propagation	3	0	0	3
5	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
6	ECE3050	Design for Testability	3	0	0	3
7	ECE3075	IoT: Architecture and Protocols	3	0	0	3
8	ECE3076	IoT Platforms and Application Development	3	0	0	3
9	ECE3077	Wireless Protocols for IoT	3	0	0	3
10	ECE3078	IoT and Cloud Computing	3	0	0	3
11	ECE3079	Fog Computing	3	0	0	3
12	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
13	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
14	ECE3082	Data Science for IoT	3	0	0	3
15	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
16	ECE3084	Mobile App Development for IoT	3	0	0	3
17	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3





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18	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
19	ECE3087	IoT Robots	3	0	0	3
20	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3





Department of Electronics and Communication Engineering Action Taken Report (ATR) on Alumni Feedback for BTECH received during the AY 2021-2022

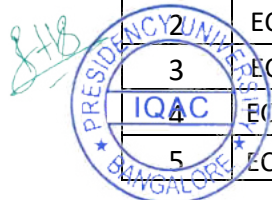
Department	Stakeholder	Feedback Received	Action Taken
Electronics and Communication Engineering	Alumni	<ul style="list-style-type: none">The alumni opined very good (50 %) that the curriculum is balanced with the requisite number of Foundation, core and elective courses.28.57% of alumni opined curriculum offers enough flexibility to the students to choose the courseThe majority of the students think that have opined good course curriculum fulfilling their expectations (employability skills, entrepreneurial skills)42.86% rate very good overall credit structure of the program.Alumni have opined (57.14%) that the curriculum structure looks to be appropriate to develop the necessary skill set and impart the knowledge required for a professional.	<ul style="list-style-type: none">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 meet 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	T	P	C
1	ECE 307	Digital Image Processing	3	0	0	3
2	ECE 308	Embedded System Design Using ARM	3	0	0	3
3	ECE 310	Fuzzy Logic and Its Engineering Applications	3	0	0	3
4	ECE1004	Microprocessor based systems	3	0	0	3
5	ECE2001	Analog Electronics	3	0	2	4





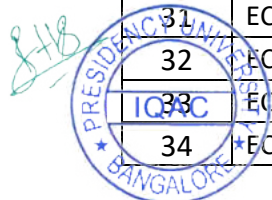
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6	ECE2002	Digital Electronics	3	0	2	4
7	ECE2003	Signals and Systems	3	0	2	4
8	ECE2004	Network Theory	3	0	0	3
9	ECE3001	Linear Integrated Circuits	3	0	2	4
10	ECE3002	Digital Signal Processing	3	0	2	4
11	ECE3003	Microprocessor Programming and Interfacing	3	0	2	4
12	ECE3004	Electromagnetic Theory	3	0	0	3
13	ECE3005	Analog Communication	3	0	2	4
14	ECE3009	Transmission Lines and Waveguides	3	0	0	3
15	ECE3010	Measuring Instruments and Sensors (for 2020 batch only)	3	0	2	4
16	ECE3011	Digital Communication	3	0	2	4
17	ECE3012	Information Theory and Coding	3	0	0	3
18	ECE3014	Microcontroller Applications	3	0	2	4
19	ECE3016	Electronic Controlled Converters	3	0	0	3
20	ECE3017	Linear Algebra for Communication Engineering	3	0	0	3
21	ECE3018	Engineering Applications using Software Tools	3	0	0	3
22	ECE3019	Python Programming For Electronics Applications	3	0	0	3
23	ECE3020	Computational Intelligence and Machine Learning	3	0	0	3
24	ECE3021	Optoelectronic Materials	3	0	0	3
25	ECE3022	Fundamentals of Photonics	3	0	0	3
26	ECE3023	Wireless Sensor Networks and IOT	3	0	0	3
27	ECE3024	Data Acquisition Techniques	3	0	0	3
28	ECE3025	Artificial Intelligence with Python	3	0	0	3
29	ECE3026	Neural Networks and Deep Learning	3	0	0	3
30	ECE3027	Industrial Automation and Control	3	0	0	3
31	ECE3028	Speech Signal Processing	3	0	0	3
32	ECE3029	Digital Image Processing	3	0	0	3
33	ECE3030	Fuzzy Logic and its Engineering Applications	3	0	0	3
34	ECE3031	Applications of Deep Learning	3	0	0	3





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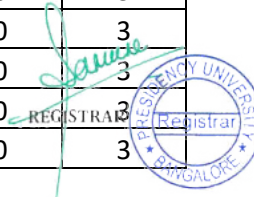
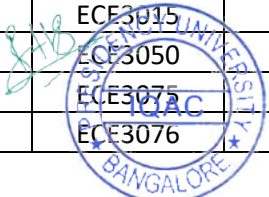


35	ECE3032	Multimedia Signal Processing	3	0	0	3
36	ECE3033	Adaptive Signal Processing	3	0	0	3
37	ECE3034	Bio-Instrumentation Systems	3	0	0	3
38	ECE3035	Biomedical Signal Processing	3	0	0	3
39	ECE3036	Probabilistic System Analysis	3	0	0	3
40	ECE3037	Audio Signal Processing for Music Applications	3	0	0	3
41	ECE3038	Electronic Music Production	3	0	0	3
42	ECE3039	DSP Processors	3	0	0	3
43	ECE3040	Embedded Systems	3	0	0	3
44	ECE3041	Real Time Systems	3	0	0	3
45	ECE3042	MEMS and Nanotechnology	3	0	0	3
46	ECE3043	Mixed Signal Circuit Design	3	0	0	3
47	ECE3044	IC Fabrication Technology	3	0	0	3
48	ECE3045	Sensor Technology	3	0	0	3
49	ECE3046	Low power VLSI Design	3	0	0	3
50	ECE3047	CAD for VLSI	3	0	0	3
51	ECE3048	FPGA Design for Embedded Systems	3	0	0	3

Annexure – II

List of B.Tech New Courses introduced

S. No.	COURSE CODE	COURSE NAME	L	T	P	C
1	ECE2006	Digital Electronics (2021 Batch Only)	2	0	2	3
2	ECE2007	Digital Design (CSE 2021 Batch Onwards)	2	0	2	3
3	ECE2008	Signals and Systems (2021 Batch Only)	3	0	0	3
4	ECE3013	Antenna and Wave Propagation	3	0	0	3
5	ECE3015	Measuring Instruments and Sensors (from 2021 onwards)	3	0	0	3
6	ECE3050	Design for Testability	3	0	0	3
7	ECE3075	IoT: Architecture and Protocols	3	0	0	3
8	ECE3076	IoT Platforms and Application Development	3	0	0	3





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9	ECE3077	Wireless Protocols for IoT	3	0	0	3
10	ECE3078	IoT and Cloud Computing	3	0	0	3
11	ECE3079	Fog Computing	3	0	0	3
12	ECE3080	IoT Edge Nodes and its Applications	3	0	0	3
13	ECE3081	Security and Privacy in Traditional IoT Systems	3	0	0	3
14	ECE3082	Data Science for IoT	3	0	0	3
15	ECE3083	Hardware and Software Architectures for IoT Systems	3	0	0	3
16	ECE3084	Mobile App Development for IoT	3	0	0	3
17	ECE3085	Security and Privacy in Edge Native Solutions	3	0	0	3
18	ECE3086	Industrial Internet of Things (IIoT)	3	0	0	3
19	ECE3087	IoT Robots	3	0	0	3
20	ECE3088	Internet of Medical Things (IoMT)	3	0	0	3

