

Part-B
(2020-21)

CRITERION I – CURRICULAR ASPECTS			
1.1 Curriculum Design and Development			
1.1.1 Programmes for which syllabus revision was carried out during the Academic year			
Name of programme	Programme Code	Year	Dates of revision
B.Tech ECE	04	R-17 VII & VIII Semester	29.01.2019
		R-18 V & VI Semester	20.11.2020
		R-20 I & II Semester	
1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
B.Tech ECE - 04	2002	VLSI Design: B45PC2	10.08.2020
		Digital Signal Processing: B45PC3	10.08.2020
		Telecommunication Switching Systems and Networks: A47PE2-I	10.08.2020
		Cellular and Mobile Communications: A47PE3-I	10.08.2020
		Electronic Measurements and Instrumentation: A47PE3-II	10.08.2020
		CMOS Analog Integrated Design: A47PE5-I	10.08.2020
		CMOS Digital Integrated Design: A47PE5-II	10.08.2020
		Microwave Engineering: A47PC1	10.08.2020
		Microprocessors and Microcontrollers: B46PC2	01.03.2021
		Embedded Systems Design: A48PE1-II	01.03.2021
1.2 Academic Flexibility			
1.2.1 New programmes/courses introduced during the Academic year			
Programme/Course	Date of introduction		
B.Tech ECE/ RF Circuit Design	10.08.2020		
B.Tech ECE/ Artificial Neural Networks	10.08.2020		
B.Tech ECE/ Information Theory and Coding	10.08.2020		
B.Tech ECE/ CMOS Analog Integrated Design	10.08.2020		
B.Tech ECE/ CMOS Digital Integrated Design	10.08.2020		
B.Tech ECE/ Mixed Signal Design	10.08.2020		
B.Tech ECE/ MEMS	01.03.2021		
B.Tech ECE/ Image Processing and Pattern Recognition:	01.03.2021		
B.Tech ECE/ Optimization Techniques	01.03.2021		

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS	UG	Date of implementation of CBCS / Elective Course System
B.Tech ECE	Telecommunication Switching Systems and Networks: A47PE2-I RF Circuit Design: A47PE2-II Artificial Neural Networks: A47PE2-III	10.08.2020
B.Tech ECE	Cellular and Mobile Communications: A47PE3-I Electronic Measurements and Instrumentation: A47PE3-II Information Theory and Coding: A47PE3-III	10.08.2020
B.Tech ECE	CMOS Analog Integrated Design: A47PE5-I CMOS Digital Integrated Design: A47PE5-II Mixed Signal Design: A47PE5-III	10.08.2020
B.Tech ECE	Cellular and Mobile Communications: B46PE3-I MEMS: B46PE3-II Information Theory and Coding: B46PE3-III	01.03.2021
B.Tech ECE	Wireless Communications and Networks: B46PE4-I Image Processing and Pattern Recognition: B46PE4-II Power Electronics: B46PE4-III	01.03.2021
B.Tech ECE	Optimization Techniques: A48PE1-I Embedded Systems Design: A48PE1-II Satellite Communications: A48PE1-III	01.03.2021
B.Tech ECE	Optical Communications: A48PE2-I Wireless Communications and Networks: A48PE2-II Principles of Electronic Communications: A48PE2-III	01.03.2021
Already adopted (mention the year)		2020

2020

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
SWAYAM – NPTEL	July - October	156+71+60
SWAYAM – NPTEL	Jan - April	60+171+40

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
B.Tech ECE	241 (2020-21)

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	-	Yes	-	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

The Internal Quality Assurance Cell is the primary system that takes care of quality in the college. The

IQAC conducts number of evaluations that have a specific focus on issues and concerns. Every semester the students give their feedback of the staff. This helps the staff and management to constantly improve their methodology of imparting the knowledge to the students.

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Tech ECE (2020-21)	168+72	95	198

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2020-21	240 (ECE)	-	53 (ECE)	-	-

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
53	53	LCD	4	4	NPTEL, SWAYAM MOOCS

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring programme is conducting in our college. It helps the students to strengthen their varied capabilities and to build an interpersonal relationship between the teachers and students. Each teacher is assigned with the task of mentoring 20 students. All mentors keep a confidential data sheet about their students, "mentors assessment of students" which records a report of mentoring done by the teachers. These reports are periodically evaluated by a team of teachers selected from each department. The mentoring programme is monitored by a committee consisting of the Principal, Dean Academic and experienced faculty.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2020-21	198+270+271+241= 980	53
		1:19

(ECE)				
2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
04 in 2020-21	04	-	04	03
2.4.2 Honours and recognitions received by teachers <i>(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)</i>				
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies	
2020	Mrs. G. Anitha Chowdary	Associate Professor	Elite+Gold in Discrete Time Signal Processing	
2020	Mrs. Sukanya K	Associate Professor	Elite in Microprocessors and Microcontrollers	
2.5 Evaluation Process and Reforms				
2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year				
Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year-end examination
B.Tech, ECE	04	IV - II Semester	16/07/2021	02/08/2021
2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year *Do not include re-evaluation/ re-totalling				
Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage		
Nil				
Nil				
2.6 Student Performance and Learning Outcomes				
2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink) http://tkrcet.ac.in/				
2.6.2 Pass percentage of students				
Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
04	B. TECH. ECE	238	163	68.48%
2.7 Student Satisfaction Survey				

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as web link)
<http://tkrcet.ac.in/exam-branch/results/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes..... No. if yes give details

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
-	-	-	-

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National				
International				

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects				
Projects sponsored by the University/ College				
Students Research Projects (other than compulsory by the College)	4 months	TKRCET	2,00,000	2020-21
International Projects				
Any other(Specify)				
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Analog CMOS Design and its implementation in present applications	ECE	05.07.2020
Three day awareness program on	ECE	06.07.2020 to 08.07.2020

industry oriented mini project on VLSI		
Three day awareness program on industry oriented mini project on Signal processing	ECE	06.07.2020 to 08.07.2020
Four day online program practice engineering with graphical System design and products.	ECE	13.072020 to 18.07.2020

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by

Name of the Start-up	Nature of Start-up	Date of commencement

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	ECE		
International 2020-21	ECE	16	5

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publications
ECE 2020-21	16

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/ Filed	Patent Number	Date of Award

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Structure fortification of mixed CNT bundle interconnects for nano integrated circuits using constraint-based particle swarm optimization	Dr.M GIRISH KUMAR	IEEE Transactions on Nanotechnology	FEB -2021			
Thermal Analysis of Through Silicon Vias using MWCNT based TSV in 3D Integrated Packaging System	Dr.M GIRISH KUMAR	European Journal of Molecular & Clinical Medicine	DCE-2020			
IOT based Patient Health Monitoring using Sensor Technology	Amit Gangopadhyay	IJRASET-SCOPUS,UGC . Approved Journal	JUNE-2020			

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops		179 (2020-21)		
Conferences/ Presented papers				
FDP		115 (2020-21)		

3.5 Consultancy**3.5.1 Revenue generated from Consultancy during the year**

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees

3.6 Extension Activities**3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year**

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated in such activities	Number of students participated in such activities
Yoga day Celebration	NSS Unit, TKRCET & in association with SAHAJA YOGA	2	100
Covid-19 Awareness Programme	NSS Unit, TKRCET	2	40
Food and Blanket distribution drive	NSS Unit, TKRCET	2	30
Webinar on "Fighting climate change through our diet"	NSS Unit, TKRCET & in association with Humane society International India	2	100
online blood and Plasma intermediary service	NSS Unit, TKRCET	2	250
10 day awareness campaign "Stay Home Stay Safe"	NSS Unit, TKRCET	2	30
distributed food and essential requirements to the Covid effected people	NSS Unit, TKRCET	2	30
Integrity pledge	NSS Unit, TKRCET & Central vigilance commission of India	2	80
distributed masks and sanitizers	NSS Unit, TKRCET	2	30
quiz competition on the topic "Covid 19 in India"	NSS Unit, TKRCET	2	250

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
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3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swatch Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers co-ordinated such activities	Number of students participated in such activities
Covid-19 Awareness Programme	NSS Unit, TKRCET	Awareness	2	40
Food and Blanket distribution drive	NSS Unit, TKRCET	Services	2	30
online blood and Plasma intermediary service	NSS Unit, TKRCET	Awareness	2	250

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
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3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Training	DRDO,RCI,E CIL,BEL		3 weeks	55

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Electronics & ICT Academy and solutions	04/09/2017	To improve the Quality of Education	5
Matchwell technology solutions	17/07/2018	Design and implementation of projects	62

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
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4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	10 acres	
Class rooms	12	
Laboratories	12	
Seminar Halls	01	
Classrooms with LCD facilities	02	
Classrooms with Wi-Fi/ LAN	01	
Seminar Halls with ICT facilities	02	
Video Centre	00	
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		
Value of the equipment purchased during the year (Rs. in Lakhs)		
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation

4.2.1 Library Services: ECE Department

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	382					
Reference Books	100					
e-Books	182					
Journals	24					
e-Journals	44					
Digital Database						
CD & Video						
Library automation						
Weeding (Hard & Soft)						
Others (specify)	40					

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others

Existing	180	3					50	
Added								
Total								
4.3.2 Bandwidth available of internet connection in the Institution (Leased line)								
.....100... MBPS /GBPS								
4.3.3 Facility for e-content								
Name of the e-content development facility				Provide the link of the videos and media centre and recording facility				
4.4 Maintenance of Campus Infrastructure								
4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year								
Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities					
4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)								
CRITERION V - STUDENT SUPPORT AND PROGRESSION								
5.1 Student Support								
5.1.1 Scholarships and Financial Support								
	Name /Title of the scheme	Number of students	Amount in Rupees					
Financial support from institution								
Financial support from other sources								
a) National								
b) International								
5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,								
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved					
Remedial Coaching	NOV, 2020	40	Faculty					
5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year								
Year	Name of the scheme	Number of benefited students by Guidance for Competitive	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed			

		examination			
2020-21	GATE, GRE, IELTS	130	90	3	46

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
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5.2 Student Progression

5.2.1 Details of campus placement during the year

On Campus			Off Campus
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
10	137	28	18

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2020-21	3	TKRCET	ECE	Various Institutions	Various Programmes

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE		
GMAT		
CAT		
GRE	3	
TOFEL		
Civil Services		
State Government Services		
Any Other (IELTS,PGCET,ICET,MSIT)		

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

5.3.2 No. of registered Alumni:

5.3.3 Alumni contribution during the year (in Rupees) :

5.3.4 Meetings/activities organized by Alumni Association :

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

6.1.2 Does the institution have a Management Information System (MIS)?
Yes/No/Partial:

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

- ❖ Curriculum Development
- ❖ Teaching and Learning
- ❖ Examination and Evaluation
- ❖ Research and Development
- ❖ Library, ICT and Physical Infrastructure / Instrumentation
- ❖ Human Resource Management
- ❖ Industry Interaction / Collaboration
- ❖ Admission of Students

6.2.2 : Implementation of e-governance in areas of operations:

- ❖ Planning and Development
- ❖ Administration
- ❖ Finance and Accounts
- ❖ Student Admission and Support
- ❖ Examination

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ - workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2020-21	Industry Oriented Project on Embedded Systems		29th June- 1st July	36	
2020-21	Industry Oriented Project on VLSI		6-8th July	38	
2020-21	Industry Oriented Project on Signal processing		6-8th July	32	

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Wireless Communication Technologies for IOT	1	27th July-7th Aug
Internet of Things (IOT) for Intelligent Systems	1	20th - 24th July 2020
5G Design- Journey from Devices to Circuits	1	1-12th March
ICT Tools for Engineering College Teaching learning Processes	1	15th-26th March
Internet of things for Intellegent for systems	1	20-24th July
Trends and Advances in Cryptography	1	24-28th Aug
5G Design- Journey from Devices to Circuits	1	1-12th March
Recent Trends in IoT using Embedded systems	1	1-13th Feb
Emerging Trends in Advanced Signal and Image Processing	1	15th-20th Feb
5G Design- Journey from Devices to Circuits	1	1-12th March

Recent Trends in IoT using Embedded systems	1	1-13th Feb
Emerging Trends in Advanced Signal and Image Processing	1	15th-20th Feb
Trends and Advances in Cryptography	1	24-28th Aug
5G Design- Journey from Devices to Circuits	1	1-12th March
Recent Trends in IoT using Embedded systems,	1	1-13th Feb
Emerging Trends in Advanced Signal and Image Processing	1	15th-20th Feb
Online orientation Training Programme for Mentors	1	4th-8th Jan
Digital Image Processing And Its Applications	1	9-11th July
Simulation And Modelling Of Data Communication Networks	1	
Artificial Neural Network And Deep Learning	1	4-8th July
Data Science Applied To Industries	1	17th-21st Aug
Artificial Intelligence using Python	1	14-19th Sep
Artificial Intelligence using Python	1	14-19th Sep
Computer Vision Using Convolution Neural Networks	1	8-10th June
Effective Technical Report Writing Using Latex	1	8 th -9 th June
Artificial Neural Network And Deep Learning	1	4-8th July
AICTE Sponsored "Research Avenues In Machine Learning Approaches For Pattern Recognition"	1	24 th - 29 th Aug
Challenges & Research Opportunities In The Area Of Communication & Signal Processing	1	20 th - 24 th July
Research Areas in Biomedical Signal Processing"	1	21st - 26th June 2021
Current Research Trends In Electronics & Communication Engineering	1	29th-3rd July
Neural Language Processing	1	30th June-4th July
Advancement In Communication Engineering Technologies With Simulation Tools	1	1st-5th July
Exposure & Rejuvenation Of Technologies In Changed Era Of The World	1	6-10th July
Machine Learning With Web Development	1	6-10th July
World Of Cyber Physical Systems And Future Robotics Of Industry: Cobotics	1	11-12th July
Exploring The Essential Technologies In Cyber Security	1	6th-7th July
Blockchain Architecture, Ethereum & Hyperledger (Baeh)	1	8-12th July
Arduino With Tinkercad- Open Source Real-Time Emulator	1	11th July
Artificial Intelligence Applications Through Machine Learning	1	14-18th July
Research Avenues In Machine Learning Approaches For Pattern Recognition	1	24-29th Aug
Machine Learning And Data Science	1	31st-4th Sep
Cyber Security In Practical Aspects	1	1st-5th Sep

Deep Learning	1	22nd-26thAug
Signal Processing Techniques For Advanced Wireless Communication	1	26th-31stOct
Cyber Security & Block-Chain Technologies	1	16th-21stNov
Applications Of Ni Labview	1	7-12thDec
Current Trends And Emerging Advances In Marine Navigation And Communication	1	7-12thDec
Satellite Photogrammetry And Its Applications	1	29thJune-3rdJuly
Short term training Programm on Outcome Based Educati0on For TechnicalInstitutions	1	16-21stNov
Advances In Next Generation Wireless Communications & Networks	1	27-31stJuly
Recent Trends In Wireless Communication Technologies	1	3rd-5thAug
Scilab To Engineering Applications	1	27thJuly-1stOct
Trends And Advances In Cryptography	1	24-28thAug
Impact of machine learning during current covid-20 period	1	12th Jan
5G Design: Journey from devices to circuits"	1	1-12th March
Reliability engineering ans system safety	1	15-27th Feb
Accelerate Research	1	22nd-27thSep
Modern trends and developments in semiconductor Microelectronics	1	9-11thOct
Recent Trends in VLSI Devices/Circuits and Applications	1	12-17thJuly
FDP on Next generation Trends for Nanotechnology in CMOS, Photonics and Neuromorphic Computations	1	25-30thJan
Mixed Signal VLSI Circuit Design	1	25-27thJan
Advanced CMOS VLSI	1	3rd-8thDec
Analog VLSI Design	1	2nd-7thDec
Accelerate Research	1	22nd-27thSep
Modern Trends and Developments in Semiconductor Microelectronics	1	12-17thJuly
Recent Trends in VLSI Devices/Circuits and Applications	1	25-30thJan
FDP on Next generation Trends for Nanotechnology in CMOS, Photonics and Neuromorphic Computations	1	25-27thJan
Mixed Signal VLSI Circuit Design	1	3rd-8thDec
Enhancing Research and Development through Project Based Learning to Achieve Outcome Based Education in Engineering	1	22nd-29thDec
ICT Tools for Engineering College Teaching and Outcome Based Learning	1	5-10thOct
Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges	1	7th-12thDec
IoT powered solutions for healthcare innovations	1	30-5thDec
Artificial Intellegence using Python	1	14-19thAug
Sensors Technology	1	21st-25thOct

RISC-V VLSI IMPLEMENTATION FLOW:RTL2GDS	1	27th-10th April
Emerging trends in wireless sensor networks and application	1	14-19thSep
Art of research paper writing	1	19thsep
feedback for webinar on Forecasting for END of covid19 & severity index based on astrological aspects using fuzzy rules	1	19thsep
DEEP LEARNING TECHNIQUES FOR ELECTRONIC HEALTH RECORD ANALYSIS	1	1st-6th Feb
RISC-V VLSI IMPLEMENTATION FLOW:RTL2GDS	1	27th-10th April
Recent Trends in Nano Electronic Devices	1	12-17July
Mixed Signal VLSI Circuit Design	1	25-27thJan
Advanced CMOS VLSI	1	3rd-8thDec
Vlsi Ic Design Flow	1	20-30thMay
Python For Data Analysis	1	17-19thJune
Disruptive Technologies In Electronics And Communications	1	22nd-27thJune
Industry Oriented Project Work On Signal Processing	1	6-8thJuly
STTP ON CHALLENGES & RESEARCH OPPORTUNITIES IN THE SIGNAL PROCESSING	1	29thJune-3rdJuly
Sensor Technology	1	1st-5thOct
Internet Of Things (Iot)-Atal Fdp	1	8-12thFeb
RISC-V VLSI Implementation Flow: RTL2GD	1	27March-10thApril
Internet Of Things (Iot)-Atal Fdp	1	8-12thFeb
Internet Of Things (Iot)-Atal Fdp	1	14-18thNov
Sensors Technology	1	1st-5thOct
Trends And Advances In Cryptography	1	24-28thAug
Recent Trends In Electronics And Communications For Teaching Learning And Research	1	28thJuly-3rdAug
Trends In Digital Design	1	9-14thJuly
Wireless Communications And Mobile Technologies	1	6-10thJuly
VLSI Design and verification	1	22th to 27th march
RISC-V VLSI Implementation Flow: RTL2GDS	1	27 March - 10 April,
Machine learning on recent trends and applications phase-1	1	10th to 15th may
Deep learning using IOT for Engineering & science	1	24th to 29th may
EMERGING TRENDS IN VLSI TECHNOLOGY(SLOT-4)	1	14th to 19th june
Machine Learning Applications in Micro-Nano VLSI Technologies	1	21th to 25th june
Impact of machine learning during current covid-20 period	1	12th Jan
"RISC-V VLSI Implementation Flow: RTL2GDS"	1	18thApril
Reliability engineering ans system safety	1	15-27th Feb
Artificial Intelligence	1	14-18thSep
Modern Research Trends in Communication, Signal Processing and VLSI/MEMS	1	19th to 23rd May 2020
SCILAB-An Open Source Substitute for MATLAB	1	25th to 30th MAY 2020
Research Trends in Signal Processing, Antennae, VLSI & IoT	1	28th to 30th May 2020
Embedded system design using MSP430	1	22nd to 27th June 2020

Latest Trends in Computer Vision Technology and Applications	1	27th to 29th July 2020
VLSI Design and Verification	1	22nd to 27th Mar 2021
Machine Learning Applications in Micro-Nano VLSI Technologies	1	21st to 25th June 2021
Machine Learning on Recent Trends and Applications	1	10th to 15th May 2021
Internet Of Things	1	21st-25th Sep
Trends and Advances in Cryptography	1	24-28th Aug
Trends in Digital Design	1	9-14th July
Research Opportunities In Image Processing And Machine Learning	1	29th June-3rd July
DEEP LEARNING TECHNIQUES FOR ELECTRONIC HEALTH RECORD ANALYSIS	1	1st-6th Feb
Artificial Intelligence Using Python	1	14-19th Sep
Research Opportunities In Image Processing And Machine Learning	1	29th June-3rd July
Future Nano Electronic Devices & Circuits	1	27th-31st July
Practice Engineering With Graphical System Design (Ni Labview) And Ni Academic Product	1	13-16th July
Short Term Training Program (Sttp) On Challenges & Research Opportunities In The Area Of Communication & Signal Processing	1	20-24th July
5G Design- Journey from Devices to Circuits	1	1-12th March
INTERNET OF THINGS	1	2nd - 7th JAN 2020
NEURAL NETWORK AND DEEP LEARNING USING PYTHON	1	1st - 5th JUNE 2020
eSim Workshop	1	25th May 2020 to 30th May 2020
Python 3.4.3	1	10TH -15TH JUNE 2020
Latest Trends in Computer Vision Technology and Applications	1	27-29th July
Framework for online assesment	1	12th-16th July
Emerging trends in VLSI Technology	1	14-19th June

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
53	53	5	5

6.3.5 Welfare schemes for

Teaching	Health Check-up Camp by Dr.T.Anitha, ICON Hospital
Non teaching	Health Check-up Camp by Dr.T.Anitha, ICON Hospital
Students	

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

(with in 100 words each)

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
TKRES	2,00,000/-	Development and Maintenance of Labs

6.4.2 Total corpus fund generated

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	Other Engg college	YES	HOD & IQAC Members
Administrative				

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

Parent –Teacher meeting is conducted once in a semester

6.5.3 Development programmes for support staff (at least three)

Faculty Development Programme ,Skill Development programme

6.5.4 Post Accreditation initiative(s) (mention at least three)

6.5.5

- a. Submission of Data for AISHE portal : Yes
- b. Participation in NIRF : Yes
- c. ISO Certification : No
- d. NBA or any other quality audit : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Conducting activity	Duration (from-----to-----)	Number of participants
2020-21	Induction Programme	Awareness Programmes		

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
Covid-19 Awareness Programme	02/11/2020	25	15
Food and Blanket distribution drive	21/10/2020	10	20
online blood and Plasma intermediary service	05/08/2020	75	175

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	10 (Institution)
Provision for lift	Yes	6
Ramp/ Rails	Yes	5
Braille Software/facilities	No	
Rest Rooms	Yes	1
Scribes for examination	Yes	5
Special skill development for differently abled students	Yes	5 (Institution)
Any other similar facility		

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

Plantation programme was organized in the college campus and 50 plants were planted. "Plastic free zone" awareness programme was organized to make campus eco – friendly.

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

8 Future Plans of action for next academic year (500 words)

1. Enhance the number of smart class rooms in the department.
2. Provide standard facilities for value Education.
3. Impart technical and professional education to increase employ-ability and economical development.
4. Organize more number of workshops and seminars.
5. Awareness programme on Entrepreneurship for Students.
6. To achieve high standards in Research and Development.
7. Arrangement of internships for III B.Tech students.
8. Signing of more MOUs with industry

Signature of the Coordinators, IQAC



Dr. P. Gayathri

Assoc. Professor, ECE



Dr. K. Sukanya

Assoc. Professor, ECE

Signature of the Chairperson, IQAC



Dr. D. Nageshwar Rao

Professor & HoD, ECE

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
