

(An Autonomous Institution, affiliated to VTU, Belagavi, recognized by Karnataka and Approved by AICTE, New Delhi.)

B.E. in ELECTRONICS AND COMMUNICATION ENGINEERING 2024 Scheme of Teaching and Examinations

			9 MC			SEC	8 AEC/	A 100	+	+	6 ETC/PLC	ן 5 / אכנר	+	4 PCC	3 <i>IPCC</i>	2 IPCC	1 PCC/BSC	+		SI. Course	III SEMESTER
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	Music	Yoga	Athletics)	Physical Education (PE) (Sports and	National Service Scheme (NSS)		Enhancement Course - III	Ability Enhancement Course/Skill		Social Connect and Responsibility	ETC/PLC	Laboratory	Digital System Design using Verilog	Digital System Design using Verilog	Signals and Systems (Integrated)	Analog Electronic Circuits (Integrated)	-	Transform Calculus and Special		Course Title	
	Prominent NGO	Yoga Teacher	Director	Physical Education	NSS coordinator		, הכר	י ר		FCF	ב כו		ECE	בכה	ביים ביים	ECE	700	Maths	a F	Teaching partment (TD and Question Paper Setting Board (PSB))
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Ocpt. of Electrome a Communication English Global Academy of Techn gy
Rajarajeshwarinagar, Bangalore - 98

Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE:





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2024 Scheme of Teaching and Examinations

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Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE:

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B.E. in ELECTRONICS AND COMMUNICATION ENGINEERING 2024 Scheme of Teaching and Examinations

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Music	Yoga	Physical Education (PE) (Sports and Athletics)	National Service Scheme (NSS)	Universal human values course	Biology For Engineers		Enhancement Course- IV	Ability Enhancement Course/Skill		ETC/PLC	Principles of Communication Systems Laboratory	Principles of Communication Systems	Engineering Electromagnetics	Circuits and Controls (Integrated)		Probability and Complex Analysis	Probability and Complex Analysis	Course Title Probability and Complex Analysis
Prominent NGO	Yoga Teacher	Physical Education Director	NSS coordinator	ECE	ECE/Chemistry		רכר	ח		ECE	ECE	ECE	ECE	ECE		Maths	at :	Teaching Department and Questi Paper Setti Board (PS
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Semester End Evaluation. K: This letter in the course code indicates common to all the stream of engineering. ETC: Emerging Technology Course, PLC: Programming Enhancement Course, SEC: Skill Enhancement Course, L: Lecture, T: Tutorial, P: Practical S= SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: PCC: Professional Core Course, PCCL: Professional Core Course laboratory, UHV: Universal Human Value Course, MC: Mandatory Course (Non-credit), AEC: Ability Language Course.

HEAD OF THE DEPARTMENT

Dept. of Electronics & Communication English bal Academy of Technology.

Rajarajeshwarinagar. Rangalore - 08

Cloud Academy of Technology, Rajarajeshwainagar, Bennatur, As

BEC24406A Data Structures using C BEC24406C Introduction to Artificial Intelligence BEC24406B Microcontroller BEC24406D Sensors and Instrumentation BEC24457A(L:T:P) Data Structures Laboratory using C BEC24457C(L:T:P) Software Development Life Cycle BEC24457B(L:T:P) Arduino-based Circuit Simulation using Tinkercad	A CANADA	EnierBirig Technology Course/Flogramming Fanguage Course (ETC/FEC)	iiig Laiiguage Course	(EIC/PLC)
lity Enhancement Course / Skill Enhancement Course BEC24457C(L:T:P)	BEC24406A	Data Structures using C	BEC24406C	Introduction to Artificial Intelligence
lity Enhancement Course / Skill Enhancement Course BEC24457C(L:T:P) BEC24457D(L:T:P)	BEC24406B	Microcontroller	BEC24406D	Sensors and Instrumentation
BEC24457C(L:T:P) BEC24457D(L:T:P)		Ability Enhancement Course / Skill	Enhancement Course	3-IV
BEC24457D(L:T:P)	BEC24457A(L:T:P)	Data Structures Laboratory using C	BEC24457C(L:T:P)	Software Development Life Cycle
	BEC24457B(L:T:P)	Microcontroller Laboratory	BEC24457D(L:T:P)	Arduino-based Circuit Simulation using Tinkercad

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2024 Scheme of Teaching and Examinations

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atte ao avan	Laboratory		Machine Learning with Python	ng	Pro		Music	Yoga	Athletics)	Physical Education (PE) (Sports and	National Service Scheme (NSS)	Environmental Studies	Research Methodology and IPR	Mini Project		Enhancement Course- V	Ability Enhancement Course/Skill		Professional Elective Course I	VLSI Design Laboratory	VLSI Design	Digital Signal Processing (Integrated)	Engineering Economics and Management		Course Title	
BEC24556D(L:T:P)	BEC24556C(L:T:P)	Ability Enhancement Course / Skill Enhance	BEC24505D	BEC24505C	Professional Elective C		Prominent NGC	Yoga Teacher		P	NSS coordinato	Civil	ECE	ECE					ECE	ECE	ECE	ed) ECE	ECE	De	Teaching epartment (TC and Question	D)
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Power Electronics		Digital Image Processing	¥		BLAK24659	ВҮОК24659	BPEK24659	BNSK24659	BIKS24608			DEC2403/X	BEC2/657v			BECL24607	BECP24606	BEC24605x	BEC24604x	BEC24603	BEC24602	BEC24601		Course Code	
		cessing	Profession		Music	Yoga	Physical Education (PE) (Sports and Athletics)	National Service Scheme (NSS)	Indian Knowledge System			Development Course VI	Ability Enhancement Course/Skill			Communication Systems Laboratory	Project Phase I	Open Elective Course I	Professional Elective Course II	Design for Testability	Digital Communication Systems	Embedded Systems (Integrated)		Course Title	
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	Open Elective Course I	urse l	
DECONCOA A		BEC24604C	Signal Processing
BEC24604A	Electronics Communication Systems	0100.0	Q.
BECOMENIA	Micro Electro Mechanical Systems	BEC24604D	Introduction to Digital Image Processing
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	Ability Enhancement Course / Skill Enhancement	Enhancement Cou	Course-VI
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BEC24657A(L:T:P)	BEC24657A(L:T:P) Technical writing using LATEX Laboratory	BEC24657C(L:1:P)	BEC24657C(L:T:P) Next Generation Selflicolladicion Devices
BEC24657B(I:T-P)		BEC24657D(L:T:P)	BEC24657D(L:T:P) Design for Testability Laboratory
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B.E. in ELECTRONICS AND COMMUNICATION ENGINEERING

2024 Scheme of Teaching and Examinations

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Profes	BECP24706 Major Project Phase-II	Open Elective Course (Joninie)	BEC24704x Professional Elective Course / (Smire)	Wireless and Mobile Commence / (Online) III	Wild Owake and Americation	Missource and Antenna (Integrated)	(Integrated)	Computer Communication Networks				Course Title	VII SEMESTER (Swappable VII and VIII SEMESTER)	2024 301101101
Professional Elective Course III	r ()	ECE	Any Department	ECE	ECE	ECE		ECE		D	ar Pa	Teaching Partment (T and Questio Paper Settin Poard (PSB	n g	
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Automotive Electronics	Mobile Technology and Applications		Open Elective	Clyptography Clyptography Clyptography Clyptography		Professional Elective Course III	
ional Elective	BEC24705D	BEC24705C	Course II	BEC24704D	BEC24704C Op	ve Course III	
Project Work, L: Lecture, 1:	Introduction to Multimedia Communication	BEC24705C Smart Sensors & Instrumentation		BEC24704D Satellite Communication	Optical Fiber communications		

department, OEC: Open Elective Course, PEC: Professional Elective Course. PROJ: Project work Tutorial, P: Practical S=SDA: Skill Development Activity, CIE: Continuous Internal Evaluation, SEE: Semester End Evaluation. TD-Teaching Department, PSB: Paper Setting PCC: Professional Core Course, PCCL: Professional Core Course laboratory, PEC: Professional Elective Course, OEC: Open E

Note: VII and VIII semesters of IV years of the program

(1) Institutions can swap the VII and VIII Semester Schemes of Teaching and Examinations to accommodate research internships/ industry internships after the VI

semester.

or VIII semesters is completed during the beginning of the IV year or the later part of IV years of the program. (2) Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether the VII

dept. of Electronies & Communication Eug. TEAD OF Global Academy of Technology Rajarajeshwarinagar, Bankalore - 96. THE DEPARTMENT



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2024 Scheme of Teaching and Examinations

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Note: VII and VIII semesters of IV years of the program

Swapping Facility

- Institutions can swap VII and VIII Semester Scheme of Teaching and Examinations to accommodate research internships/ industry internships/Rural Internship
- Credits earned for the courses of VII and VIII Semester Scheme of Teaching and Examinations shall be counted against the corresponding semesters whether VII or after the VI semester. VIII semester is completed during the beginning of IV year or later part of IV year of the program.

class shall attend VII semester classwork and a similar percentage of others shall attend to Research Internship or Industrial Internship or Rural Internship. shall be permitted to be operated simultaneously by the University so that students have ample opportunity for an internship. In other words, a good percentage of the At the beginning of IV years of the program i.e., after VI semester, VII semester classwork and VIII semester Research Internship / Industrial Internship / Rural Internship Sept. of Electronies & Communication English MEAD OF THE DEPARTMENT

Global Academy of Technology Rajarajoshwarinagar, Bangalore-92

Centre established in the parent institute and /or at reputed research organizations/institutes. Research/Industrial /Rural Internship shall be carried out at an Industry, NGO, MSME, Innovation centre, Incubation centre, Start-up, centre of Excellence (CoE), Study

considered for the award of a degree. Those, who do not take up/complete the internship shall be declared to fail and shall have to complete it during the subsequent The mandatory Research internship /Industry internship / Rural Internships for 14 to 20 weeks. The internship shall be considered as a head of passing and shall be University examination after satisfying the internship requirements.

field and imparts the skill required for carrying out research. Research internship: A research internship is intended to offer the flavour of current research going on in the research field. It helps students get familiarized with the

appreciate, and adapt to organizational realities by tempering their knowledge with practical constraints. learn to overcome unexpected obstacles and successfully navigate organizations, perspectives, and cultures. Dealing with contingencies helps students recognize, Industry internship: Is an extended period of work experience undertaken by students to supplement their degree for professional development. It also helps them

studying in different academic years for exploring various opportunities in techno-social fields, to connect and work with Rural India for their upliftment Rural Internship: Rural development internship is an initiative of Unnat Bharat Abhiyan Cell, RGIT in association with AICTE to involve students of all departments

With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside the The students are permitted to carry out the internship anywhere in India or abroad. University shall not bear any expenses incurred in respect of the internship. The faculty coordinator or mentor has to monitor the student's internship progress and interact with them to guide for the successful completion of the internship

for students on the VTU web portal. Professional Elective /Open Elective Course: These are ONLINE courses suggested by the respective Board of Studies. Details of these courses shall be made available bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization. state or abroad), provided favorable facilities are available for the internship and the student remains regularly in contact with the internal guide. University shall not

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Global Academy of Technology
Rajarajoshwarinagar, Rangalore - 09

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B.E. in ELECTRONICS AND COMMUNICATION ENGINEERING

2024 Scheme of Teaching and Examinations

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HEAD CHAPTE DEPAR'IMEN Dept. of Electronics & Communication Eng.
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B.E. in ELECTRONICS AND COMMUNICATION ENGINEERING 2024 Scheme of Teaching and Examinations

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