

NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

PART-A: Profile of the Institute

Name of the Program Applied for: Information Technology

A1: Name of the Institute: - Govt. Engineering College, Barton Hill, Thiruvananthapuram

Year of Establishment : 1999

Location of the Institute: Barton Hill Thiruvananthapuram

A2: Institute Address: - The Principal Govt. Engineering College, Barton Hill, Thiruvananthapuram Kerala - 695035 Phone : 0471 2300484

City : Trivandrum State : Kerala

Pin Code : 695035 Website: www.gecbh.ac.in

E-mail : principal@gecbh.ac.in

Phone No (with STD Code): 0471-2300484

A3: Name and Address of the Affiliating University (If any): -

Name of the University : APJ Abdul Kalam Technological University, CET Campus

City : Thiruvananthapuram

State : Kerala

Pin Code: 695016

A4: Type of the Institution: - Government Institute

A5: Ownership Status: - State Government

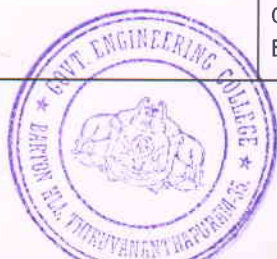
A6: Details of all Programs being Offered by the Institution: -

❖ No. of UG programs: 5

❖ No. of PG programs: 7

Table No. A6.1: List of all programs offered by the Institute.

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	PG	Artificial Intelligence and Data Science	2024	-	Information Technology
2	UG	Civil Engineering	2012	-	Civil Engineering
3	UG	Electrical & Electronics Engineering	2007	-	Electrical & Electronics Engineering
4	UG	Electronics & Communication Engineering	1999	-	Electronics & Communication Engineering



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5	UG	Information Technology	1999	-	Information Technology
6	PG	Machine Design	2012	-	Mechanical Engineering
7	UG	Mechanical Engineering	2001	-	Mechanical Engineering
8	PG	Mechatronics	2024	-	Mechanical Engineering
9	PG	Network Engineering	2011	-	Information Technology
10	PG	Power Electronics & Drives	2020	-	Electrical & Electronics Engineering
11	PG	Power System & Control	2013	-	Electrical & Electronics Engineering
12	PG	Signal Processing	2012	-	Electronics & Communication Engineering

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A7: Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Cluster ID.	Name of the Department	Name of the Program
1.	Information Technology	Information Technology

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

No Allied Departments

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

B1: Provide the Required Information for the Program Applied For: -

Table No. B1: Program details.

S . N .	Program Name	Year of start	Sanctioned Intake	Increase/decrease in intake, if any	Year of increase/decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	Information Technology	1999	60	No	NA	1-44643225 473/2025/E OA	Granted accreditation for 3 years for the period (From	1



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							2023 to 2026)	
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* Write applicable one:

❖ Granted accreditation for 3 years for the period (From 2023 to 2026)

B2: Detail of Head of the Department for the program under consideration:

A. Name of the HoD : Deepthi Sasidharan

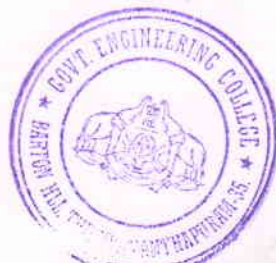
B. Nature of appointment: Regular

C. Qualification: Ph.D.

B3: Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY (2025 -26)	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)	CAYm4 (LYG)	CAYm5 (LYGm1)	CAYm6 (LYGm2)
N= Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	60	60	60	60	60	60	60
N2= Number of students admitted in 2 nd year in the same batch via lateral entry including leftover seats	0	6	6	6	7	6	6
N3= Separate division if any	0	0	0	0	0	0	0
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	4	10	7	8	3	7	2



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Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	64	76	73	74	70	73	68
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CAY= Current Academic Year.

CAYm1= Current Academic Year Minus 1.

CAYm2= Current Academic Year Minus 2.

LYG= Last Year Graduate.

LYGm1= Last Year Graduate Minus 1.

LYGm2= Last Year Graduate Minus 2.

B4: Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY	CAYm1	CAYm2
N= Sanctioned intake of the program in the 1 st year (as per AICTE/Competent authority)	60	60	60
N1= Total no. of students admitted in the 1 st year minus the no. of students, who migrated to other programs/institutions plus no. of students, who migrated to this program	60	60	60
N4= Total no. of students admitted in the 1 st year via all supernumerary quotas	4	10	7
Enrolment Ratio (ER)= (N1+N4)/N * 100	106.67	116.67	111.67
Average ER= (ER_1+ ER_2+ ER_3)/3	111.67 = 100		

B5: Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	LYG	LYGm1	LYGm2
A*= (No. of students admitted in the 1 st year of that batch and those actually admitted in the 2 nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	74	72	68
B=No. of students who graduated from the program in the stipulated course duration	56	52	53
Success Rate (SR)= (B/A)*100	75.68	72.22	77.94
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	75.28		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned



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B6: Academic Performance of the First-Year Students of the Program**Table No.B6.1:** Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1	CAYm2	CAYm3
X= (Mean of 1 st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1 st year/10)	8.06	8.16	8.09
Y= Total no. of successful students	57	54	62
Z = Total no. of students appeared in the examination	70	67	68
API = $X * (Y/Z)$	6.56	6.58	7.38
Average API = $(API_1 + API_2 + API_3)/3$	6.84		

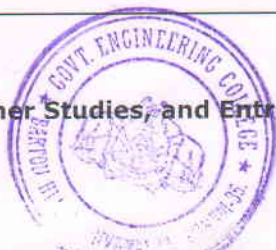
B7: Academic Performance of the Second Year Students of the Program**Table No.B7.1:** Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1	CAYm2	CAYm3
X= (Mean of 2 nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2 nd year/10)	8.01	7.82	7.81
Y= Total no. of successful students	53	64	59
Z =Total no. of students appeared in the examination	60	68	59
API = $X * (Y/Z)$	7.08	7.36	7.81
Average API = $(API_1 + API_2 + API_3)/3$	7.42		

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B8: Academic Performance of the Third Year Students of the Program**Table No.B8.1:** Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1	CAYm2	CAYm3
X= (Mean of 3 rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3 rd year/10)	7.69	7.45	7.63
Y= Total no. of successful students	64	58	54
Z= Total no. of students appeared in the examination	64	59	61
API = $X * (Y/Z)$	7.69	7.33	6.75
Average API = $(API_1 + API_2 + API_3)/3$	7.26		

B9: Placement, Higher Studies, and Entrepreneurship

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Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	67	66	66
X= No. of students placed	42	41	33
Y= No. of students admitted to higher studies	3	7	12
Z= No. of students taking up entrepreneurship	6	2	5
X + Y + Z =	51	50	50
Placement Index (P) = (((X + Y + Z)/FS) * 100)	76.12	75.76	75.76
Average placement index = (P_1 + P_2 + P_3)/3	75.88		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.



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PART C: Faculty Details in Department and Allied Departments
(Data to be filled in for the Department and Allied Departments)

C1: Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

S. N.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at time joining this institution	Present Designation	The date on which designated as Professor/Associate Professor (if any)	Nature of Association (Regular/Contract/Ad hoc)	If contractual full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Current/Associated is "No")
1	Shamna H R	Ph.D	National Institute of Technology Calicut	Wireless communication and Networking	12/06/2017	8.6	Assistant Professor	Professor	15/02/2019	Regular		Yes	
2	Deepthi Sasidharan	Ph.D	National Institute of Technology Calicut	Networking, IoT and Machine learning	21/11/2023	2.1	Associate Professor	Associate Professor	21/11/2023	Regular		Yes	
3	VISAKH R	Ph.D	National Institute of Technology Calicut	Computational Biology and Bioinformatics	01/08/2023	2.5	Assistant Professor	Assistant Professor		Regular		Yes	
4	Rendhir R Prasad	Ph.D	APJ Abdul Kalam Technological University	Complex Networks, Game Theory and	27/02/2013	12.10	Assistant Professor	Associate Professor	15/03/2016	Regular		Yes	



5	Haripriya A. P.	Ph.D	Anna University	Cyber Security	11/03/2019	6.10	Assistant Professor	Associate Professor	25/01/2021	Regular		Yes	
6	Simi Krishna K R	M.Tech	Anna University	Software Engineering	19/05/2011	14.7	Assistant Professor	Associate Professor	13/09/2021	Regular		Yes	
7	Jayasree P	M.Tech	Punjab Technical University Jalandhar	Computer Science & Engineering	10/02/2014	11.11	Assistant Professor	Assistant Professor		Regular		Yes	
8	Manju R	Ph.D	IIT Guwahati	Multicore Architecture	21/01/2023	2.11	Associate Professor	Associate Professor	21/01/2023	Regular		Yes	
9	Vijayana nd K S	Ph.D	Anna University, Chennai	Security in Cloud Computing	19/06/2017	7.1	Assistant Professor	Professor	18/02/2019	Regular		No	30/07/2024
10	Ajini A	M.Tech	Anna University, Chennai	Computer Science & Engineering	13/08/2021	4.5	Assistant Professor	Assistant Professor		Regular		Yes	
11	PRASANTH R S	M.Tech	Kerala University	Computer Science & Engineering	03/09/2022	3.4	Assistant Professor	Assistant Professor		Regular		Yes	
12	JOSNA V R	M.Tech	IIT MADRAS	Multicore Architecture	06/11/2013	12.2	Assistant Professor	Associate Professor	15/07/2021	Regular		Yes	
13	JASSIM RAFEEL	M.Tech	Kerala University	Network Engineering	15/12/2021	3.6	Assistant Professor	Assistant Professor		Regular		No	02/07/2025
14	MALA J B	M.Tech	NIT TRICHY	Computer Science & Engineering	17/06/2019	6.7	Assistant Professor	Assistant Professor		Regular		Yes	



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15	Azila Azeez	M.Tech	Noorul Islam University	Computer Science and Engineering	05/08/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime		No	31/07/2025
16	Preyanka Prasad	M.Tech	APJ Abdul Kalam Technological University	Computer and Information Science	12/11/2024	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime		No	23/09/2025
17	Marina Crompton	M.E.	Anna University, Chennai	Computer Science and Engineering	01/11/2023	1	Assistant Professor	Assistant Professor		Contractual Fulltime		No	01/11/2024
18	Vijithra V	M.E.	Anna University, Chennai	Computer Science and Engineering	10/02/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime		No	04/08/2025
19	Suryapriya S	M.Tech	CUSAT	Software Engineering	23/11/2021	4.2	Assistant Professor	Assistant Professor		Regular		Yes	
20	Minu R Nath	M.Tech	Anna University, Chennai	Information Technology	22/11/2025	0.2	Assistant Professor	Assistant Professor		Regular		Yes	
21	Dhanya C K	M.Tech	Kerala University	Network Engineering	18/07/2016	9.6	Assistant Professor	Assistant Professor		Regular		Yes	
22	Narsheeda Beegum P A	M.Tech	Calicut University	Computer Science and Engineering	24/09/2025	0.4	Assistant Professor	Assistant Professor		Regular		Yes	



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Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

No Allied Departments

C2: Student-Faculty Ratio (SFR)

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG₁=1st UG program

UG_n=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG₁=1st PG program

PG_m=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (SFR) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

Table No.C2.1: Student-faculty ratio.

Year	CAY	CAYm1	CAYm2
UG1: Information Technology			
UG ₁ . B // 2 nd year students of UG ₁ program	66	66	66
UG ₁ . C // 3 rd year students of UG ₁ program	66	66	66
UG ₁ . D // 4 th year students of UG ₁ program	66	66	66
UG ₁ // Total no.of students(2 nd , 3 rd , 4 th) in UG ₁ program	198	198	198
UG _n // Total no.of students(2 nd , 3 rd , 4 th) in UG _n program	198	198	198
PG1: Artificial Intelligence and Data Science			
PG ₁ . A // 1 st year students of PG ₁ program	18	18	0
PG ₁ . B // 2 nd year students of PG ₁ program	18	0	0
PG ₁ // Total no.of students(1 st , 2 nd) in PG ₁ program	36	18	0
PG2: Network Engineering			
PG ₂ . A // 1 st year students of PG ₂ program	18	18	18
PG ₂ . B // 2 nd year students of PG ₂ program	18	18	18



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PG _m // Total no. of students(1 st , 2 nd) in PG ₂ program	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	270	252	234
AS=Total no. of students of all UG and PG programs in allied departments	270	252	234
S=Total no. of students in the Department (DS) and allied departments (AS)	270	252	234
DF=Total no. of faculty members in the Department	14.	16	15
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	14	16	15
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	19.29	15.75	15.60
Average SFR for 3 years	16.88		

C3: Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: $(RF=S/20)$.

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQI= $2.5 * [(10X + 4Y)/RF]$
CAY	6	8	13	17.69
CAYm1	5	11	12	19.58
CAYm2	4	11	11	19.09

C4: Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors	Associate Professors	Assistant Professors
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	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	1	1	3	4	9	9
CAYm1	1	1	2	3	8	11
CAYm2	1	2	2	1	7	12
Average Numbers	1.00	1.33	2.33	2.67	8.00	10.67

C5: Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

S.N	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1				
1	Mr. Thomson M Jacob	Rtd. Group Director, VSSC	Career in Space Industry	2.00
2	Prof. Mahadevan	GEC Barton Hill, Trivandrum	Career Guidance(Induction program for S1 students)	2.00
3	Prof. Mahadevan	GEC Barton Hill, Trivandrum	How to prepare for GATE exams	2.00
4	Prof. Mahadevan	GEC Barton Hill, Trivandrum	Opportunities after B.Tech	2.00
5	Mr. Mani Jose	Cloud Infrastructural Engineer, SADA	Acing Your Placement	2.00
6	Mr. Mikhel V Kuttickal	Associate Engineer, Zippmat Bangalore	Master the basics of Flutter	2.00
7	Dr. Lakshmi V. M	Group Director, Solid Propellant Combustion Research Group, VSSC	ISRO Mission Insights	2.00
8	Dr. Alex James	Dean, Digital University Kerala	Emerging AI Chips – The World of Nano Devices, Quantum, and	2.00




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CAYm2				
1	Aswin R C	Lead Senior Engineer, Qualcomm	AI in Wireless Communication	2.00
2	Mr. Thomson M.A	Senior delivery Manager, Tata Elxi	Technical session by Industrial expert as part of the Induction program for S1 students.	2.00
3	Githeesh S B	Project Engineer, IPCS Global	Xperia: Industrial Automation Workshop	2.00
4	Mr. Thomson M.A	Senior delivery Manager, Tata Elxi	Technical session by Industrial expert as part of the Induction program for S1 students.	2.00
5	S Sanob, KAS	Head, E-Governance and innovation & research, Kerala State IT	TECHNICAL TALK ON : E-Governance initiatives with special focus to engineering and public services	2.00

CAYm3				
1	Dr. B. Anil	Ex Chairperson of ISTE Kerala Section, ISTE	Whats Next	2.00
2	Midhun M	Software Engineer, Rivertech IT Solutions	7-Day Internship Program on Python	14.00
3	Dr Devendra Gbate,	Assistant Professor, Dept of Aerospace Engineering, IIST, TVM	How to Fly	2.00
4	Ardra Suresh	Engineer, Mercedes Benz Research and	Workshp on MATLAB	4.00



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		Development India		
5	Reuben Mathew Shibu	Engineer, Underwater Drone technologies Pvt Ltd.	Drone workshop	14.00
6	Prof. Debatosh Guha	Professor, Institute of Radio Physics and Electronics.	An interactive Session with the legend on research, teaching and leadership	2.00
7	Abdul Ahad	Robotics Testing Engineer, FLUX AUTO	Pursuing a Career in Robotics	2.00

C6: Academic Research

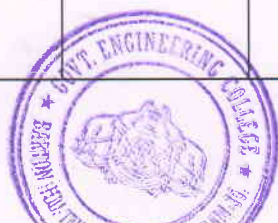
Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	3	2	4
2	No. of peer reviewed conference papers published	4	2	7
3	No. of books/book chapters published	1	0	1

C7: Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
1	Dr. Arun Anirudhan V	Dr. Manju R, Dr. Haripriya A.P, Suryapriya S, Dr Anish K John	Sree Chitra Tirunal Institute for Medical Sciences and Technology	Design and Development of a Comprehensive Low-Cost Simulation Lab for Advanced Cardiopulmonary Resuscitation, Respiratory System, Vascular Access, Critical Care, Interventional Catheterization and	Sree Padmavathi Venkateswara Foundation (Sree PVF)	36 months	100.00



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				Ultrasound Training			
**							
Amount received (Rs.)							100.00
CAYm2							
Amount received (Rs.)							0
CAYm3							
Amount received (Rs.)							0
Total Amount (Lacs) Received for the Past 3 Years							100.00

C8: Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies:

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1							
Amount received (Rs.)							0

CAYm2							
1	Dr. Vijayanand K S	Rajesh Kumar K	District Women and Children Development Office, Government of Kerala	Pennaday alangal	District Women and Children Development Office, Government of Kerala	4 months	1.99
Amount received (Rs.)							1.99
CAYm3							
Amount received (Rs.)							0
Total amount (Lacs) received for the past 3 years							1.99

C9: Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

S.N.	Faculty name	Project title/Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
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CAYm1						
Amount received (Rs.) 0						
CAYm2						
1	Dr. Haripriya A P	Barton Container- Smart Waste Management IoT Device	1 year	0.50	0.50	Barton Container- Smart Waste Management IoT Device
2	Mr. Jassim Rafeek	Development of Aaswas: Smart Electronic Assistive Device for Physiotherapy	1 year	0.50	0.10	Development of Aaswas: Smart Electronic Assistive Device for Physiotherapy
Amount received (Rs.) 1.00						
CAYm3						
1	Dr. Visakh R	Analysis of Adversarial Robustness of Machine Learning Algorithms	ongoing	1.50	0.00	Analysis of Adversarial Robustness of Machine Learning Algorithms
Amount received (Rs.) 1.50						
Total amount (Lacs) received for the past 3 years: 2.50						

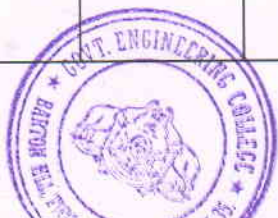
PART-D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department).

D1: Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Programming Lab	36	Intel core i3, i5, and i7 desktop computers, Projector, Public addressing system	ITL201: Data Structures Lab - 6 hours ITL331: Operating System and Network Programming Lab - 6 hours ITL411: Data Analytics Lab - 3 hours EST102: Programming in	Rajesh Kumar K	System Analyst	M.Sc., M.Tech,



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				C - 4 hours, ITL202: Object Oriented Techniques Lab - 6 hours UCEST 105: ALGORITHMIC THINKING WITH PYTHON - 1 hour GXESL 208 : IT Workshop - 4 hour PCITL 308 : Data structure Lab - 3 Hour PCITL 508: Algorithm Analysis and Designing Lab - 3 hour			
2.	Web Application Development Lab	36	Intel core i5 and i7 desktop computers, Projector, Public addressing system	ITL203: Programming and System Utilities Lab - 6 hours ITL204: Database Management Systems Lab- 6 hours ITL333: Web Application Development Lab- 6 hours ITL411: Data Analytics Lab - 3 hours HUN102: Professional Communication Lab - 4 hours ITD334: Mini Project Lab - 6 hours GXEST 204 :Programming in C - 2 hour PCITL 307 : Programming in Python Lab - 3 hour PEITT411: Object Oriented Designing using Java - 1 hour PCITL 408 :Operating System Lab - 3 Hour PCITL 507 : Machine Learning Lab - 3 Hour , UCEST 105: ALGORITHMIC	Gopakumar G	Computer Programmer	MSc PGDCA




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				THINKING WITH PYTHON - 1 hour; UCHUT128 Life Skills and Professional Communication			
3.	Research Lab	18	Intel core i5 desktop computers, QTP, GNS3, CISCO Packet Tracer.	M.Tech Seminar - 3 hours M.Tech Software Testing Lab - 2 hours M.Tech Network Simulation Lab - 6 hours M.Tech-222L1T1 00 - Secure Computing Lab - 2 hours; 222LCS001 Deep Learning lab	Jean V B	Trade Instructor Grade I	MCA
4.	Network Security Lab	36	Intel core i5 desktop computer, CISCO routers, Network switch, Crimping tool, Cable tester, Connectors, Cisco Packet Tracer.	ITL332: Computer Networks Lab - 6 hours M.Tech-221L1T1 00-Advanced Networks Lab - 2 hours PCITL 407 : Computer Network Lab - 3 hour	Jaikumar K Kurumacke I	Computer Programmer	B.Tech
5.	Project Lab	18	Intel core i5 and i7 Desktop computers, Projector, Python, Django, Node JS.	Mini project and main projects in the curriculum and all other course related projects for B.Tech, M.Tech and PhD.	Suresh B	Trade Instructor Grade. II	Diploma in Computer Engineering

D2: ` Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

S.N.	Name of the Laboratory	Safety measures
1.	Programming Lab	1. General rules of conduct and safety rules in laboratories are displayed. 2. Fire extinguishers and first aid boxes are kept in the laboratories 3. Well trained technical support staff. 4. Periodical servicing of lab equipment. 5. Clean and organized atmosphere maintained in the laboratories. 6.



		Damaged equipment is removed promptly for maintenance. 7. ELCB 8. Separate air-conditioned rooms for UPS and Server machines
2.	Web Application Development Lab	1. General rules of conduct and safety rules in laboratories are displayed. 2. Fire extinguishers and first aid boxes are kept in the laboratories 3. Well trained technical support staff. 4. Periodical servicing of lab equipment. 5. Clean and organized atmosphere maintained in the laboratories. 6. Damaged equipment is removed promptly for maintenance. 7. ELCB 8. Separate air-conditioned rooms for UPS and Server machines
3.	Research Lab	1. General rules of conduct and safety rules in laboratories are displayed. 2. Fire extinguishers and first aid boxes are kept in the laboratories 3. Well trained technical support staff. 4. Periodical servicing of lab equipment. 5. Clean and organized atmosphere maintained in the laboratories. 6. Damaged equipment is removed promptly for maintenance. 7. ELCB 8. Separate air-conditioned rooms for UPS and Server machines
4.	Network Security Lab	1. General rules of conduct and safety rules in laboratories are displayed. 2. Fire extinguishers and first aid boxes are kept in the laboratories 3. Well trained technical support staff. 4. Periodical servicing of lab equipment. 5. Clean and organized atmosphere maintained in the laboratories. 6. Damaged equipment is removed promptly for maintenance. 7. ELCB 8. Separate air-conditioned rooms for UPS and Server machines
5.	Project Lab	1. General rules of conduct and safety rules in laboratories are displayed. 2. Fire extinguishers and first aid boxes are kept in the laboratories 3. Well trained technical support staff. 4. Periodical servicing of lab equipment. 5. Clean and organized atmosphere maintained in the laboratories. 6. Damaged equipment is removed promptly for maintenance. 7. ELCB 8. Separate air-conditioned rooms for UPS and Server machines




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D3: Project Laboratory/Research Laboratory**Table No. D3.1:** List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
	Nil

PART E: First Year faculty and financial Resources.

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1: First Year Student-Faculty Ratio (FYSFR)**Table No. E1.1:** FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members $((NS1*0.8) + (NS2*0.2)) / (\text{No. of required faculty (RF4)})$; Percentage= $((NS1*0.8) + (NS2*0.2)) / RF4$
CAY	300	15	3	50	83
CAYm ₁	300	15	5	54	99
CAYm ₂	300	15	6	56	107

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level**Table No. E2.1:** Budget and actual expenditure incurred at Institute level.

Items	Budget ed in CFY	Actual expens es in CFY (till ...)	Budget ed in CFYm1	Actual Expens es in CFYm1	Budget ed in CFYm2	Actual Expens es in CFYm2	Budget ed in CFYm3	Actual Expens es in CFYm3
Infrastructu re Built-Up	4531916	4531916	5132136	5132136	5128135	5128135	4604074	4604074
Library	19810	19810	0	0	1075239	1075239	2172533	2172533
Laboratory equipment	324685	324685	1261647	1261647	4373662	4373662	2304121	2304121
Teaching and non-teaching staff salary	2501028 49	2501028 49	2286582 87	2286582 87	2197312 74	2197312 74	2322652 35	2322652 35
Outreach Programs	15000	15000	25000	25000	20000	20000	0	0



332224	332224	443721	443721	2962199	2962199	1409341	1409341
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Training, Placement and Industry linkage	180989	180989	180989	180989	239383	239383	649103	649103
SDGs	384508	384508	335900	335900	627535	627535	0	0
Entrepreneurship, Maintenance and spares	2331398	2331398	202120	202120	562822	562822	1632515	1632515
Others*, pl. specify (Software + PTA)	2444694	2444694	4617373	4617373	2796047	2796047	7807338	7807338
Total amount	260668073	260668073	240857173	240857173	237516296	237516296	252844260	252844260

E3: Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budget ed in CFY	Actual expense s in CFY (till ...)	Budget ed in CFYm1	Actual Expens es in CFYm1	Budget ed in CFYm2	Actual Expens es in CFYm2	Budget ed in CFYm3	Actual Expens es in CFYm3
Laboratory equipment	99937	99937	266756	266756	440988	440988	1095961	1095961
Software	0	0	0	0	403000	403000	586932	586932
SDGs	76902	76902	67180	67180	125507	125507	0	0
Support for faculty development	0	0	0	0	0	0	0	0
R & D	88744	88744	118488	118488	56374	56374	35386	35386
Industrial Training, Industry expert, Internship	36198	36198	9575	9575	25964	25964	5009	5009
Miscellaneous expenses *	0	0	0	0	0	0	0	0
Total amount	301781	301781	461999	461999	1051833	1051833	1723288	1723288



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