

KOVAI KALAIMAGAL COLLEGE OF ARTS AND SCIENCE

Annual Report for the year 2020-2021

Department of Information Technology

1. Faculty Profile

S.No	Name of the Faculty	Designation	Experience		Qualification Approval No.
			College	Industries	
1	C.Senbagavalli	Assistant Professor & Head	15 Years-1 Month	-	9259/A3/2007
2	P.Esther Jebarani	Assistant Professor	5 Years-1 Month	-	-
3	G.Dhivya	Assistant Professor	2 Year 3 Months	-	-
4	J.Vineeth Nair	Assistant Professor	18 Years	5	-

2. Recognized Guides for M.Phil

S.No	Name of the Faculty	Specialization	Guide Recognition No.	No of Scholars	
				Pursuing	Completed
1	C.Senbagavalli	Data Mining and Warehousing	2974/A2/2009	-	-

3. Recognized Guides for Ph.D

S.No	Name of the Faculty	Specialization	Guide Recognition No.	No of Scholars	
				Pursuing	Completed
			NIL		

4. Awards / Recognition received by faculty

S.No	Date	Name of the Faculty	Award	Name of the Event	Name of the Agency/Institution
1		C.Senbagavalli	100% Result –Software Project Management, Web Programming, Cloud Computing	End Semester Examination – Autonomous	Kovai Kalaimagal College of Arts and Science
2		P.Esther Jebarani	100% Result – Data Structures, Software Testing, Software Project Management	End Semester Examination – Autonomous	Kovai Kalaimagal College of Arts and Science
3		G.Dhivya	100% Result –Digital Fundamentals and Algorithms, Microprocessor and ALP, Data	End Semester Examination – Autonomous	Kovai Kalaimagal College of Arts and Science

			Communication and Networks, Mobile and Wireless Technology		
4		J.Vineeth Nair	100% Result- Web Technology and its Applications, C Programming with problem solving Techniques, Computer Graphics, Operations on E-Wallet and information security	End Semester Examination – Autonomous	Kovai Kalaimagal College of Arts and Science

5. Faculty served as resource person

S.No	Date	Name of the Faculty	Name of the Programme	Venue
		NIL		

6. Publication of Books

S.No	Name of the Faculty	Title of the paper	Name of the Book	Month & Year	Publishers Name	ISBN/ISSN No
				NIL		

7. Publication in Journals

S.No	Name of the Faculty	Name of the Journal	Title of the Paper	Vol No.	Page No.	Month & Year	ISBN/ISSN No. Impact Factor
1	P.Esther Jebarani	International Journal of Advanced Science and Technology	Report on various diagnostic methods for Breast Cancer Detection	29	2843-2848	April 2020	ISSN: 2005-4238 IJAST
2		International Journal of Advanced Science and Technology	Dual Feed Microstrip Patch Antenna for X-Band Application	29	3506-3516	April 2020	ISSN: 2005-4238 IJAST

8. Presentation of Papers by Faculty in Seminar/Conference

S.No	Date	Name of the Faculty	Title of the paper	Venue
		NIL		

9. Participation by Faculty in Seminars / Conferences / Workshops / Training Programme

S.No	Date	Name of the Faculty	Name of the Programme	Venue
1	09/07/2020	Mrs.P.ESTHER JEBARANI	Webinar on “Discovering Azure”	Organized by Department of Computer Application, Muthayammal College of Arts & Science, Rasipuram
2	11/07/2020	Mrs.P.ESTHER JEBARANI	Webinar on “LTE- A Pro and Evaluation to 5G”	Organized by Department of Electronics and Communication Engineering, SCAD College of Engineering and Technology
3	14/10/2020 to 18/10/2020	Mrs.P.ESTHER JEBARANI	International Conference on AI, Robotics and Automation International Conference on Signals, Communication and Embedded Systems International Conference on Advances in Sensors, Energy, and Hybrid vehicles International Conference on Advances in IOT, High Performance and Edge Computing	Organized by ICT Academy

10. Faculty Development Programmes Attended

S.No	Date	Name of the Faculty	Name of the Programme	Resource Person	Venue
1	06-07- 2020-10- 07-2020	Mrs.P.ESTHER JEBARANI	Emerging trends in Ethical Hacking and Cyber Security		Department of Computer Science and Engineering, Hindusthan Institute of Technology

11. Major Research Projects Sanctioned

S.No	Month & year	Name of the Faculty	Title of the Project	Sponsoring Agency	Amount	Status
				NIL		

12. Minor Research Projects Sanctioned

S.No	Month & year	Name of the Faculty	Title of the Project	Sponsoring Agency	Amount	Status
				NIL		

13. Monographs by Faculty

S.No	Month & Year	Name of the Faculty	Title of the Paper
1	Nov-2020	C.Senbagavalli	Data Mining Using Neural Networks in the form of Classification Rules : A review
2	Nov-2020	P.Esther Jebarani	Internet Of Things (Iot): A Critical Review
3	Nov-2020	G.Dhivya	Data Mining: Predicting of Student Performance Using Classification Technique
4	Nov-2020	J.Vineeth Nair	Improving security by using a database management system for integrated statistical data analysis

14. Faculty Pursuing M.Phil

S.No	Name of the Faculty	Area of Research	Date of Registration
	NIL		

15. Faculty who completed M.Phil

S.No	Name of the Faculty	Area of Research	Month & and year of Completion
	NIL		

16. Faculty Pursuing Ph.D

S.No	Name of the Faculty	Area of Research	Date of Registration
1	P.Esther Jebarani	Image Processing	Oct 2018
2.	G.Dhivya	Data Mining and Warehouse	June 2020

17. Faculty who passed NET/SET Examinations

S.No	Name of the Faculty	Examination	Month and Year of Completions
		NIL	

Department Activities

1. Academic Calendar

S.No	Date	Event	Achievements
1	20.08.2020 to 08.09.2020	Value Added Course on “Block Chain” by Dr.G.Naveen Sundar, Associate Professor, Dept of ECE, Karunya Institute of Technology and Sciences, Coimbatore	Students were able to understand the concepts of Block Chain .
2	25.11.2020 to 15.12.2020	Job Oriented Course on “PHP with MySQL, Python, Android Programming” by Mr.C.Surendar, Technical head, Aakkam-KCS.	Students understood about php programming and solve the assessment easily after understanding this concepts.

2. Guest Lectures

	NIL
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3. Workshops

	NIL
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4.Value Based Programme

	NIL
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5.Extension Activities

	NIL
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6.Faculty Development Programme

	NIL
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7.Attitude development Programme

	NIL
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8. Industrial Visit

	NIL
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9.Value Added Courses

20.08.2020 to 08.09.2020	Value Added Course on “Block Chain” by Dr.G.Naveen Sundar, Associate Professor, Dept of ECE, Karunya Institute of Technology and Sciences, Coimbatore
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10. Job Oriented Course

25.11.2020 to 15.12.2020	Job Oriented Course on “PHP with MySQL, Python, Android Programming” by Mr.C.Surendar, Technical head, Aakkam-KCS.
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11 .Objectives of the Departments

- To make the students to have a thorough understanding of the basic concepts in the field of IT.
- To arrange for a number of seminars and guest lectures which would enhance the knowledge of students in the recent advances in the field of IT.
- To take the students to industries to make them have first hand knowledge on the application of the softwares.
- To train the students in the development of softwares for solving certain simple problems.
- To provide training for the development of softskills so as to make the students employable.

12.Difference between the courses available in the same department

Differences in the curricula of the courses B.Sc. CS, B.Sc. IT, and BCA

Eighteen core papers and two allied papers are common for B.Sc. CS, B.Sc. IT and BCA. The allied 3 and 4 and four skill based subjects and three elective papers are different for each department.

Common core papers are C Programming, Digital Fundamental and Architecture, C Programming Lab, COBOL , COBOL Programming Lab, Internet Lab, C++ Programming , C++ Lab, Data Structures, System Software and Operating System, JAVA Programming, JAVA Lab, RDBMS and ORACLE, Visual Programming with VC++, Visual programming and VC++ & Oracle Lab, Graphics and Multimedia, Graphics and Multimedia Lab, Project Lab.

Common Allied Papers are Mathematical Structures for Computer Science, Discrete Mathematics.

Allied three and four are common for B.Sc CS and BCA departments. The papers are Computer Based Optimization Techniques and Business Accounting.

Allied three and four for B.Sc Information Technology is Microprocessor and ALP and Embedded Systems.

List of skill based subjects

Courses	Skill Based Subject 1	Skill Based Subject 2	Skill Based Subject 3	Skill Based Subject 4	Skill Based Subject 5	Skill Based Subject 6
B.Sc. IT	Mathematics for Competitive Examinations -I	Mathematics for Competitive Examinations -II	Mathematics for Competitive Examinations -III	Communication Skills -I	Mathematics for Competitive Examinations -IV	Communication Skills -II

List of Elective papers for B.Sc. CS, B.Sc. IT and BCA

Courses		Elective I	Elective II	Elective III	Elective IV
B.Sc.CS	A	Data Mining and Warehousing	E-Commerce	Artificial Intelligence and Expert System	Compiler Design
	B	Mobile computing	Client server technology	Software Testing practical/Machine Learning practical	Android Operating System
	C	Embedded systems	Software Project Management	Enterprise Resource planning	Cloud Computing
B.Sc.IT	A	Data Mining and Warehousing	Web Technology and its Applications	Artificial Intelligence and Expert System	Compiler Design
	B	Software Engineering	Inter Networking with TCP/IP	Big Data Analytics	Mobile Operating System
	C	Cyber Security	Software Project Management	Mobile and Wireless Technology	Cloud Computing
BCA	A	Software Engineering	Embedded systems	Artificial Intelligence and Expert System	Compiler Design
	B	Data Mining and Warehousing	Client server technology	Mobile computing	Mobile Operating System
	C	Computer Graphics	Web Technology and its Applications	Cloud Computing	PHP & MYSQL

Students Profile

1.Student Strength

S.No.	No. of Boys	No. of Girls	Total
I B.Sc IT	2	10	12
II B.Sc IT	6	12	18
III B.Sc IT	19	10	29

2.Result Analysis

Class	No of Students Enrolled	Distinction	I Class	II Class	III Class	Percentage of Pass
B.Sc. IT	26	5	12	8	-	96

3.Percentage of Attendance (Odd and Even) - Average

S.No	Class	Attendance Percentage
1	III B.Sc IT	80.4
2	II B.Sc IT	79.8
3	I B.Sc IT	76

4.Percentage of Attendance (Odd and Even) - Average

S.No	Class	Male	Female	Total
1	III B.Sc IT	74	85	76
2	II B.Sc IT	78	80.6	79.8
3	I B.Sc IT	73.6	88	76

5.University Rank Holders

Class	Name of the Student	Rank
B.Sc.(IT)	INDHUMATHI C	I
	DURGA A	II
	MADHUSUDHANAN S	III
M.Sc.(IT)	Nil	

6.Community wise Students Strength

Class	Total Students	SC	ST	OBC	BC	MBC	DNC	Physically Challenged
I B.Sc IT	12	2	-	-	10	-	-	-
II B.Sc IT	16	1	-	-	13	1	1	-
III B.Sc IT	29	4	-	-	22	2	1	-

7.Management Scholarship

Academic Year 2020-2021	Class	Name of the Student	No. of Students Benefited	Amount (Rs)
	I B.Sc IT	M.Swetha Sri B.Vaishnavi N.Thiru Lingesh C.Santhoshsivan	4	36,000
	II B.Sc IT	R. Selvarajan Prince M. Karpagam C.Taniya Christopher	3	22,500
	III B.Sc IT	A.Durga C.Indhumathi	2	18000

8.Government Scholarship

Academic Year 2020-2021	Class	Name of the Student	No of Students Benefited	Amount (Rs)
			NIL	

9.Private Scholarship

Academic Year 2020-2021	Class	Name of the Student	No of Students Benefited	Amount (Rs)
NIL				

10.Placements&Internship

S.No	Class	Name of the Student	Name of the Company
1	III Bsc(IT)	R.Karthik	
2	III Bsc(IT)	S.Periyanyaki	

3	III Bsc(IT)	A.Durga	Shrewd Business Solutions
4	III Bsc(IT)	S.Madhusudhanan	
5	III Bsc(IT)	M.Vindhya	

11.Placement Training provided by the department

S.No.	Date	Class	Name of the	Resource Person
1	01.02.21 11.15 to 12.15	III B.Sc IT	Online Test	C.Senbagavalli
2	2.02.21 3.00 to 4.00	III B.Sc IT	Technical Training	P.Esther Jebarani
3	03.02.21 3.00 to 4.00	III B.Sc IT	Technical Training	P.Esther Jebarani
4	04.02.21 2.05 to 3.00	III B.Sc IT	Technical Training	C.Senbagavalli
5	05.02.21 3.00 to 3.50	III B.Sc IT	Training	P.Esther Jebarani
6	08.02.21 2.05 to 3.50	III B.Sc IT	Online Test	G.Dhivya
7	09.02.21 11.15 to 12.15 & 1.00 to 1.55	III B.Sc IT	Online Test	P.Esther Jebarani
8	10.02.21 11.15 to 12.15 & 1.00 to 1.55	III B.Sc IT	Reasoning Verbal & Non Verbal	G.Dhivya
9	11.02.21 2.00 to 3.00	III B.Sc IT	Technical Training	G.Dhivya
10	12.02.21 3.00 to 4.00	III B.Sc IT	Technical Training	G.Dhivya
11	15.02.21 11.05 to 12.00	III B.Sc IT	Online Test	J.Vineeth Nair
12	16.02.21 3.00 to 4.00	III B.Sc IT	Technical Training	J.Vineeth Nair
13	17.02.21 2.05 to 3.50	III B.Sc IT	Online Test	J.Vineeth Nair
14	18.02.21 11.15 to 12.15 & 1.00 to 2.00	III B.Sc IT	Technical Training	J.Vineeth Nair

12.Enrollment of Students

Enrollment from	Class	No of Students
Same State	I, II,III B.Sc IT	57
Other State	I, II,III B.Sc IT	NIL
NRI	I, II,III B.Sc IT	NIL
Foreign	I, II,III B.Sc IT	NIL

13.Drop Outs

Class	Total No of Students	No of Dropped Out Students During Academic Year	Percentage
I B.Sc IT	12	NIL	NIL
II B.Sc IT	18	2	11
III B.Sc IT	30	1	3

14.Students Pursuing M.Phil

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
		NIL			

15. Students Completed M.Phil

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
		NIL			

16. Students Pursuing Ph.D

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
		NIL			

17.Students Completed Ph.D

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
		NIL			

18.Presentation of Papers in Seminars/Conferences by Students

S.No	Date	Name of the Student	Title of Papers	Venue
		NIL		

19.Participation in Seminars / Conferences / Events by Students

S.No	Date	Name of the Student	Title of the Programme	Venue
1	9/2/2021	M.Swetha Sri	Webinar on “Machine Learning Algorithms for Healthcare”	Organized by Department of Computer Applications, Nandha Arts and Science College, Erode

20. Publication in Journals by Students

S.No.	Name of the Student	Title of the Paper	Name of the Journal	Vol No.	Page No.	Month & Year	ISBN/ISSN No Impact Factor
		NIL					

21.Students Achievements (both inside and outside the campus)

S.No	Date	Name of the Student	Prize	Event	Venue
		NIL			