Department of Computer Science

1. Faculty Profile

S.No	Name of the Faculty	Designation	Experience		Qualification Approval No
			College	**Industries**	
1.	D.Umanandhini	Assistant Professor&HOD	17Years-4 Months	Nil	15887/A3/2008
2	Mr P.Ponsekar	Assistant Professor	15 Years	Nil	7601/A2/2009
3.	Mrs.A.Nivedha	Assistant Professor	3Year 4 Months	Nil	
4.	J.Vineeth Nair	Assistant Professor	2 Year		-
5.	Mrs.S.Amutha	Assistant Professor	2Years6 Months	Nil	-
6.	Ms.DhanaSree	Assistant Professor	8 Months	Nil	-

2.Recognized Guides for M.Phil

S.No	Name of the Faculty	Specialization	Guide Recognition No.	No of Scholars	
				Pursuing	**Completed**
1.	D.Umanandhini	Data Mining	3925/A2/2009	-	-
2	Mr P.Ponsekar	Advanced Networking	7601 / A2 / 2009	1	-

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

		NIL			

5.Participation of the Faculty served as resource person in other Institution

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
1.	D.Umanandhini	Data Mining, Web Mining and Opinion Mining	Multidisciplinary Exploratory Research In Advanced Technologies	May 2022	IOT Academy	978-93-93622-21-1

7.Research Publication by the faculty in the 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
			NIL				

8. Research Publication by the faculty in the UGC care Journals /Scopus/Web of Science/Elsevier/IEEE

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
			NIL				

9. Presentation of Papers in Seminar/Conference by Faculty

S.No	Date	Name of the Faculty	Title of the paper	Venue
1	16.9.2021	D.UmaNandhini	International Conference on "Emerging Multi-Disciplinary Trends in Educational Research" Topic- Design and development of Hybrid CNN Algorithm For ASD Using data mining Techniques.	T.John College Affiliated to University Bangalore. Bangalore.

10. Participation by Faculty in Seminars / Conferences / Workshops / Training Programme/webinar

S.No	Date	Name of the Faculty	Name of the Programme	Venue
1	11.09.2021	D.Umanandhini A.Nivedha J.Vineeth Nair	Criterion IV- Infrastructure and Learning Resources **Resource Person:** Dr.S.N.Suresh, Dean, School of Science & IQAC Co-ordinator, Rathinam College College of Arts and Science, Coimbatore.	KKCAS
2	16.09.2021	D.Umanandhini A.Nivedha J.Vineeth Nair	Inaugural and MoU signing of CANNY- Consortium of Colleges **Resource person:** Dr. Panchantham Natarajan - Vice-Chancellor - Tamil Nadu Teachers Education University,	Online G-meet by Nehru Arts and science college

			Chennai	
3	12.10.2021	D.Umanandhini	National Level Workshop "Data Analytics using R"	PSGR Krishnammal College for Women
4	12.10.2021	A.Nivedha	National Level Workshop "Data Analytics using R"	PSGR Krishnammal College for Women
5	12.10,2021 TO 16.10.2021	D.Umanandhini	4 Day Workshop Research & Innovation: A Pathway to Success"	Pratibha College of Commerce & Computer Studies, Chinchwad, Pune
6	10.11.2021	Mrs.D.Umanandhini Mrs.A.Nivedha J.Vineeth Nair	Dynamic website creation using Python/Flask/My SQL	Google Meet
7	23.11.2021	Mrs.D.Umanandhini Mrs.A.Nivedha J.Vineeth Nair	"Self Exposure in Real Tech Battle"	Google Meet
8	9.12.21 & 10.12.21	Mrs.D.Umanandhini Mrs.A.Nivedha	Intellectual Property Rights and smart ways for writing a successful Research Grant Proposal(Webinar)	Karpagam College of Engineering
9	15.12.21	Mrs.D.Umanandhini Mrs.A.Nivedha	Research article writing & publishing with citation(workshop)	PSGR Krishnammal College for Women
10	28.01.2022	Mrs.A.Nivetha	National Webinar on "Inequalities and Social relationship in the age of covid-19 pandemic and beyond"	Erode Arts and Science College(ONLINE)

11.Faculty Development Programmes Attended

S.No	Date	Name of the Faculty	Name of the Programme	Resource Person	Venue
1	8.07.2021, 9.07.2021 & 10.07.2021	D.Umanandhini A.Nivedha	"The art of Living"	Dr.S.Sivakumar, Art of Living	Through Zoom
2	31.7.2021	D.Umanandhini A.Nivedha	Revised NAAC Framework 2020-An Overview	Dr.S.V.Suresh Dean School of Science&IQAC Cooridnator,Rathinam College of atrs and science,Coimbatore	Through G- suit
3	5.8.2021	D.Umanandhini A.Nivedha J.Vineeth Nair	Revised NAAC Framework - Criteria 2	Dr.S.N.Suresh, Dean , School of Science & IQAC Co-ordinator, Rathinam College of Arts and Science.	KKCAS

4	19.8.2021	D.Umanandhini A.Nivedha J.Vineeth Nair	Revised NAAC Framework - Criteria 3	Dr.S.N.Suresh, Dean , School of Science & IQAC Co-ordinator, Rathinam College of Arts and Science.	KKCAS
5	23-9-2021-25.9.2021	D.Umanandhini & A.Nivedha	National Level STTP on Quality Enhancement Of Research in HELs under UGC PARAMARSH	Prof.Sanjay K.Sharma Dean Research ,JECRC University, Jaipur/Green Chemistry Series Editor Springer's, UK	PSGR Krishnammal College for Women, Coimbatore.
6	27.09.2021	D.Umanandhini	An Exemplary Walkthrough on Academic Research	Dr.M.Nagarajan. Principal KSG College of Arts and Science	Sri Ramakrishna college of arts and science for women, Coimbatore.
7	07.10.2021 to 08.10.2021	D.Umanandhini	Two Day National Level Faculty Development Program On "Introduction to Research Proposals to Publications"	Mrs..Malini Jain,Assistnt Professor.	Agurchand Manmull Jain College (A unit of Shri.S.S.Jain Educational Society) Meenambakkam, Chennai-600114
8	29.11.21 to 08.12.21	Mrs.D.Umanand hini .Mrs.A.Nivedha	Cloud Computing	Dr.J.Lekha	Sri Krishna Arts and Science College
9	23.12.21 & 24.12.21	Mrs.D.Umanand hini Mrs.A.Nivedha	Open Source Tools for Cyber Security	Dr.N.Balaji & Mr.Gunesh	Karpagam College of Engineering
10	27.12.21 to 31.12.21	Mrs.D.Umanand hini Mrs.A.Nivedha	Developing Potential in Emerging Technologies	Mr.Senthil Vijayakumar	Sree Ramakrishna College of Arts and Science
11	14-2-2022 To 21-2-2022	D.Umanandhini	National level Virtual FDP NAAC Revised Accreditation Framework	Day-1 Mrs BalaVijalashmi PSGkrishnamal collge Day-2 Dr.Horne Iona	Google Meet

					Averal Dean of Science Holy Cross College <u>Day-3</u> Dr.N.Arun Nagendran IQAC Coordinator Madurai. <u>Day-4</u> Dr.M.P.Ayyappa Das RVS College of arts and science <u>Day-5</u> Dr.V.Venkata Krishna Vasavi college of Engineering. <u>Day-6</u> Dr.Deepak Jaroliya Prestige Institutes of Management and research Indore. <u>Day-7</u> Mrs BalaVijalashmi PSGkrishnamal college	
12	24-02-2022 to 03-03-2022.	D.Umanandhini	"Cyber Forensics and Information Security"	Dwaraka Doss Goverdhan Doss Vaishnav College Chennai – 600 106.	Google Meet
13	24-02-2022 to 03-03-2022.	A.Nivedha	"Cyber Forensics and Information Security"	Dwaraka Doss Goverdhan Doss Vaishnav College Chennai – 600 106.	Google Meet
14	31/01/22 to 05/02/22	D.Umanandhini A.Nivedha	Role of Psychology in Teaching and Learning	Pioneer College of arts and science Coimbatore	Online-Google Meet(Pioneer College)

12. Number of extension and outreach programs conducted in collaboration with industry, Community and Non- Government Organizations

S.No	Date	Name of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activities	Awards (If Any)
			nil			

13. Teachers use ICT enabled tools including online resources for effective teaching and learning process

S.No	Date	Name of Faculty	Class with Strength	Activities (Quiz, Paper	Name of the ICT Tool (Google Classroom/

				Presentation, Debugging Role play, GD, Subject Teaching ,etc)	Google Forms, Hot potato, Kahoot,etc.,)
		Nil			

14.E-content developed by teachers

S.No	Date	Name of the teacher	Name of the Subject	Topic
1	-	A.Nivedha	C++	Control Structure

15. 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

S.No	Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
1	Bridge courses	30.9.2021 to 09.10.2021	30	Computer science

16. Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

S.No	Name of the Participant	Title of the professional development programme/ administrative training programme organised	Dates		No.of participants (Teaching staff)	No.of participant (Non-teaching staff)
			From	To		
		Nil				

17. MoUs /Membership signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year.

S.No	Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
	-	-	-	-

18.. Activities related to training and consultancy

S.No	Date	Name of the Activity /Programme	Participants	Venue
1		NIL		

19..Major Research Projects Sanctioned

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

20.Minor Research Projects Sanctioned

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

21.Monographs by Faculty

S.No	Month & Year	Name of the Faculty	Title of the Paper
		Nil	

22.Faculty Pursuing M.Phil

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

23.Faculty who completed M.Phil

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

24.Faculty Pursuing Ph.D

S.No	Name of the Faculty	Area of Research	Date of Registration
1.	Mrs.D.Umanandhini	Data Mining	July 2016
2.	Mr.P.Ponsekar	Advanced Networking	July 2019

25.Faculty Completed Ph.D

S.No	Name of the Faculty	Area of Research	Date of Registration
1	V.Deepa	Image processing	July 2012

26.Faculty who passed NET/SET Examinations

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

27. Number of extension and outreach programs conducted in collaboration with industry, Community and Non- Government Organizations

S.No	Date	Name of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activities	Awards (If Any)
			NIL			

28. Teachers use ICT enabled tools including online resources for effective teaching and learning process

S.No	Name of Faculty	Class with Strength	Activities (Quiz, Paper Presentation, Debugging Role play, GD, Subject Teaching ,etc)	Name of the ICT Tool (Google Classroom/ Google Forms, Hot potato, Kahoot,etc.,)
1	Mr P.Ponsekar	2	**Role play**	**Google Classroom**
2	Mrs.A.Nivedha	20	**GD**	**Google Classroom**
3	J.Vineeth Nair	17	**Subject Teaching**	**Google Classroom**
4	Mrs.S.Amutha	26	**Subject Teaching**	**Google Classroom**
5	Ms.DhanaSree	7	**Subject Teaching**	**Google Classroom**

29. Activities related to experiential learning, participative and problem solving methodologies are used for enhancing learning experience.

S.No	Date	Class	Name of the Activity /Programme	Participants	Venue
	-	-	-	-	

30. Activities related to Tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and diversity

S. No	Date	Class	Name of the Activity /Programme	Participants	Venue

	-	-	-		-	

31. Activities related to constitutional obligations like values, rights, duties and responsibilities of citizens

S.No	Date	Class	Name of the Activity /Programme	Participants	Venue
1					

32. E-content developed by teachers

S.No	Date	Name of the teacher	Name of the Subject	Topic
	-	-	-	-

Department Activities

1. **Academic Calendar**

S.No	Date	Event	Achievements
1	30.09.2021	Bridge courses	Value Added Course on Bridge in Computer Science was attended by the students and faculty members of the Department of Computer Science. The students enthusiastically participated in session. Knowing computer, Making Small Presentation , Understanding Word Processing, Communications and collaboration
2	08.10.2021	Fresher's Day	-
3	11.10.2021	Skill Development Programme on Deep Learning	Students familiar with regression methods, classification methods, clustering methods Students identify machine learning techniques suitable for a given problem.
4	13.10.2021	Ayutha Pooja Celebration	-
5	27.12.2021	Inauguration of Science Stream Association and Seminar on "Recent Technological Challenges"	Students understand the application areas of IOT *Able to realize the revolution of Internet in Mobile Devices, Cloud& Sensor Networks• Students able to understand building blocks of Internet of Things and characteristics.
6	10.03.2022 To 12.03.2022	Industrial Visit	-
7	20.04.2022	Farewell Party	-
8	21.02.2022 To 25.02.2022	Certificate Course on Python Programming	Students were able to know and understand the concepts of and advantages of using Python programming

2. Guest Lectures

	NIL

3.CSR Activities:

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

4. Workshops

S.No.	Date	Name of the Program	Resource Person	
1	21.02.2022 To 25.02.2022	Certificate Course on Python Programming	Mr.M.Narenthiran Sprout Solution Private limited Coimbatore.	

5..Skilled Programme

S.No.	Date	Name of the Program	Resource Person
1	11.10.2021	Skill Development Programme on Deep Learning	Mr.S.Deepan,Al Developer, Novi tech india Pvt.Ltd, Coimbatore.

6.Value Based Programme

S.No.	Name of the Program
	NIL

7Job oriented /Value Added Course offered

S.No.	Name of the Program	Student Count
1	**Spoken Tutorial**	25
2	**coursera**	1

8.Extension Activities

S.No.	Name of the Program
	NIL

9.Faculty Development Programme

Date	Topics and	Resource Person
	NIL	

10. **MoUs /Membership signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year.**

S.No	Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
	-	-	-	-

11. Activities related to training and consultancy

S.No	Date	Name of the Activity /Programme	Participants	Venue

12. Activities related capacity development and skills enhancement activities, organized for improving students capacity.

S.No	Date	Class	Name of the Activity /Programme (Soft skills, Language and \	Participants	Venue

			Communication skills, Life Skills and Awareness of trends in technology)		
			NIL		

13. Activities related to experiential learning, participative and problem solving methodologies are used for enhancing learning experience.

S.No	Date	Class	Name of the Activity /Programme	Participants	Venue
	-	-	-	-	

14. Activities related to Tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and diversity

S.No	Date	Class	Name of the Activity /Programme	Participants	Venue
	-	-	-	-	

15. Activities related to constitutional obligations like values, rights, duties and responsibilities of citizens

S.No	Date	Class	Name of the Activity /Programme	Participants	Venue

16.Objectives of the Departments

> ➢ To make the students to have a thorough understanding of the basic concepts in the field of Computer Science.
>
> ➢ To arrange for a number of seminars and guest lecturers which would enhance the knowledge of students in the recent advances in the field of Computer Science.
>
> ➢ To train the students in the development of software's for solving certain simple problems.
>
> ➢ To provide training for the development of soft skills so as to make the students employable.

Students Profile

1.Student Strength

S.No.	No. of Boys	No. of Girls	Total
II M.Sc CS	2	-	2
I M.Sc CS	3	4	7
I B.Sc CS	10	9	19
II B.Sc CS	19	9	28
III B.Sc CS	11	19	30

2. Result Analysis

Class	No of Students Enrolled	Distinction	I Class	II Class	III Class	Percentage of pass
B.Sc CS	25	5	10	8	7	97%
M.Sc CS	2	-	2	-	-	100%

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

S.No	Class	Attendance Percentage
1.	III B.Sc CS	89%
2.	II B.Sc CS	88%
3.	I B.Sc CS	90%
4.	I M.Sc CS	90%
5.	II M.Sc CS	100%

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

S.No	Class	Male	Female	Total
1.	III B.Sc CS	10	15	28
2.	II B.Sc CS	8	18	30
3.	I B.Sc CS	10	07	19
4.	II M.Sc CS	2	-	2
5.	I M.Sc CS	4	3	7

5.Autonomous Rank Holders

Class	Name of the Student	Rank
III B.Sc CS	Sri Lavanya.S	I Rank

6.Community wise Students Strength

Class	Total Students	SC/ ST	OC	OBC	BC	MBC	Physically Challenged
I M.Sc CS	7	-	-	-	6	1	-
II M.Sc CS	2	-	-	-	2	-	-
I B.Sc CS	19	5	-	-	9	5	-
II B.Sc CS	28	2	2	-	15	9	-
III B.Sc CS	30	6	-	-	16	8	-

7.Management Scholarship

Class	Name of the Student	No. of Students Benefited	Amount (Rs)
I B.SC	Brindha.S	1	9000

8. Government Scholarship

Class	Name of the Student	No of Students Benefited	Amount (Rs)
	NIl		

9.Private Scholarship

Academic Year	Class	Name of the Student	No of Students Benefited	Amount (Rs)
	Nil			

10.Enrollment of Students

Enrollment from	Class	No of Students
Same State	I M.Sc CS, II M.Sc CS I, II,III B.Sc CS	86
Other State	I M.Sc CS, I, II,III B.Sc CS	-
NRI	I M.Sc CS, I, II,III B.Sc CS	-
Foreign	I M.Sc CS, I, II,III B.Sc CS	-

11.Drop Outs

Class	Total No of Students	No of Dropped Out Students During Academic Year	Percentage
II M.Sc CS	-	-	-
I M.Sc CS	-	-	-
I B.Sc CS	-	-	-
II B.Sc CS	1	2021-2022	3.5
III B.Sc CS	-	-	-

12.Students Pursuing M.Phil

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
1.	Computer Science	Monoj kumar.S	Networking	Nov 2020	Mr.P.Ponsekar

13. Students Completed M.Phil

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

14. Students Pursuing Ph.D

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
1.	Computer Science	Mr.P. Ponsekar	Advanced Networking	July-2019	Dr. M. Sengaliappan
2	Computer Science	Mr.B.Karthikeyan	Data Mining	July-2019	Dr. M. Sengaliappan
3	Computer Science	Ms.T.Kavipriya	Data Mining	July-2019	Dr. M. Sengaliappan

15.Students Completed Ph.D

S.No	Department	Name of the Scholar	Area of the Research	Month & Year of Registration	Name of the Guide
1.	**Computer Science**	Mrs.V.Deepa	Digital Image Processing	July-2019	Dr. M. Sengaliappan

16. Presentation of Papers in Seminars/Conferences by Students

S.No	Date	Name of the Student	Title of Papers	Venue
1	30.09.2021	Muthu Karupaya.P Ajith.A.G Bhuvaneswari.N Yogaeswari.P	DROLE Technology	Industrial/Field Visit

17. Participation of Papers in Seminars/Conferences /Webinar by Students

S.No	Date	Name of the Student	Title of Papers	Venue
1	17/02/22	All III B.Sc (CS) students	Webinar-Data Science	Online Google Meet(KKCAS)
2	28/02/22	All I,II, III BSc(CS) students	National level Quiz	PSG College of Arts & Science (online Google Form)

18. 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						

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

S.No	Date	Name of the Student	Event	Prize	Venue
1	13.12.2022	M.Devika V.K.Mukilan	Bharathi Vizha	Third Prize	KKCAS
2	22.12.2022	Olivia Ravikumar	Competition of remembrance of Birth Anniversary of Srinivasa ramanujam - MATH CONECTION	First prize	KKCAS
3	22.12.2022	L.Gishnu S.MohanRaj	Competition of remembrance of Birth Anniversary of Srinivasa ramanujam - MATH CONECTION	Second prize	KKCAS
4	22.12.2022	C.Bhuvaneshwari J.Harini	Competition of remembrance of Birth Anniversary of Srinivasa ramanujam - MATH SKETCHING	Second prize	KKCAS
5	13.04.2022	B.Immanuel paul daniel(I-BSC-)	Annual Day	Proficiency Prize for Class First	KKCAS
6	13.04.2022	N.Bhuvaneshwari (II-BSC-CS)	Annual Day	Proficiency Prize for Tamil	KKCAS
7	13.04.2-22	Sri Lavanya (III-BSC-CS)	Annual Day	Proficiency Prize for Class First	KKCAS
8.	01-05-2022	Gopinath C S I.B.SC CS	Goju Rju Okinawakan	First prize	Youth Hostel Auditorium,

		Karate Do -8 th tamilnadu Statelevel Invitational Open Karate Championship		Adyar ,Chennai

20. Online Certification Courses Completed

S.No	Name of the Student	Class	Duration		Venue
		-	From	To	
1	V.K.Mukilan	III CS	26.11.21	30.11.21	Udemy(Master Computers)
2	All Students(25)	III CS	7.1.2022	7.1.2022	Microsoft Team

21. Student Project/Field Visit/Internship Completed

S.No	Name of the Student	Class	Duration		Venue
		-	From	To	
1	All Students(25)	III CS	Jan-2022	May-2022	KKCAS
2	**Internship** Smart Cliff	III CS (5 Students)	Dec-2022	May-2022	Krishna colony Udayampalyam Coimbatore

22. Students Achievements (On/Off campus) Placement

S.No	Date	Name of the Student	Drive	Company	Packages
1	17.12.2021	Abraham Charles Samuel K Ajithambika M Clinton Amose J Deva Gowtham D Kowsalya D Nagamani D	ON Campus	VI Capital	Income- Rs.2,40,000
2	05.01.2022	Abraham Charles Samuel K Agalya K Ajithambika M Clinton Amose J Deva Gowtham D B.Divya Kowsalya D Nagamani D K.Sabitha S.Srilavanya	ON Campus	HRH Next Contact Services	Income- Rs.1,68,000
3	03.01.2022	Agalya K Ajithambika M Deva Gowtham D M.Devika B.Divya V.Karthika Kavipriya B	ON Campus	SURETI IMF Private Ltd	Income- Rs.2,88,000

		Kowsalya D Lokitha M.S Nagamani D K.Sabitha B.Sathish Babu S.Srilavanya			
4	29.12.2021	D.Devagowtham M.Devika B.Divya R.Gokilavani K.Jeevitha V.Karthika D.Kowsalya V.K.Mukilan D.Nagamani K.Sabitha B.Sathish Babu M.Sridharan S.Srilavanya S.Narendra Prasanth		Kumaran Thangamaligai	Income- Rs.2,52,000